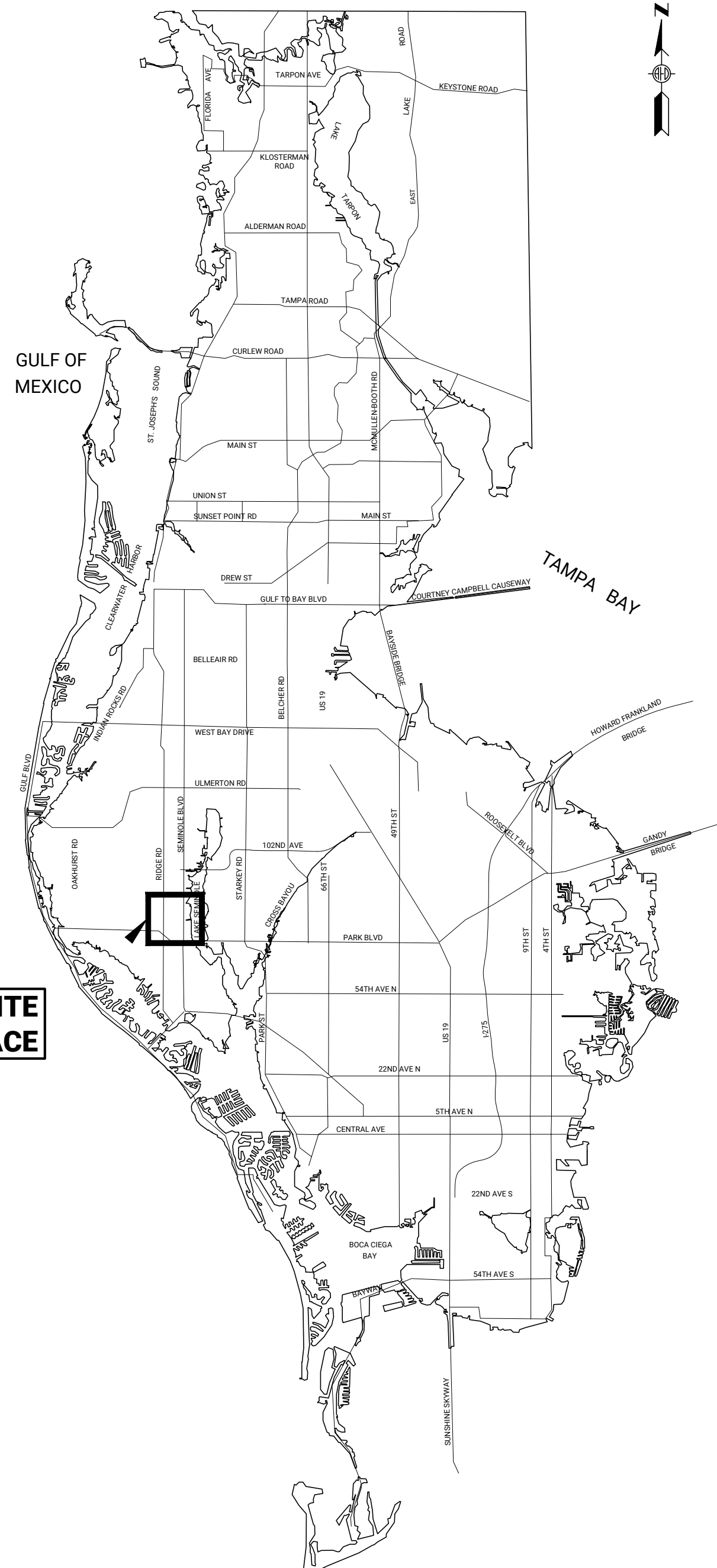


CONSTRUCTION PLANS FOR:
FY24 STORMWATER IMPROVEMENTS

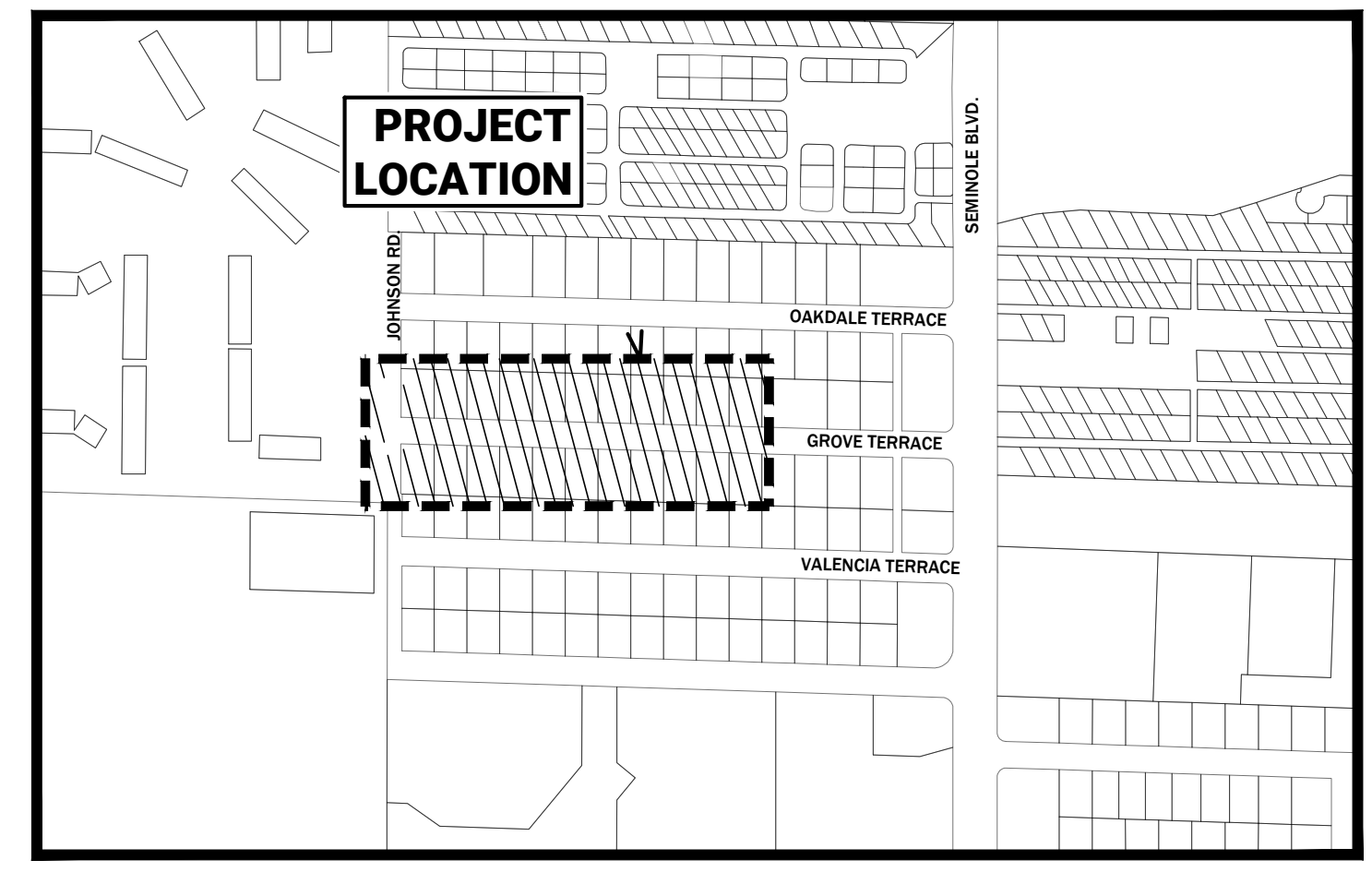
SECTION 27 & 34, TOWNSHIP 30S, RANGE 15E



**PROJECT SITE
GROVE TERRACE**

VICINITY MAP
N.T.S.

 INVESTIGATE BEFORE YOU EXCAVATE
CALL LOCAL PUBLIC UTILITY NOTIFICATION CENTER
 TOLL FREE
 1-800-432-4770
 MIN. 48 HOURS BEFORE YOU EXCAVATE



LOCATION MAP (GROVE TERRACE)
N.T.S.

DRAWING INDEX	
C1	COVER SHEET
C2	GENERAL NOTES & LEGENDS
C3	KEY MAP & CONTROL PLAN
C4	BASIN MAP
C5	DEMOLITION & EROSION CONTROL
C6-C7	PLAN & PROFILE (GROVE TERRACE)
C8-C10	SECTIONS (GROVE TERRACE)
C11	GENERAL DETAILS

CONSTRUCTION PLANS

PREPARED FOR:

CITY OF SEMINOLE

9199 113TH ST SEMINOLE, FL 33772



Prepared By:



US&R: n:\torre] or : [01. 202] Time: [11:30pm -file Location: [\\Public\Seminoles\24\SEM-29 (-724 S- rm)\Cadd\Current\SEM-29_Cover.dwg]

GENERAL NOTES:

- ANY PROPERTY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF ANY ARE DISTURBED, CONTRACTOR SHALL BE RESPONSIBLE FOR RESETING.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE BEEN INSTALLED AND CONSTRUCTED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK (WHETHER OR NOT SHOWN ON THE PLANS).
- ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER NONDESTRUCTIVE INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED.
- FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND/OR GRADE DEVIATIONS FROM THOSE WHICH ARE INDICATED ON THE PLANS. ANY DEVIATIONS OR ADJUSTMENTS SHALL FIRST BE APPROVED BY THE ENGINEER BEFORE BEING PERFORMED.
- THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 1-800-432-4770.
- CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH THE PLANS, U.S. DEPARTMENT OF TRANSPORTATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "ROADWAY AND TRAFFIC DESIGN STANDARDS" (ALL LATEST EDITIONS). CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL HAVE THE M.O.T. PLAN APPROVED AT LEAST 48 HOURS PRIOR TO THE START OF WORK. THE M.O.T. SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR AN INDIVIDUAL WHO HAS COMPLETED ADVANCED M.O.T. TRAINING. THE M.O.T. PLAN SHALL SHOW ALL HAUL ROUTES, EMERGENCY EXITS AND RESIDENT ACCESS DURING EACH PHASE OF CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW WORDINGS OF ALL SIGNAGE. EXISTING TRAVELWAYS SHALL BE KEPT OPEN TO TWO-WAY TRAFFIC FOR THE DURATION OF THE PROJECT, EXCEPT ONE LANE OF TRAFFIC WILL BE PERMITTED PROVIDED FLAGMEN ARE USED. THE CONTRACTOR WILL NOT BE PERMITTED TO CLOSE ACCESS TO RESIDENCES OR PLACES OF BUSINESS. PROVISIONS WILL BE MADE TO PROVIDE ACCESS TO CONSTRUCTION VEHICLES FOR PICK-UP AND DELIVERY OF MATERIALS DURING THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL MAINTAIN A SET OF PLANS WITH CURRENT FIELD CHANGES MARKED. A COMPLETED SET OF "AS-BUILT" PLANS SHALL BE SUBMITTED TO THE CITY PER REQUIREMENTS OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.
- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY SURVEY WORK INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION STAKEOUT & RECORD DRAWING PREPARATION.
- ALL ROADWAYS AND OPEN RIGHT-OF-WAY AREAS MUST BE CLEANED OF DIRT, DEBRIS AND CONSTRUCTION MATERIALS BY THE END OF EACH WORK SHIFT. ALL CONSTRUCTION AREAS MUST BE SAFELY DELINEATED TO AVOID ACCIDENTS WHILE THE CONTRACTOR IS NOT PRESENT. OVERALL CLEAN UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH CITY STANDARDS AND THE SPECIFICATIONS OR AS DIRECTED BY THE CITY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.
- THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING. NO PAYMENT SHALL BE MADE FOR THIS WORK.
- ANY AND ALL CONSTRUCTION MATERIALS, METHODS AND INSTALLATION SHALL BE IN FULL COMPLIANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL EMERGENCY VEHICLES TO RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES.
- CONTRACTOR SHALL REMOVE AND RESET ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH PROPOSED CONSTRUCTION. RESET LOCATIONS SHALL BE APPROVED BY THE CITY.
- THE CONTRACTOR SHALL FULLY RESTORE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.
- EXISTING CONCRETE CURB WHICH IS DISTURBED SHALL BE REPLACED IN-KIND.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING AND SHORING (PROPRIETARY & NON-PROPRIETARY) AS NECESSARY. DEWATERING SHALL BE UTILIZED AS REQUIRED TO KEEP TRENCHES AND EXCAVATIONS DRY THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE GENERAL PUBLIC'S SAFETY WHEN CONSTRUCTION EXCAVATIONS ARE LEFT UNATTENDED. EXCAVATIONS SHALL HAVE TEMPORARY SAFETY FENCING PLACED AROUND THE PERIMETER OF THE EXCAVATION. EXCAVATION PROTECTION MEASURES SHALL BE COMPLETED PRIOR TO CONSTRUCTION PERSONNEL LEAVING THE SITE THROUGHOUT THE DURATION OF CONSTRUCTION.
- ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "FLORIDA TRENCH SAFETY ACT". THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH ALL OSHA REGULATIONS.
- ALL VALVE BOXES, MANHOLE FRAMES, CLEAN-OUTS, IRRIGATION BOXES, ETC. SHALL BE ADJUSTED TO MATCH FINISHED GRADES. FOR MANHOLE FRAME ADJUSTMENTS, UTILIZE CONCRETE ADJUSTMENT RINGS AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE OR PERFORM TEMPORARY SUPPORT ACTIVITIES FOR UTILITY POLES AS NEEDED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A HURRICANE PREPARATION PLAN TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- THE CITY WILL ONLY PERMIT THE USE OF SELECT FILL WHEN FILL IS IMPORTED TO ACHIEVE THE PROPOSED GRADES. SELECT FILL SHALL BE CLASSIFIED AS A-1 OR A-3 SOILS PER AASHTO M 145. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION ON THE CLEAN FILL MATERIAL AS A SHOP DRAWING.
- SELECT FILL IN SOD AREAS SHALL CONTAIN AMPLE ORGANIC MATTER (<2.5%) TO FACILITATE GROUND COVER GROWTH. ORGANIC CONTENT SHALL NOT EXCEED 5% (MAX.).
- ANY TEMPORARY FENCING USED SHALL BE INSTALLED AND REMOVED AT THE CONTRACTOR'S EXPENSE.

27. THE CONTRACTOR SHALL PROTECT EXISTING MAILBOXES DURING CONSTRUCTION. IN THE EVENT THAT A RESIDENT'S MAILBOX NEEDS TO BE TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PROVIDE A MEANS FOR RESIDENTS TO RECEIVE MAIL DURING THE COURSE OF CONSTRUCTION ACTIVITIES AND RESET THE MAILBOX AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED IN THE IMMEDIATE AREA.

EROSION & SEDIMENT CONTROL/DEWATERING:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE WHATEVER MEANS NECESSARY TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE WATERS & DRAINS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS AS SHOWN ON THE PLANS OR AS DIRECTED IN THE FIELD. TO PREVENT SILT EROSION DUE TO CONSTRUCTION ACTIVITIES. THESE DEVICES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTED METHOD.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRODUCE A "STORMWATER POLLUTION PREVENTION PLAN" (SWPPP) AND OBTAIN COVERAGE UNDER A "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) PERMIT BEFORE CONSTRUCTION PROCEEDS. A "NOTICE OF INTENT" (NOI) FORM SHALL BE COMPLETED AND SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). A COPY OF THE SUBMITTED SWPPP AND NOI SHALL BE PROVIDED TO THE CITY PRIOR TO THE NOTICE OF COMMENCEMENT. FOR MORE INFORMATION, CONTACT 850-245-7520 OR VISIT THE FOLLOWING WEB SITE: www.dep.fl.us/water/stormwater/npdes/index.htm.
- THE CONTRACTOR SHALL PLACE SILT FENCING AROUND THE PERIMETER OF ALL STAGING & MATERIAL STORAGE AREAS.
- DURING CONSTRUCTION, NEW INLETS SHALL HAVE INLET PROTECTION DEVICES INSTALLED UNTIL CONSTRUCTION IS COMPLETE.
- THE CONTRACTOR SHALL INCORPORATE WASHDOWN AREAS OR SOIL TRACKING SYSTEMS INTO THE EROSION CONTROL PLAN IN AN EFFORT TO KEEP SEDIMENT OFF OF PUBLIC ROADWAYS. SOIL TRACKING SYSTEMS SHALL USE FDOT SIZE #1 AGGREGATE AND BE A MINIMUM OF 4" THICK.
- SEDIMENT SHALL BE REMOVED FROM VEHICLE USE AREAS ON A DAILY BASIS.
- ANY DEWATERING ACTIVITY THAT DISCHARGES PRODUCED GROUNDWATER TO WATERS OF THE STATE OR ANY MS4 SHALL BE PERMITTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR WILL BE RESPONSIBLE FOR GROUNDWATER TESTING, THE PREPARATION OF A GROUNDWATER REMEDIATION PLAN FOR DEWATERING FLOWS, PERMITTING OF THIS PLAN THROUGH THE FDEP AND IMPLEMENTATION OF THIS PLAN. PLEASE REFERENCE THE SPECIFICATIONS TO VIEW GROUNDWATER TESTING RESULTS. IT SHALL BE NOTED THAT ADDITIONAL PAYMENT WILL NOT BE PROVIDED IN THE EVENT CONCENTRATIONS IDENTIFIED IN THE SPECIFICATIONS ARE LESS THAN THE CONCENTRATIONS OBSERVED IN THE FIELD.
- PRIOR TO THE NOTICE TO PROCEED, THE CONTRACTOR SHALL COMPLETE ILLICIT DISCHARGE TRAINING. THIS IS A NEW STATEWIDE REQUIREMENT. AT LEAST ONE PERSON WHO HAS RECEIVED THE TRAINING MUST BE PRESENT AT THE CONSTRUCTION SITE. THERE ARE A FEW OPTIONS TO RECEIVE THE TRAINING:
 - THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IS CREATING AN ONLINE ILLICIT DISCHARGE TRAINING PROGRAM. IF THIS COURSE HAS BEEN COMPLETED, PLEASE PROVIDE THE CERTIFICATION NUMBERS OF THE APPLICABLE PERSONNEL.
 - OTHER MUNICIPALITIES IN FLORIDA HAVE THE SAME REQUIREMENT. PROVIDE EVIDENCE THAT APPLICABLE PERSONNEL HAVE RECEIVED TRAINING THROUGH ANOTHER MUNICIPALITY OR SOURCE.

PAVING & GRADING NOTES:

- ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS, ETC.) SHALL BE EXCAVATED AND REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- CRUSHED CONCRETE SHALL MEET FDOT GRADATION AND MATERIAL COMPOSITION REQUIREMENTS.
- THE CONTRACTOR SHALL RESTORE THE ROADWAY TO THE PRE-CONSTRUCTION ELEVATIONS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL SAW CUT THE EXISTING ASPHALT DRIVEWAYS TO BE REMOVED IN LOCATIONS WHERE CONCRETE DRIVEWAYS ARE PROPOSED. SAW CUTS SHALL BE CLEAN AND STRAIGHT.
- THE CONTRACTOR SHALL SAW CUT THE EXISTING ASPHALT ROADWAY IN AREAS WHERE PROPOSED STORMWATER PIPING IS CROSSING THE ROADWAY. SAW CUTS SHALL BE CLEAN AND STRAIGHT. THE CONTRACTOR SHALL USE SHEETING/SHORING/TRENCH PROTECTION MEASURES AS NEEDED TO ENSURE LIMITS OF ROADWAY RESTORATION ARE NOT INCREASED.
- THE CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- ALL PROPOSED ELEVATIONS REPRESENT FINISHED GRADE AFTER SOD REPLACEMENT

STORMWATER BYPASS

- THE CONTRACTOR SHALL PREPARE AND SUBMIT (FOR CITY APPROVAL) A STORMWATER BYPASS PLAN DEPICTING HOW STORMWATER FLOWS WILL BE MANAGED DURING CONSTRUCTION. THE PLAN SHALL INCLUDE CONTINGENT PROVISIONS IN THE EVENT STORM FLOWS EXCEED THE CAPACITY OF THE BYPASS SYSTEM. UNOBSTRUCTED FLOW THROUGH THE EXISTING AND/OR PROPOSED STORMWATER SYSTEMS WILL LIKELY BE NEEDED DURING MORE SIGNIFICANT STORM EVENTS.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMISSIONS TO PLACE BYPASS PUMPS AND ASSOCIATED EQUIPMENT ON PRIVATE PROPERTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND REMOVAL OF ALL TEMPORARY STRUCTURES ASSOCIATED WITH STORMWATER BYPASS AND OTHER CONSTRUCTION ACTIVITIES.

DRAINAGE NOTES:

- ALL STRUCTURE DIMENSIONS LISTED ARE INTERNAL DIMENSIONS. NO PRECAST STRUCTURES SHALL BE ORDERED UNTIL THE DESIGN ENGINEER HAS REVIEWED AND APPROVED SHOP DRAWINGS SUBMITTED BY THE CONTRACTOR.
- ALL PIPES SHALL HAVE ALL JOINTS WRAPPED WITH A FILTER FABRIC JACKET PER FDOT INDEX 430-001.
- CONTRACTOR SHALL MODIFY AND FULLY RESTORE EXISTING CATCH BASINS AND INLETS AS REQUIRED FOR THE INSTALLATION AND / OR REMOVAL OF STORM PIPE. THIS SHALL INCLUDE THE REMOVAL OF EXISTING PIPING, SAWING, CORING, WALL REPAIRS AND FLOW CHANNEL/BENCH RESTORATION. CONTRACTOR SHALL USE CAUTION SO AS NOT TO DAMAGE EXISTING STRUCTURES.

- THE CONTRACTOR SHALL FIELD CONFIRM EXISTING STORMWATER PIPE INVERTS WHERE AN EXISTING PIPE IS PROPOSED TO BE CONNECTED TO A NEW STRUCTURE.
- BENCHES SHALL BE POURED IN STRUCTURES PER FDOT INDEX NO. 425-001.
- STRUCTURE & PIPE CULVERTS SHALL BE FURNISHED & INSTALLED PER FDOT SPECIFICATION SECTION 125 (EXCAVATION FOR STRUCTURES AND PIPE), SECTION 425 (INLETS, MANHOLES, AND JUNCTION BOXES) AND SECTION 430 (PIPE CULVERTS).
- LASER PROFILING WILL NOT BE REQUIRED.

CLEARING & SITE PREPARATION NOTES:

- THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE AREAS NECESSARY FOR CONSTRUCTION. ALL DISTURBED AREAS MUST BE RESTORED IMMEDIATELY FOLLOWING CONSTRUCTION OR AS INDICATED ON THE PLANS.
- ANY UNUSED EXCESS GROUND MATERIAL STRIPPED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE REMOVED FROM THE PROJECT SITES.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL NOTE THAT THERE ARE BURIED TELEPHONE, BURIED ELECTRICAL, WATER AND SANITARY SEWER SERVICES NEAR PROJECT SITES. THESE FACILITIES SHALL BE ACCURATELY FIELD LOCATED PRIOR TO ANY CLEARING AND GRUBBING WORK AND SHALL BE PROTECTED THROUGHOUT CONSTRUCTION ANY DAMAGE TO THESE FACILITIES WILL BE PROMPTLY CORRECTED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SPRINKLER SYSTEMS. COORDINATE WITH EACH PROPERTY OWNER TO TEST THE SPRINKLER SYSTEM ONCE REPAIRS ARE MADE. ALL WORK MUST MEET THE APPROVAL OF THE PROPERTY OWNER AND CITY REPRESENTATIVE.

SUE DATA TABLE									
POINT NAME	UTILITY DESCRIPTION (OWNER, TYPE)	SIZE (IN)	MATERIAL	STATION			EXISTING GROUND ELEVATION (APPROX) (FT)	MEASURE DOWN (FT)	TOP OF UTILITY ELEVATION (APPROX) (FT)
				STATION	OFFSET	LT/RT			
EP#1	PINELLAS COUNTY SAN. SEWER LATERALS	4"	VCP	101+17.57	18.13	RT.	20.90	1.90	18.00
EP#2	PINELLAS COUNTY SAN. SEWER LATERALS	4"	VCP	102+62.29	17.55	LT.	20.60	1.90	18.70
EP#3	PINELLAS COUNTY SAN. SEWER LATERALS	4"	VCP	103+38.47	15.63	RT.	21.49	2.40	19.09
EP#4	PINELLAS COUNTY SAN. SEWER LATERALS	4"	VCP	105+47.15	22.01	LT.	21.80	2.01	19.79

SURVEYOR'S REPORT: GROVE TERRACE

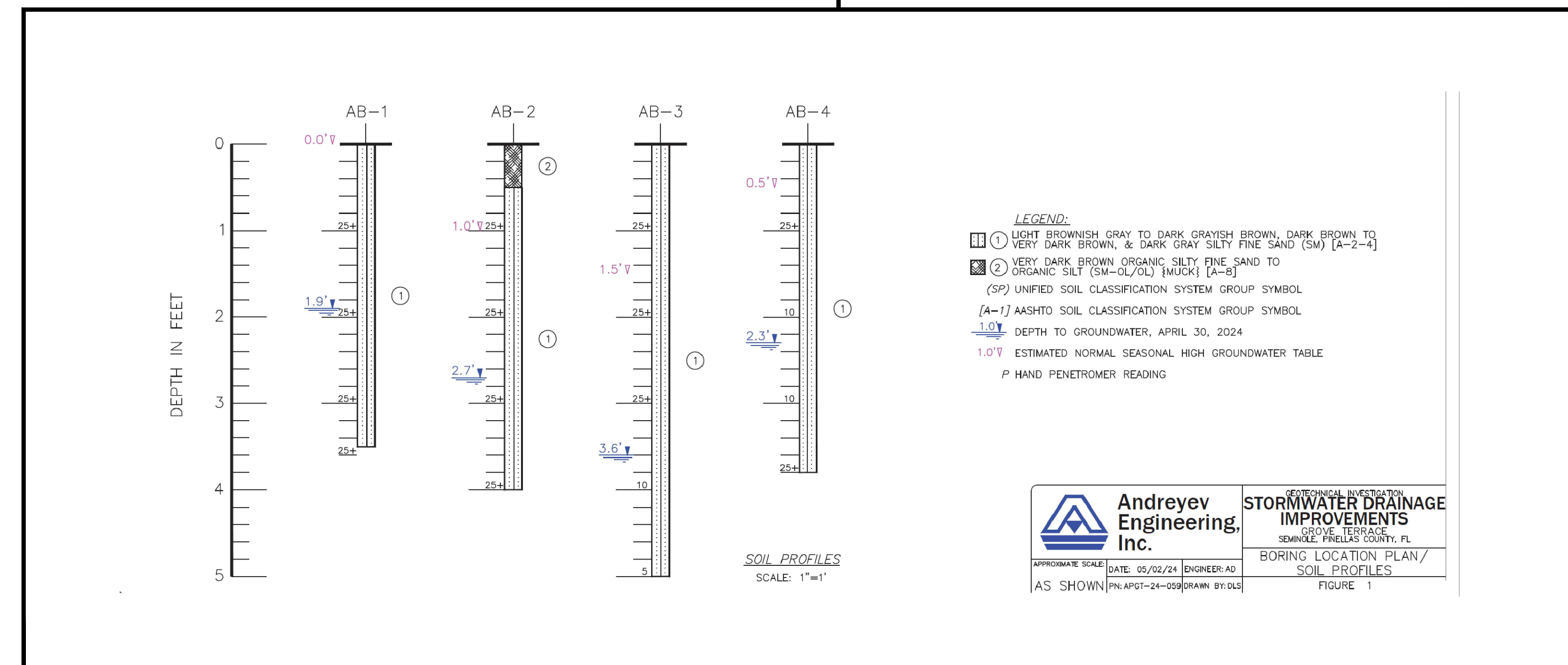
- THIS SURVEY NOT VALID UNLESS EMBOSSED OR STAMPED WITH A SURVEYOR'S SEAL.
- UNDERGROUND ENCROACHMENTS SUCH AS UTILITIES AND FOUNDATIONS, THAT MAY EXIST, HAVE NOT BEEN LOCATED.
- PARCEL NUMBERS, OWNERS NAME, ADDRESS AND LAND USE SHOWN HEREON OBTAINED FROM THE PINELLAS COUNTY PROPERTY APPRAISERS WEB SITE.
- THIS IS NOT A BOUNDARY SURVEY.
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" ACCORDING TO FLOOD INSURANCE RATE MAP 12103C0181H, PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, LAST REVISED AUGUST 24, 2021.
- BEARINGS SHOWN HEREON ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, 1983-2011 ADJUSTMENT.
- PARENT BENCH MARK IS PINELLAS COUNTY BENCH MARK NO. "SEMINOLE U", A PINELLAS COUNTY SURVEY DISK STAMPED "SEMINOLE U" SET ON THE TOP OF A 12" DIAMETER CONCRETE MONUMENT, LOCATED AT THE INTERSECTION OF 113TH STREET N. AND 80TH STREET N. ELEVATION = 31.56' (NAVD 1988).
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
- ON-SITE BENCH MARKS ARE DELINEATED WITHIN THE FRAMEWORK OF THE SURVEY DRAWING.
- THE SPECIFIC PURPOSE OF THIS SURVEY IS TO DELINEATE TREES FIVE INCHES (5") IN DIAMETER AND GREATER WITHIN THE LIMITS OF SUBJECT PROPERTY.

LEGEND

- | | | | |
|-------------|-------------------------------------|------|-------------------------------------|
| TOB | TOP OF BANK | L.B. | LICENSED BUSINESS |
| TOS | TOE OF SLOPE | EL | ELEVATION |
| S.P.K.N.&D. | SET P.K. NAIL AND DISK P.L.S. #4697 | RCP | REINFORCED CONCRETE PIPE |
| F.C.I.R. | FOUND CAPPED IRON ROD | CONC | CONCRETE |
| F.I.R. | FOUND IRON ROD | OHU | OVERHEAD WIRE |
| F.C.M. | FOUND CONCRETE MONUMENT | SS | SANITARY SEWER MANHOLE |
| F.I.P. | FOUND IRON PIPE | LP | LIGHT POLE |
| VCP | VITRIFIED CLAY PIPE | WV | WATER VALVE |
| PVC | POLYVINYL CHLORIDE | FH | FIRE HYDRANT |
| INV | INVERT | WM | WATER METER |
| (F) | FIELD | GA | GUY ANCHOR |
| (P) | PLAT | UP | UTILITY POLE |
| (C) | CALCULATED | WMC | MONITOR WATER WELL WITH CONC COLLAR |
| L.B. | LICENSED BUSINESS | MB | MAILBOX |

TREE LEGEND

- OAK TREE (SIZE AS NOTED)
- PALM TREE (SIZE AS NOTED)



Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24.SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_GeneralNotesLegends.dwg

NO.	REVISIONS	BY	DATE

SCALE: AS SHOWN
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

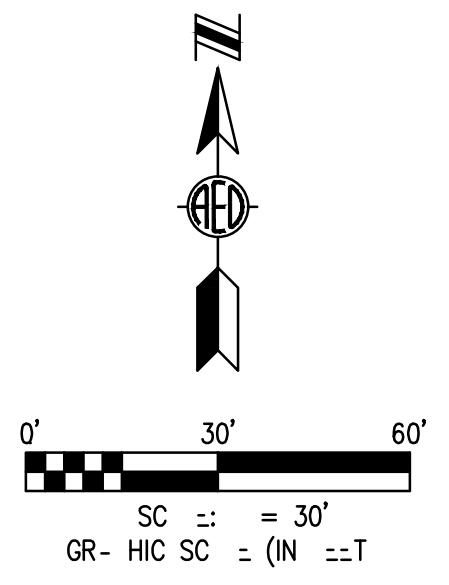
ADVANCED ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158



CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

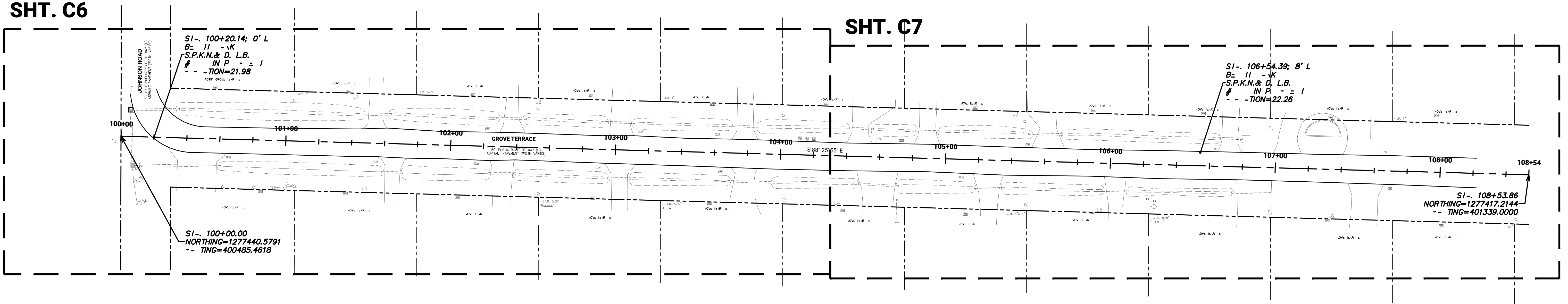
GENERAL NOTES & LEGENDS

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C2**



SHT. C6

SHT. C7



GROVE TERRACE
SCALE: 1"=30'

Do: 10/27/06 Time: 9:18 AM - filename: W:\Public\Seminoles\24\SEM-29 (.24 5' - mm)\Cadd\Current\SEM-29_KeyMap.dwg

NO.	REVISIONS	BY	DATE

SCALE: AS SHOWN
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

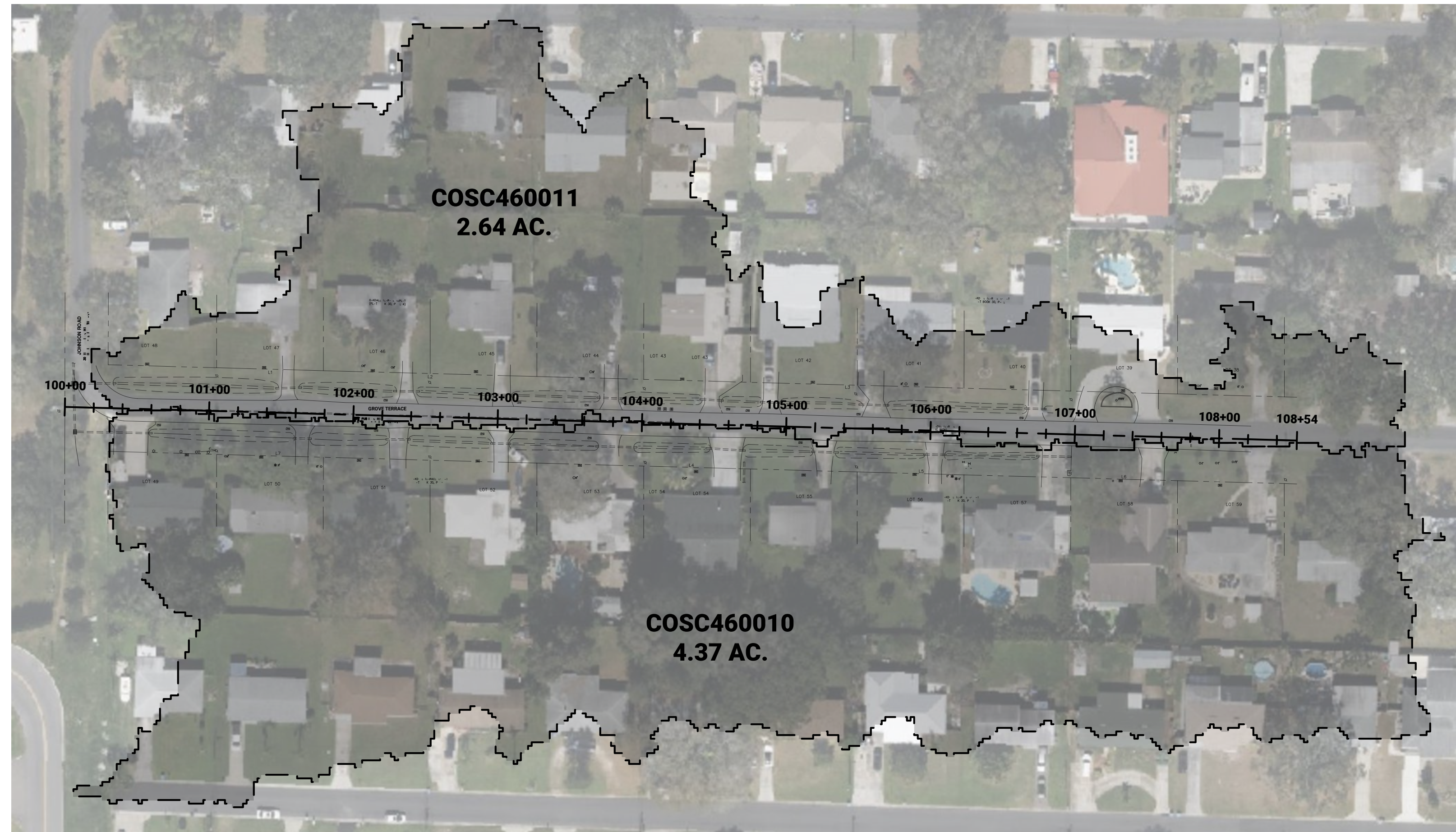


CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

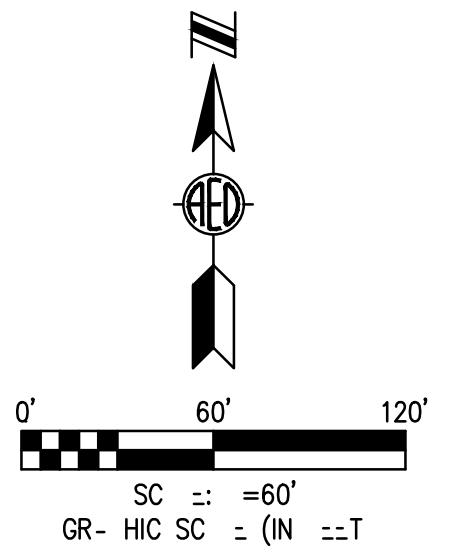
KEY MAP & CONTROL PLAN

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C3**

NOTE:
 BASINS FOR GROVE TERRACE & 62ND
 CIRCLE WERE BASED ON THE DRAFT
 SEMINOLE WATERSHED MANAGEMENT PLAN
 MODEL DATED 8/15/2023.



GROVE TERRACE
 SCALE: 1"=60'



D:\10/27/06 Time: 9:18 AM - filename: M:\Public\Seminoles\24\SEM-29 (124 5' - mm)\Cadd\Curren\SEM-29_BasinMap.dwg

NO.	REVISIONS	BY	DATE

SCALE: AS SHOWN
 DRAWN: S.A.T.
 DESIGNED: R.S.K.
 APPROVED: J.V.K.

ADVANCED
 ENGINEERING & DESIGN, INC.
 3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158



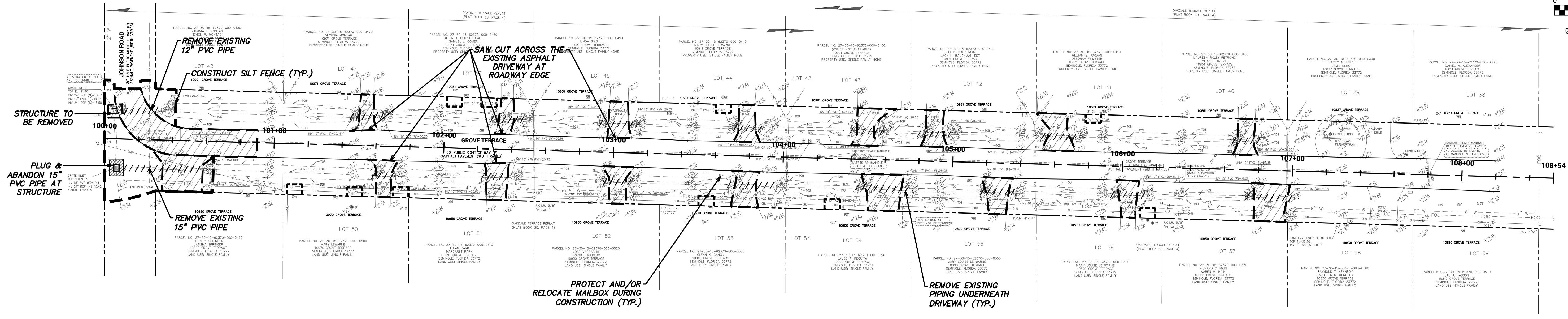
CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

BASIN MAP

DATE: 7/01/2024
 PROJECT NO: 24.SEM-29
 SHEET NO: **C4**



0' 30' 60'
SCALE: 1" = 30'
GRAPHIC SCALE (IN FEET)



DEMOLITION PLAN (GROVE TERRACE)
SCALE: 1"=30'

DEMOLITION NOTES:

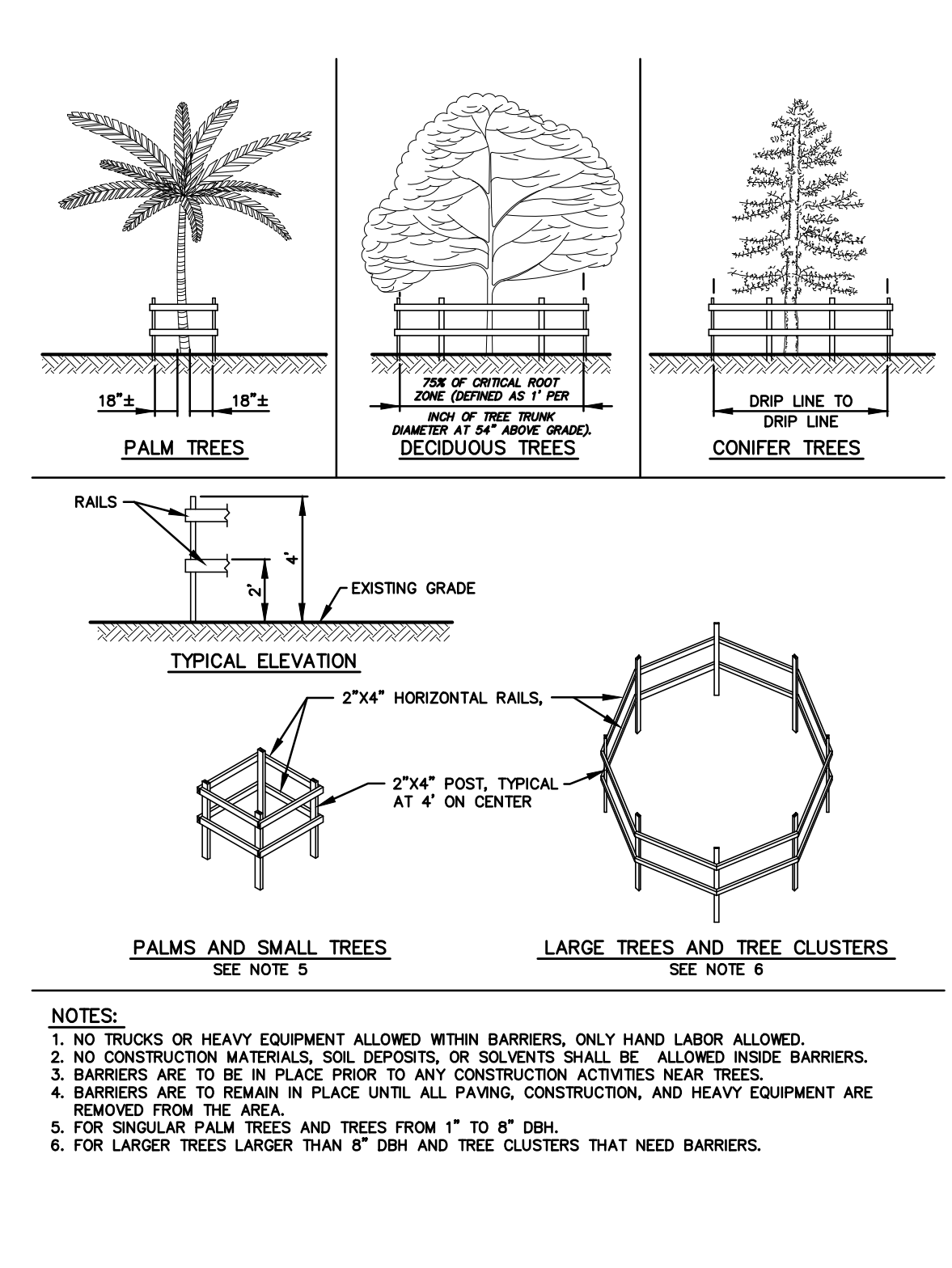
- IT SHALL BE NOTED THAT DEMOLITION OF ADDITIONAL ITEMS AND FEATURES MAY BE NEEDED IN ORDER TO COMPLETE THE WORK. ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR THE DEMOLITION OF ANY INCIDENTAL ITEMS NOT EXPLICITLY SHOWN TO BE REMOVED ON THESE PLANS.
 - DRIVEWAY DEMOLITION LIMITS SHALL MATCH THE DRIVEWAY REPLACEMENT LIMITS SHOWN ON THE PLANS.
 - THE CONTRACTOR SHALL PROVIDE A STABILIZED SURFACE FOR VEHICULAR USAGE AFTER DRIVEWAY DEMOLITION. MILLINGS, AGGREGATE OR OTHER MATERIAL SHALL BE USED, AS NEEDED. SEPARATE PAYMENT WILL NOT BE MADE FOR TEMPORARY DRIVEWAY ACCOMMODATIONS. VEHICLE ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 - THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL DEMOLISHED MATERIAL.
 - PRIOR TO COMMENCING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS TO REMOVE EXISTING PARKWAY FEATURES (DECORATIVE ELEMENTS, PLANTERS, ETC.).
 - THE CONTRACTOR SHALL MAKE ALL EFFORTS TO PROTECT EXISTING FEATURES PROPOSED TO REMAIN. PROTECTION EFFORTS SHALL BE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
- WHERE CALLED FOR ON THE PLANS, INSTALL TREE BARRICADES, EROSION CONTROL/SILT FENCING OR OTHER APPROVED PROTECTIVE BARRIERS AROUND ALL TREES TO BE PRESERVED, PER DETAIL. WHERE APPLICABLE, AND SPECIFICALLY APPROVED BY THE CITY'S ENGINEERING REPRESENTATIVE. PROTECTIVE BARRIERS MAY BE PLACED IN ROOT PRUNE TRENCHES.
 - PRIOR TO ANY FIELD CHANGES TAKING PLACE, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE POTENTIAL IMPACTS TO EXISTING TREES WITH A CERTIFIED ARBORIST, AND INCLUDE ANY AND ALL RECOMMENDED TREE PROTECTION MEASURES IN THE PROPOSAL TO MODIFY THE APPROVED DESIGN. THE CITY'S ENGINEERING REPRESENTATIVE MUST APPROVE, IN WRITING, ANY CHANGES TO THE APPROVED DESIGN PRIOR TO IMPLEMENTATION OF SAID CHANGE.
 - THE CONTRACTOR WILL AVOID ANY OPEN EXCAVATIONS, FILL OR OTHER CONSTRUCTION ACTIVITIES WHENEVER POSSIBLE WITHIN THE "CRITICAL ROOT ZONE" OF ANY EXISTING TREE (I.E., UNDER THE DRIP LINE/CANOPY).
 - NO VEHICLES, EQUIPMENT OR MATERIALS SHALL BE PARKED OR STORED UNDER/WITHIN THE DRIP LINE/PROTECTIVE BARRIER AREA OF ANY TREE.
 - WHERE CONSTRUCTION ACTIVITIES ARE ANTICIPATED TO LAST FOR AN EXTENDED PERIOD OF TIME NEAR EXISTING TREES, THE CONTRACTOR SHALL INSTALL AND MAINTAIN CITY APPROVED TREE BARRICADES AS SHOWN IN THE STANDARD DETAILS AND AS APPROVED BY THE CITY'S ENGINEERING REPRESENTATIVE.
 - WOODCHIPS, MULCH OR ANOTHER CUSHIONING SURFACE MATERIAL APPROVED BY THE CITY'S ENGINEERING REPRESENTATIVE SHALL BE PLACED TO A MINIMUM DEPTH OF TEN (10) INCHES OVER AREAS WHERE ROOTS ARE PRESENT AND CONSTRUCTION TRAFFIC OCCURS.
 - ALL TREE PROTECTION MEASURES SHALL REMAIN IN PLACE AT ALL TIMES DURING CONSTRUCTION UNTIL THE CITY'S ENGINEERING REPRESENTATIVE AUTHORIZES REMOVAL.
- THE CONTRACTOR MUST OBTAIN A FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER, IF DEWATERING WITH OFFSITE DISCHARGE WILL BE REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED PRELIMINARY WATER SAMPLES TO SATISFY THE FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER. SAMPLING SHALL OCCUR THIRTY (30) DAYS PRIOR TO THE START OF DEWATERING.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND POLLUTION SHALL BE MINIMIZED. THE SUBMITTED SWPPP SHALL BE COMPLIED WITH. ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS SHALL BE COMPLIED WITH AT ALL TIMES.
 - IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE AFFECTED AREAS USING SPRINKLING IRRIGATION OR OTHER MEANS.
 - SILT FENCING SHALL BE PLACED AROUND ALL STOCKPILE AND SPOIL AREAS.
 - THE CONTRACTOR SHALL COMPLETE ALL CITY-MANDATED NPDES TRAINING PRIOR TO MOBILIZING TO THE SITE.
 - THE CONTRACTOR SHALL INCORPORATE WASHDOWN AREAS OR SOIL TRACKING DEVICES AT LOCATIONS WHERE CONSTRUCTION VEHICLES ENTER AND EXIT THE SITE.
 - DEBRIS SHALL BE REMOVED FROM VEHICLE USE AREAS ON A DAILY BASIS.
 - A STORMWATER POLLUTION PREVENTION PLAN HAS BEEN PROVIDED FOR THE CONTRACTOR'S USE. THE CONTRACTOR SHALL SUPPLEMENT AND/OR REVISE THIS PLAN, AS NEEDED, TO SUCCESSFULLY CONTROL SEDIMENT AND PREVENT EROSION THROUGHOUT THE DURATION OF CONSTRUCTION.
 - REFERENCE THE SPECIFICATIONS FOR ADDITIONAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.

TREE PROTECTION REQUIREMENTS:

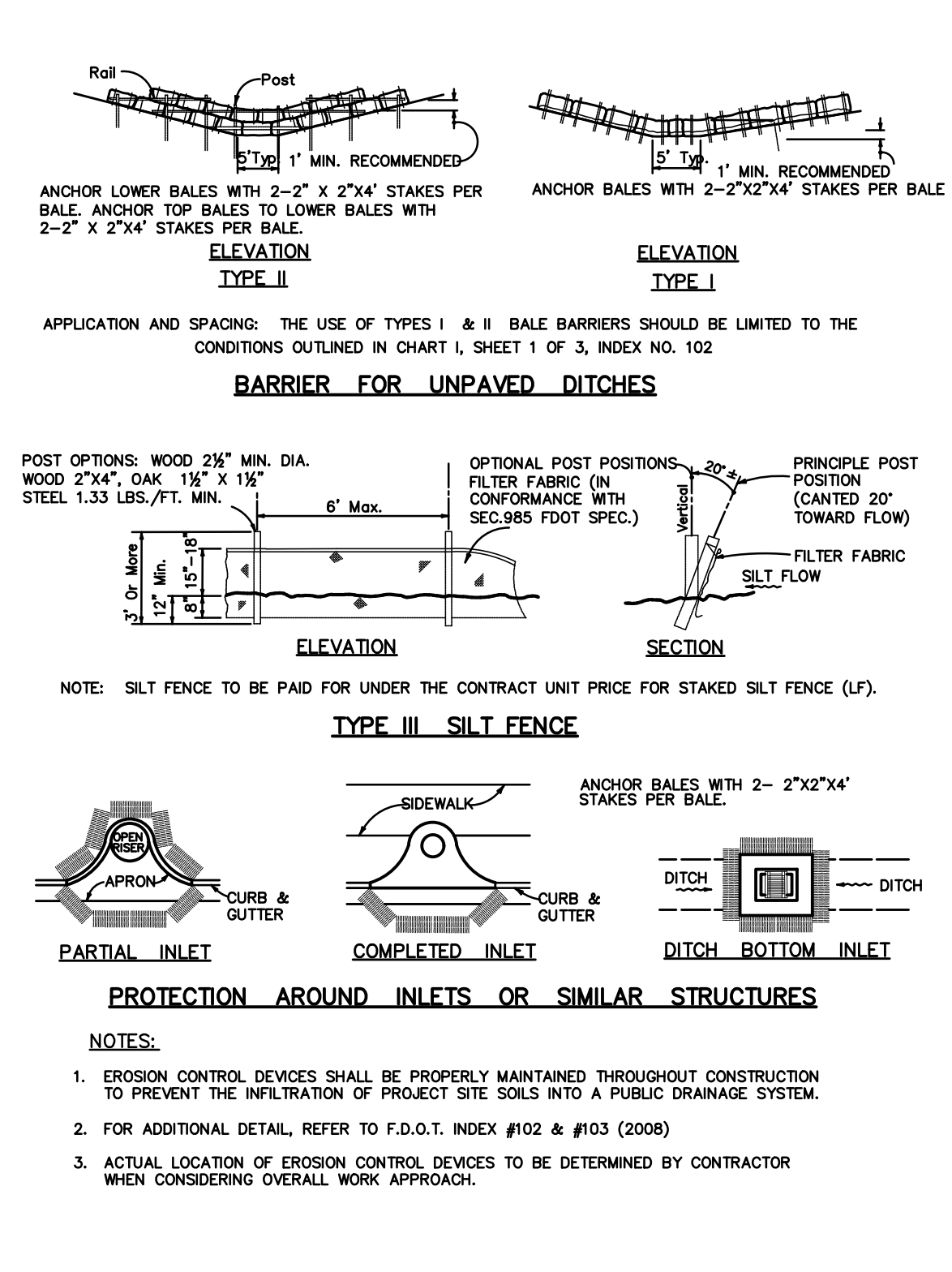
- CONSTRUCT TREE BARRICADES PER GENERAL DETAILS. DIMENSION MODIFICATION MAY BE NEEDED TO SUPPORT CONSTRUCTION ACTIVITIES. OBTAIN CITY APPROVAL PRIOR TO REVISING STANDARD TREE BARRICADE DIMENSIONS.
- WHERE TREES ARE NOT LOCATED ENTIRELY WITHIN THE RIGHT-OF-WAY, TERMINATE TREE BARRICADE AT PROPERTY LINE.
- ALL TREE PRUNING AND/OR ROOT PRUNING ON EXISTING TREES TO BE PRESERVED WILL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST. FURTHERMORE, ALL TREE WORK SHALL CONFORM TO THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 2001, AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS - TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES (PRUNING) ANSI A-300.

EROSION AND SEDIMENT CONTROL:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINS AND OUTFALLS. MODIFY PRESENTED PLANS, AS NEEDED, TO ENSURE ADHERENCE TO THIS REQUIREMENT.



1 TREE PROTECTION FENCE BARRIERS DETAIL
NOT TO SCALE



2 EROSION CONTROL DEVICES
NOT TO SCALE

LEGEND:

- TREE BARRICADE
- TREE TO BE REMOVED
- DEMOLITION LIMITS
- SILT FENCE BARRIER (FOOT TYPE III)
- INLET PROTECTION
- TURBIDITY BARRIER

Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\FY24 Storm\Current\SEM-29 (FY24 Storm)\Coord\SEM-29_DemolitionPlan.dwg

NO.	REVISIONS	BY	DATE

SCALE:	AS SHOWN
DRAWN:	S.A.T.
DESIGNED:	R.S.K.
APPROVED:	J.V.K.

ADVANCED ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

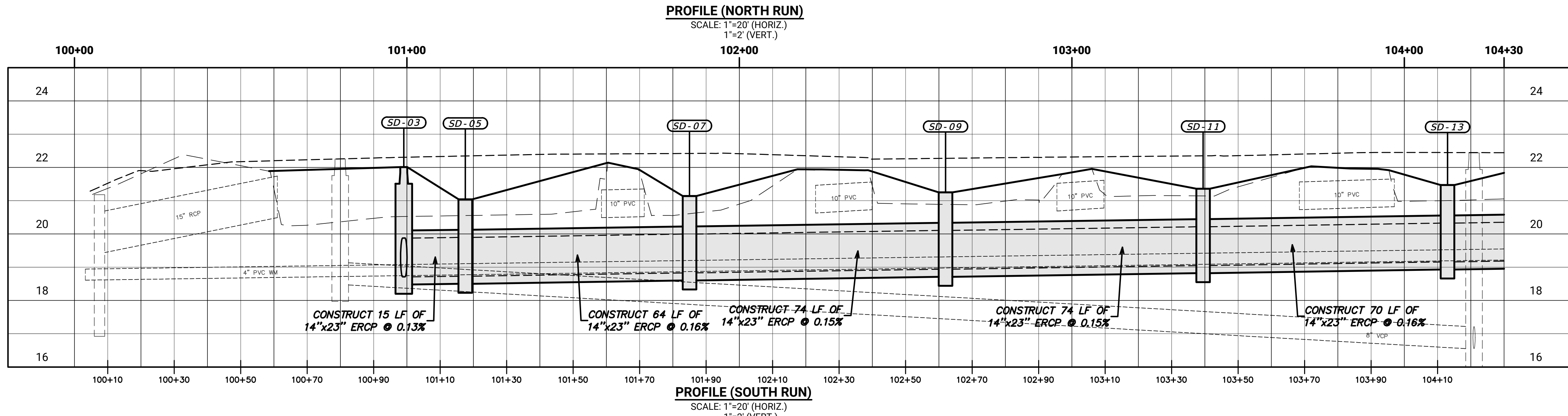
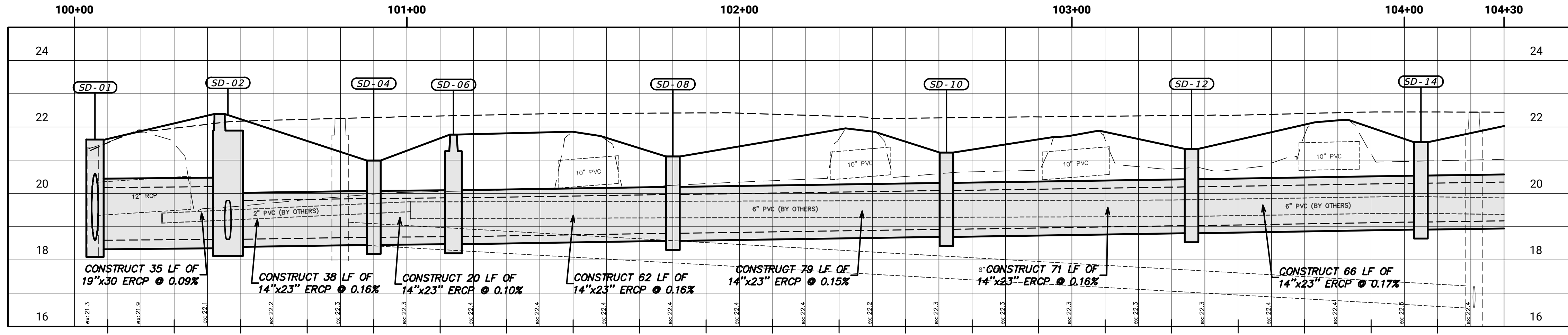
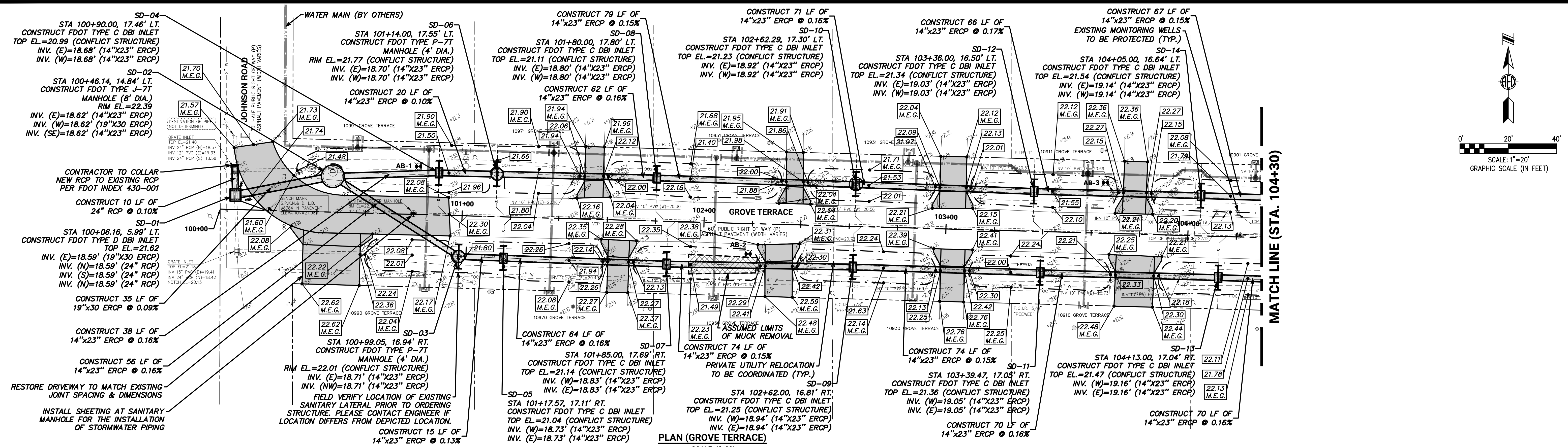


CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

DEMOLITION & EROSION CONTROL

DATE:	7/01/2024
PROJECT NO.:	24.SEM-29
SHEET NO.:	C5

Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24\SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_Plan&Profile_Grove Terrace.dwg



NO.	REVISIONS	BY	DATE

SCALE: 1"=20' (HORIZ.)
1"=2' (VERT.)

DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.

3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

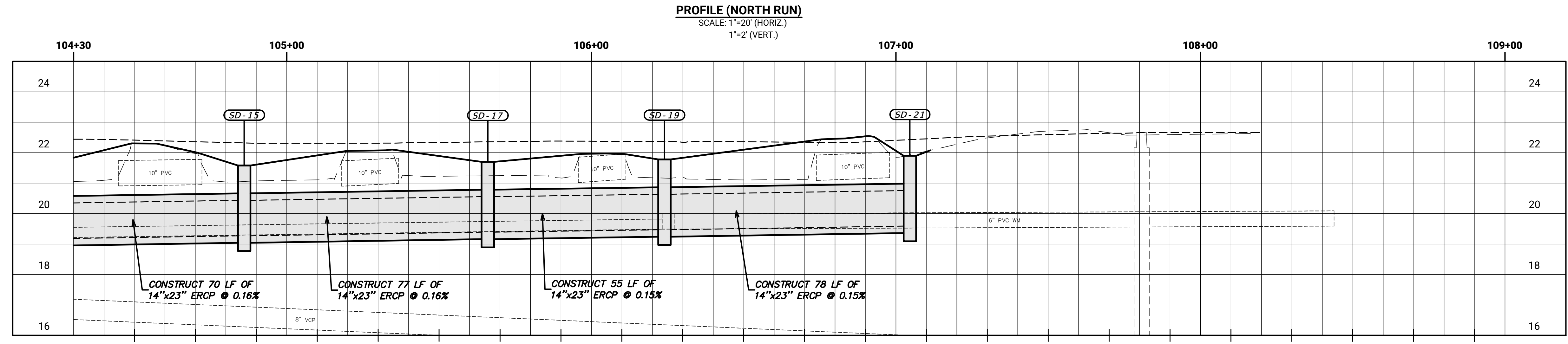
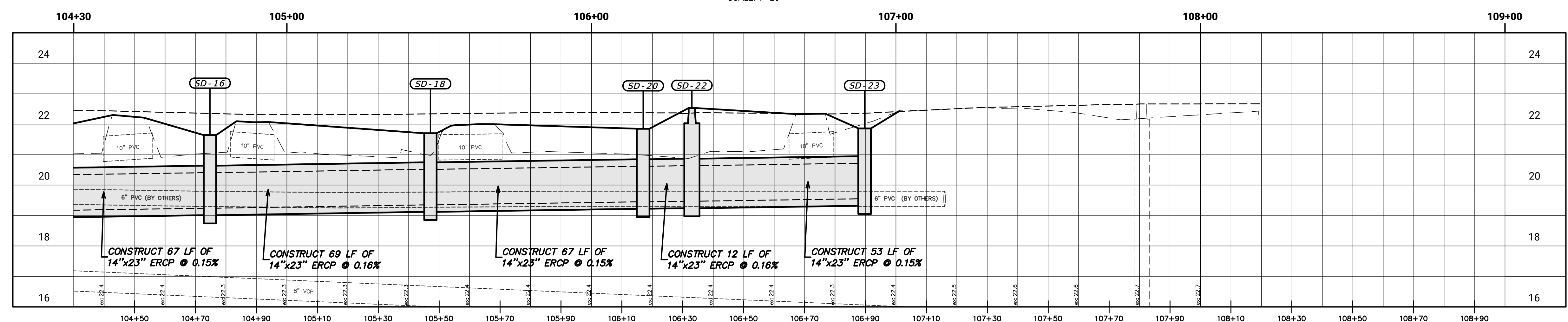
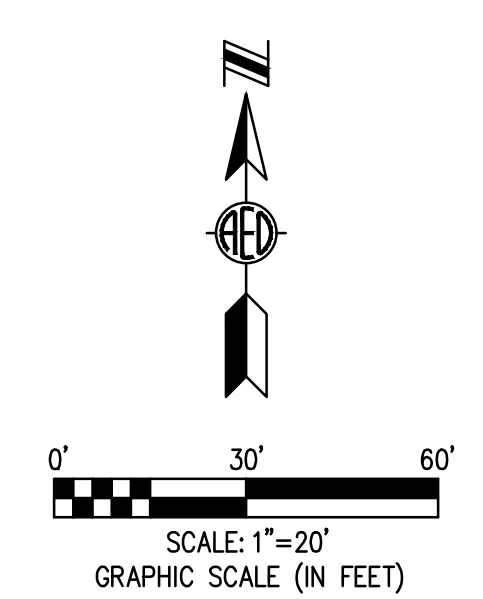
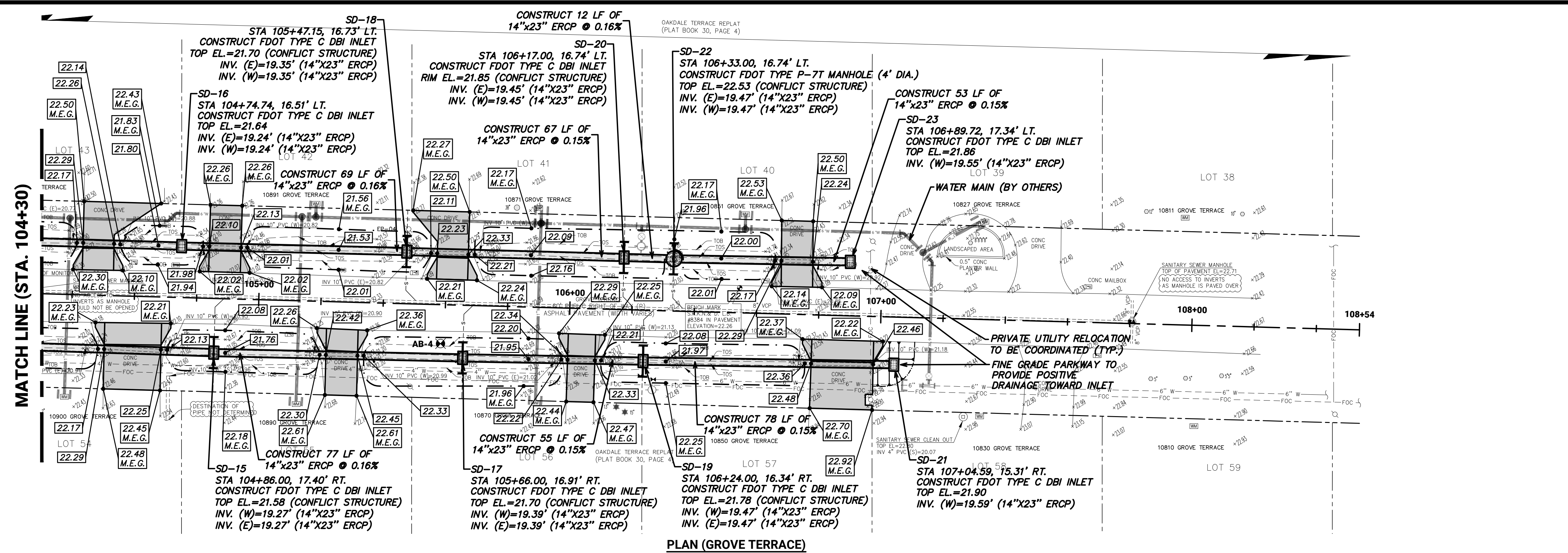


CITY OF SEMINOLE

FY24 STORMWATER IMPROVEMENTS

PLAN & PROFILE
(GROVE TERRACE)

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C6**

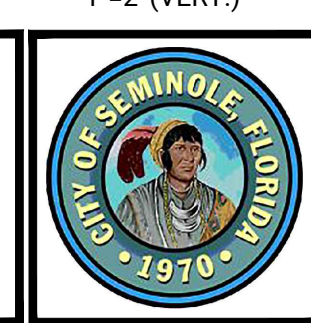


Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24\SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_Plan&Profile_Grove Terrace.dwg

NO.	REVISIONS	BY	DATE

SCALE: 1"=20' (HORIZ.)
1"=2' (VERT.)
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

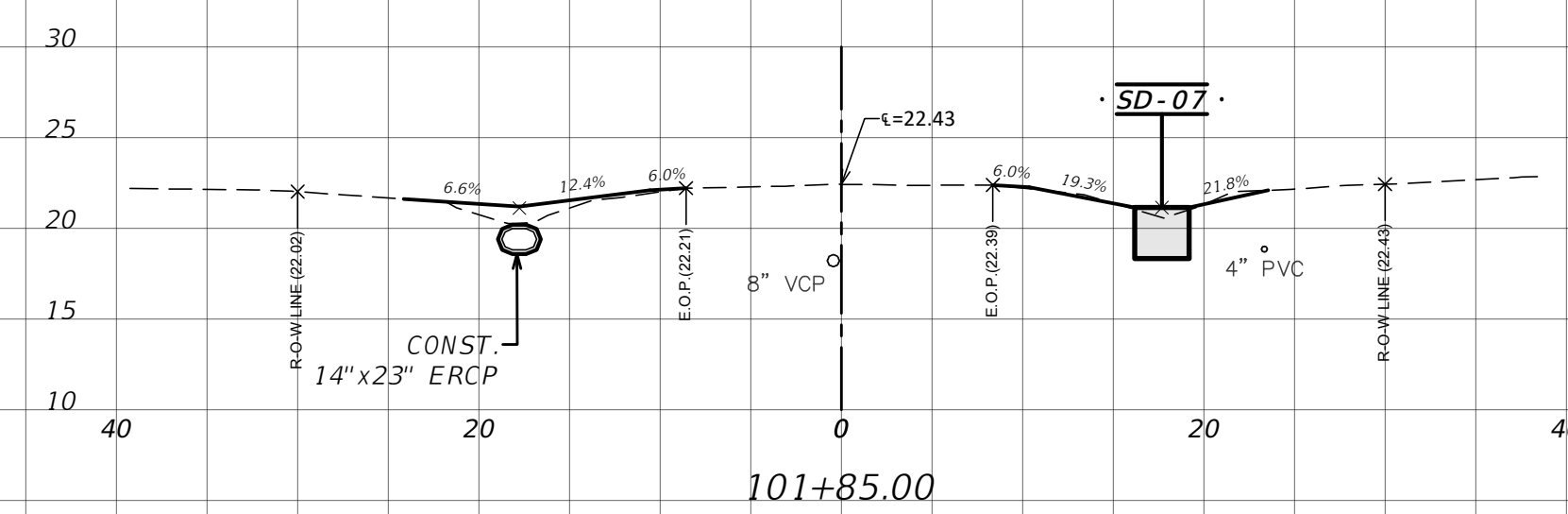
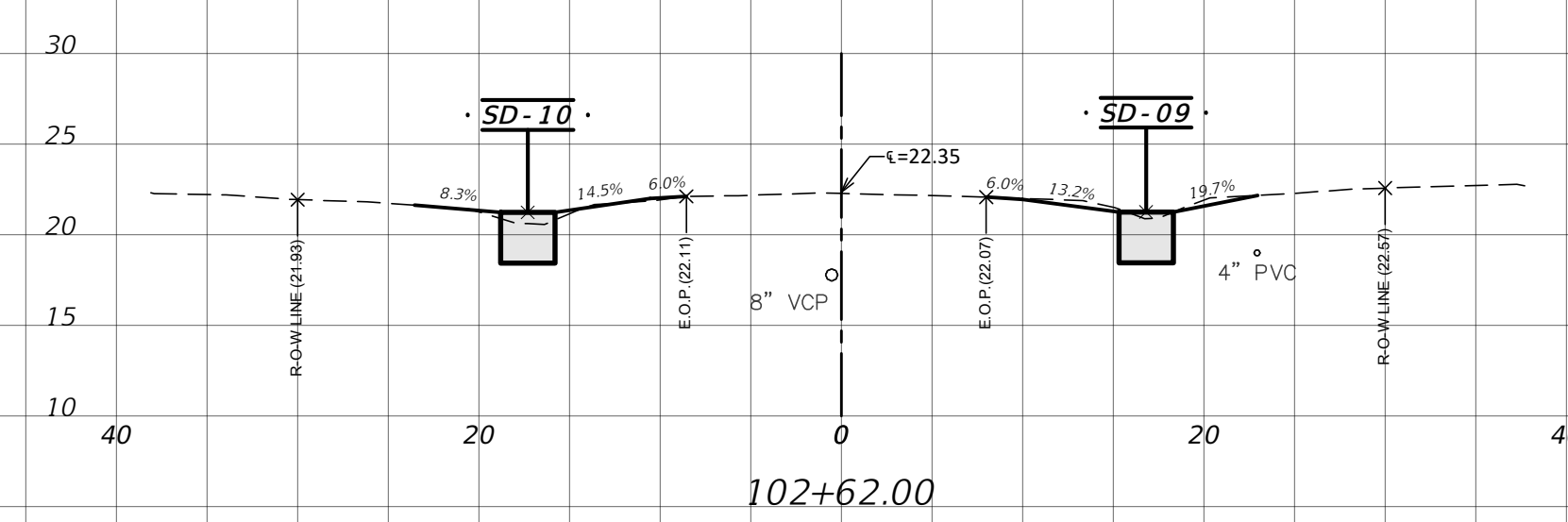
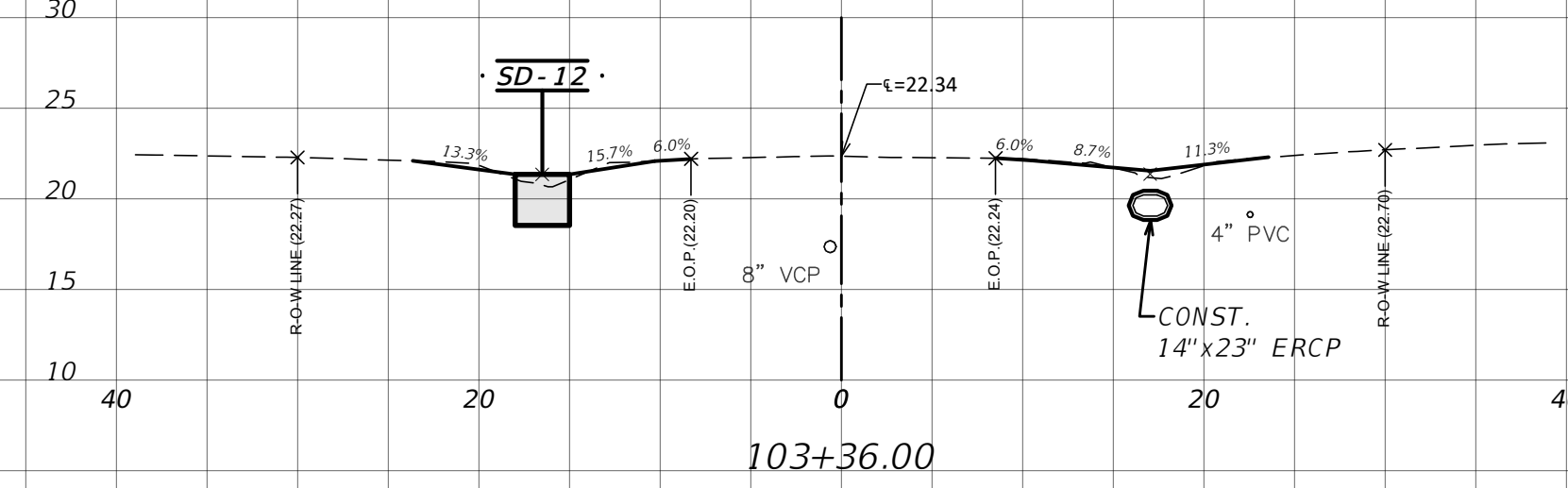
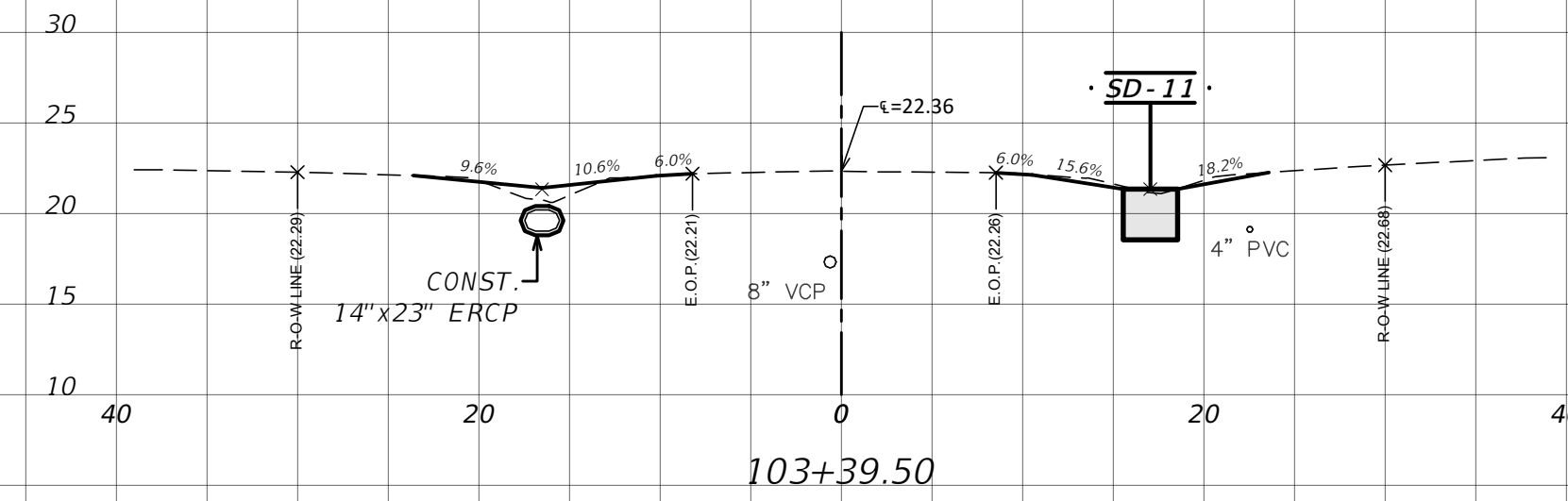
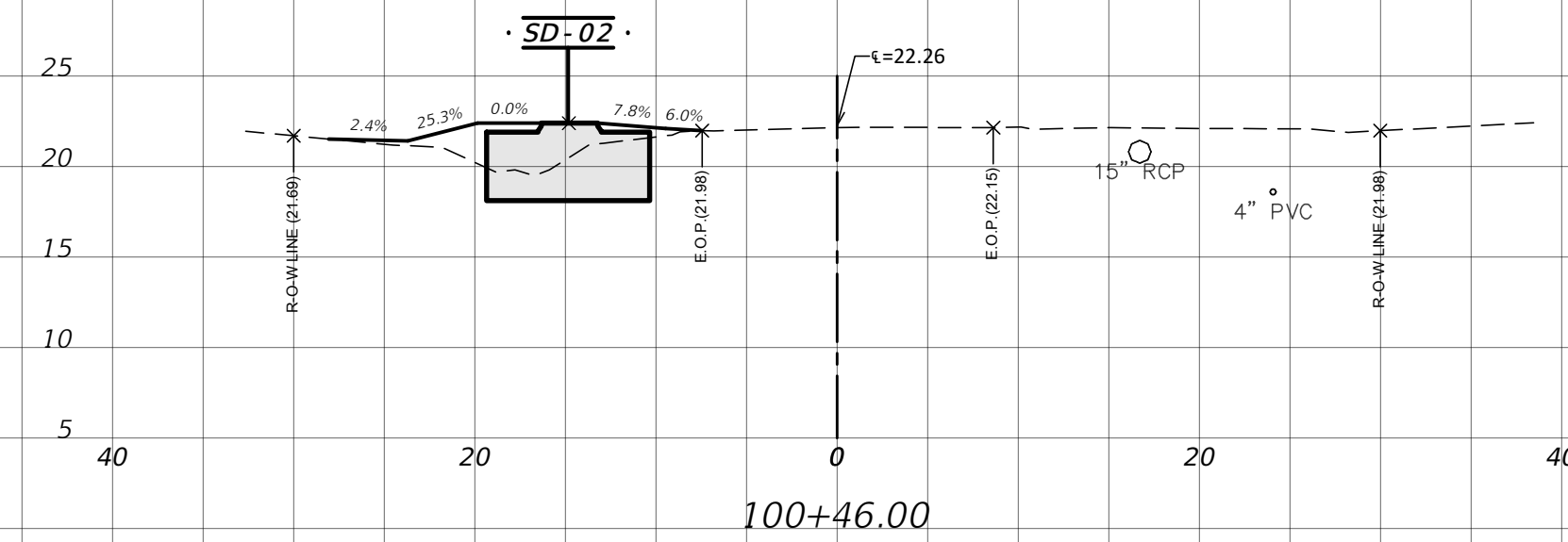
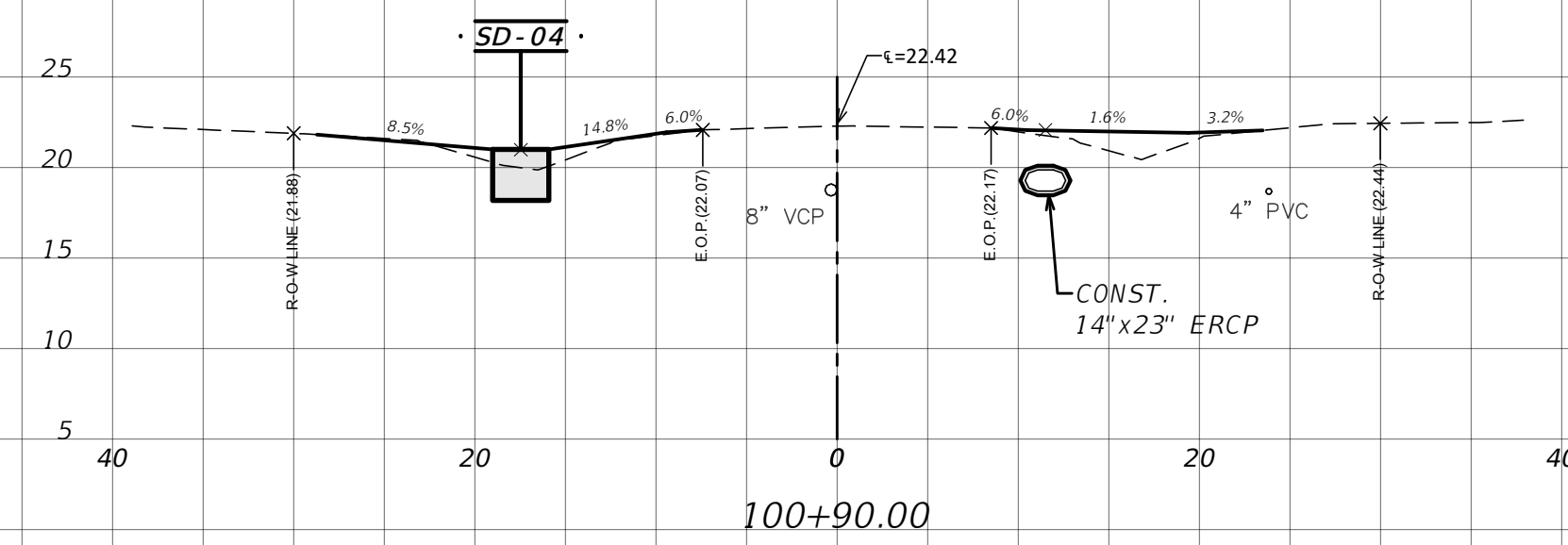
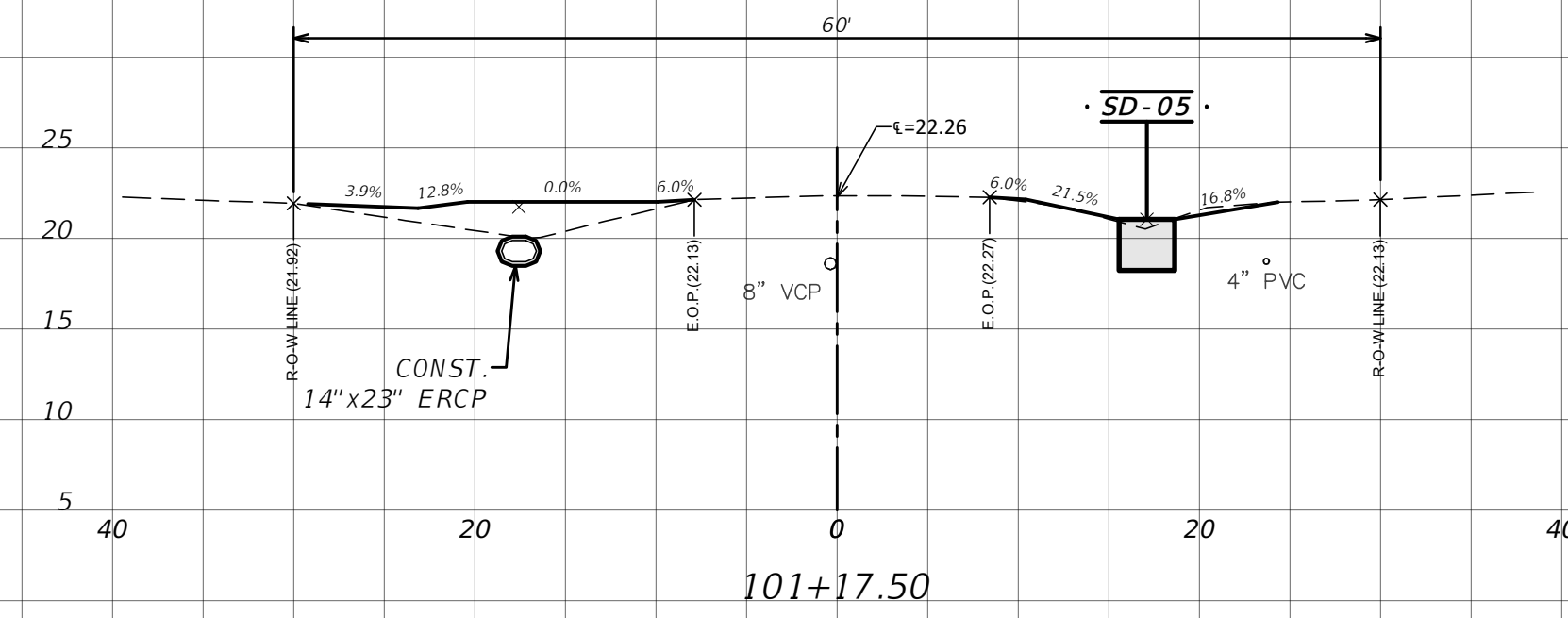
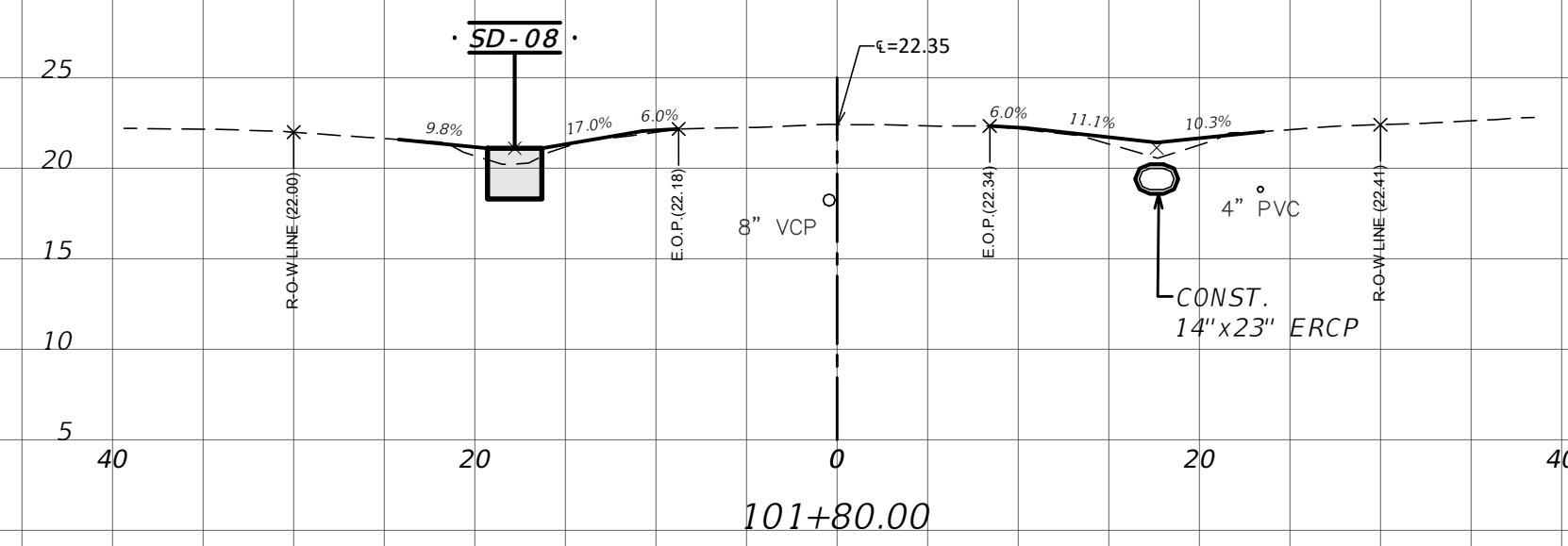


CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

PLAN & PROFILE (GROVE TERRACE)

DATE:	7/01/2024
PROJECT NO.:	24.SEM-29
SHEET NO.:	C7

Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24\SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_X-Sections.dwg



NO.	REVISIONS	BY	DATE

SCALE: 1"=10' (VERT.)
1"=10' (HORZ.)
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

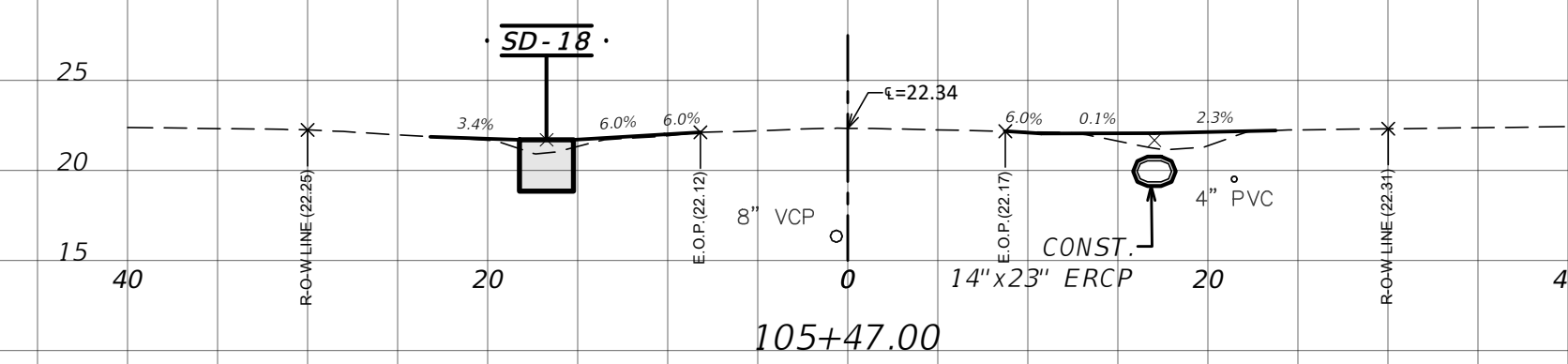
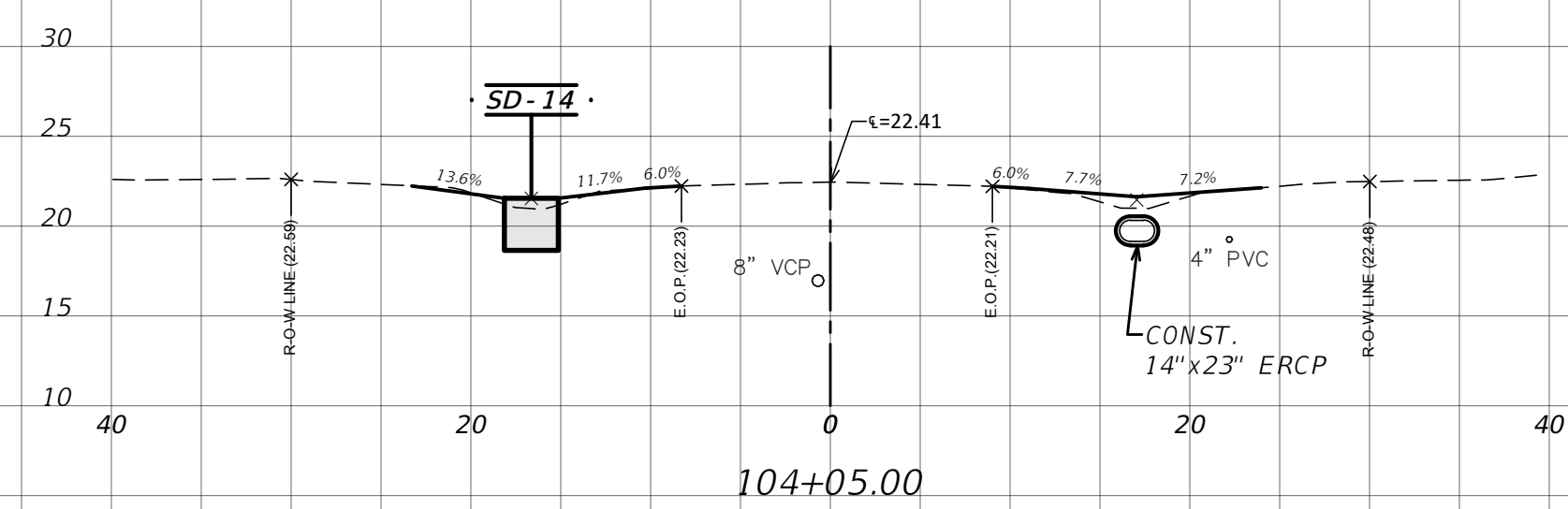
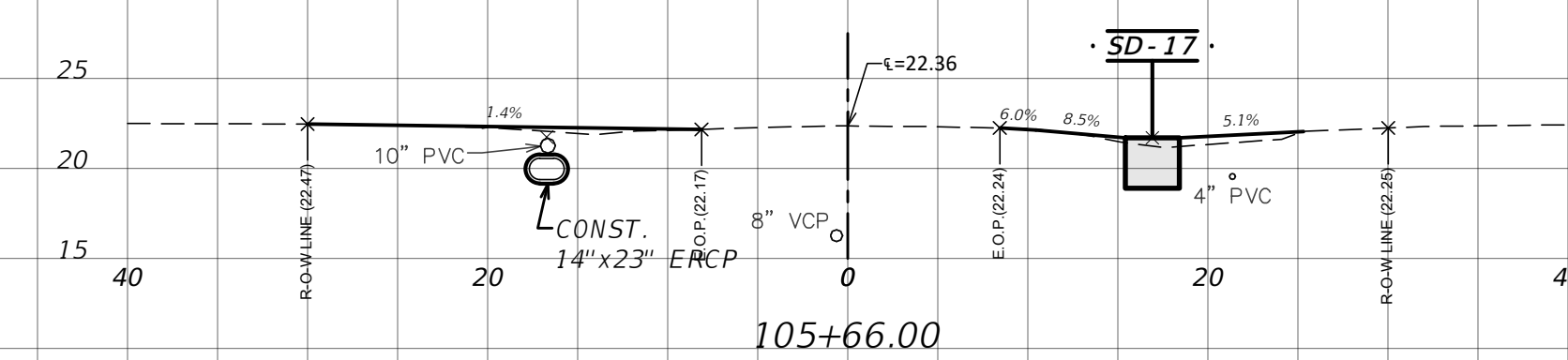
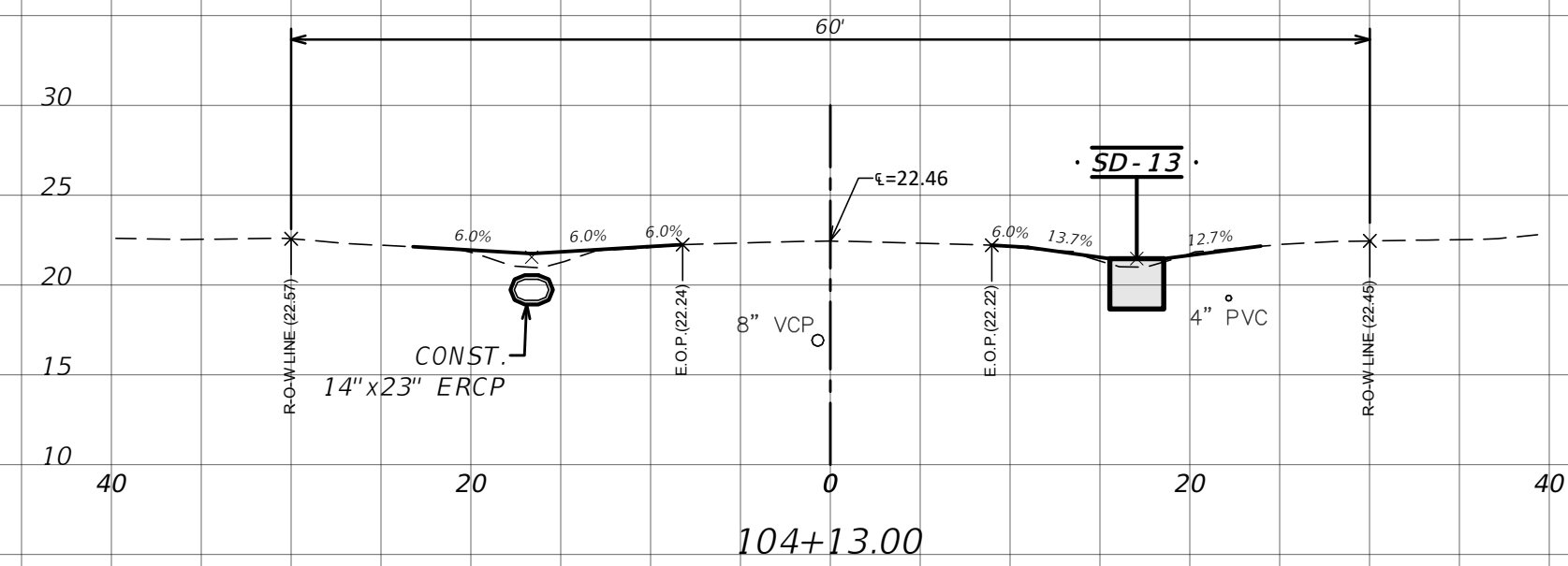
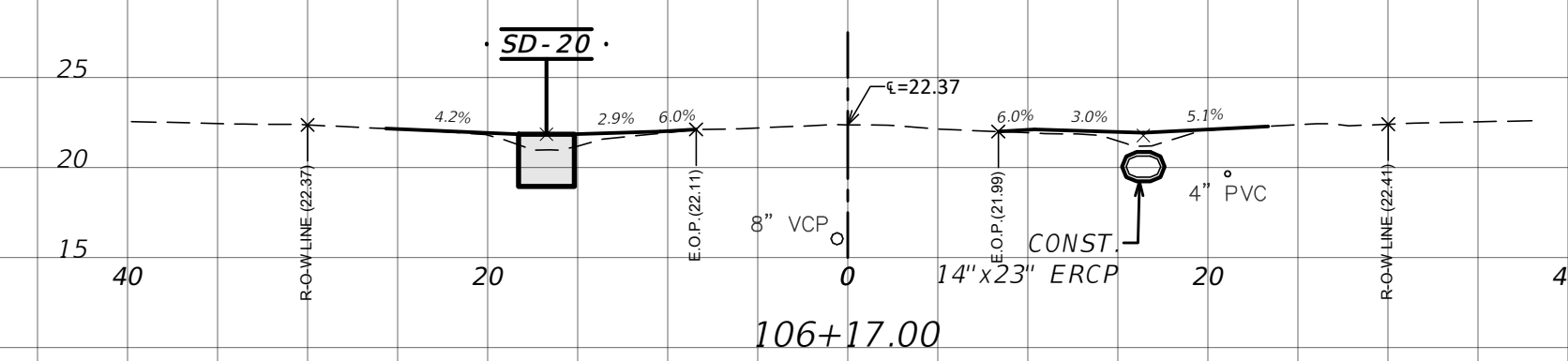
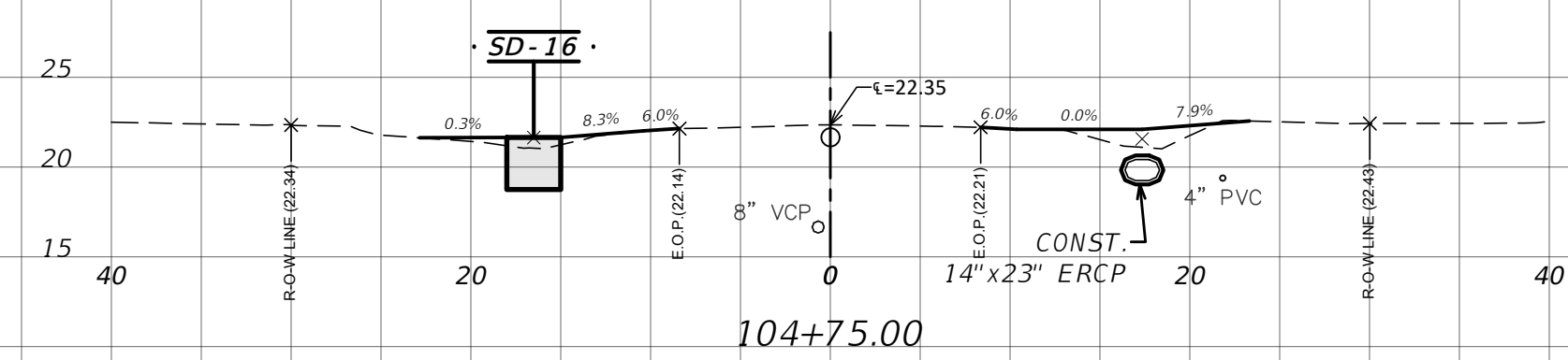
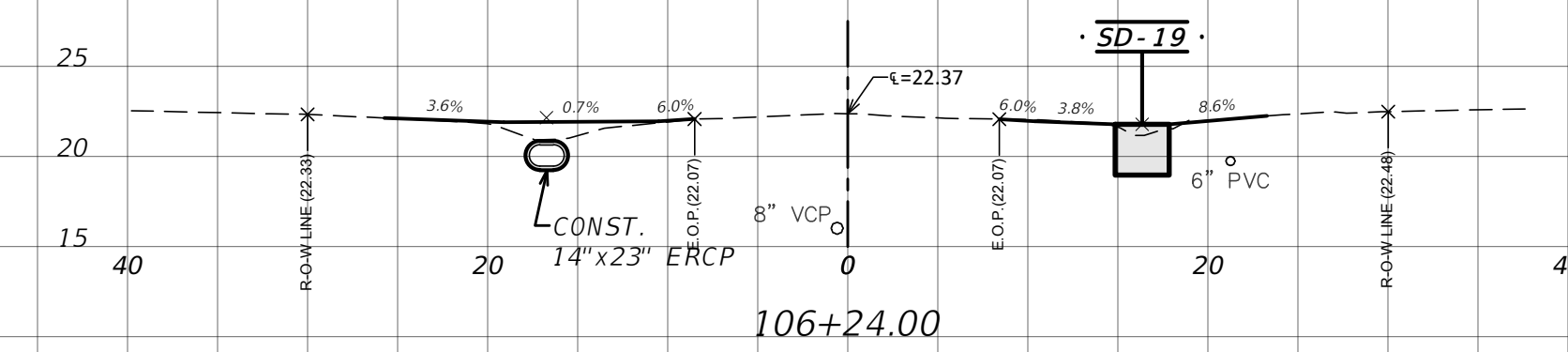
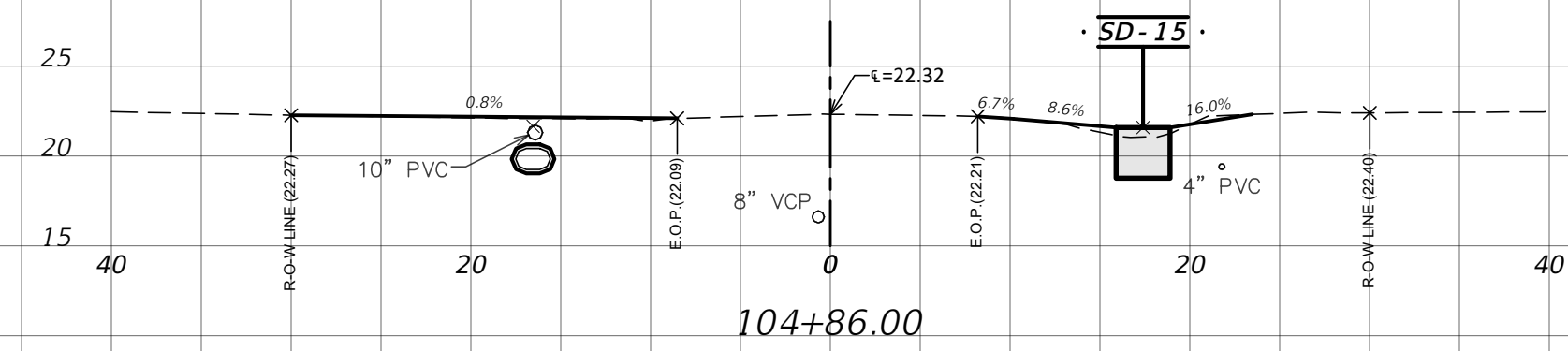


CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

SECTIONS (GROVE TERRACE)

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C8**

Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24\SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_X-Sections.dwg



NO.	REVISIONS	BY	DATE

SCALE: 1"=10' (VERT.)
1"=10' (HORZ.)
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158

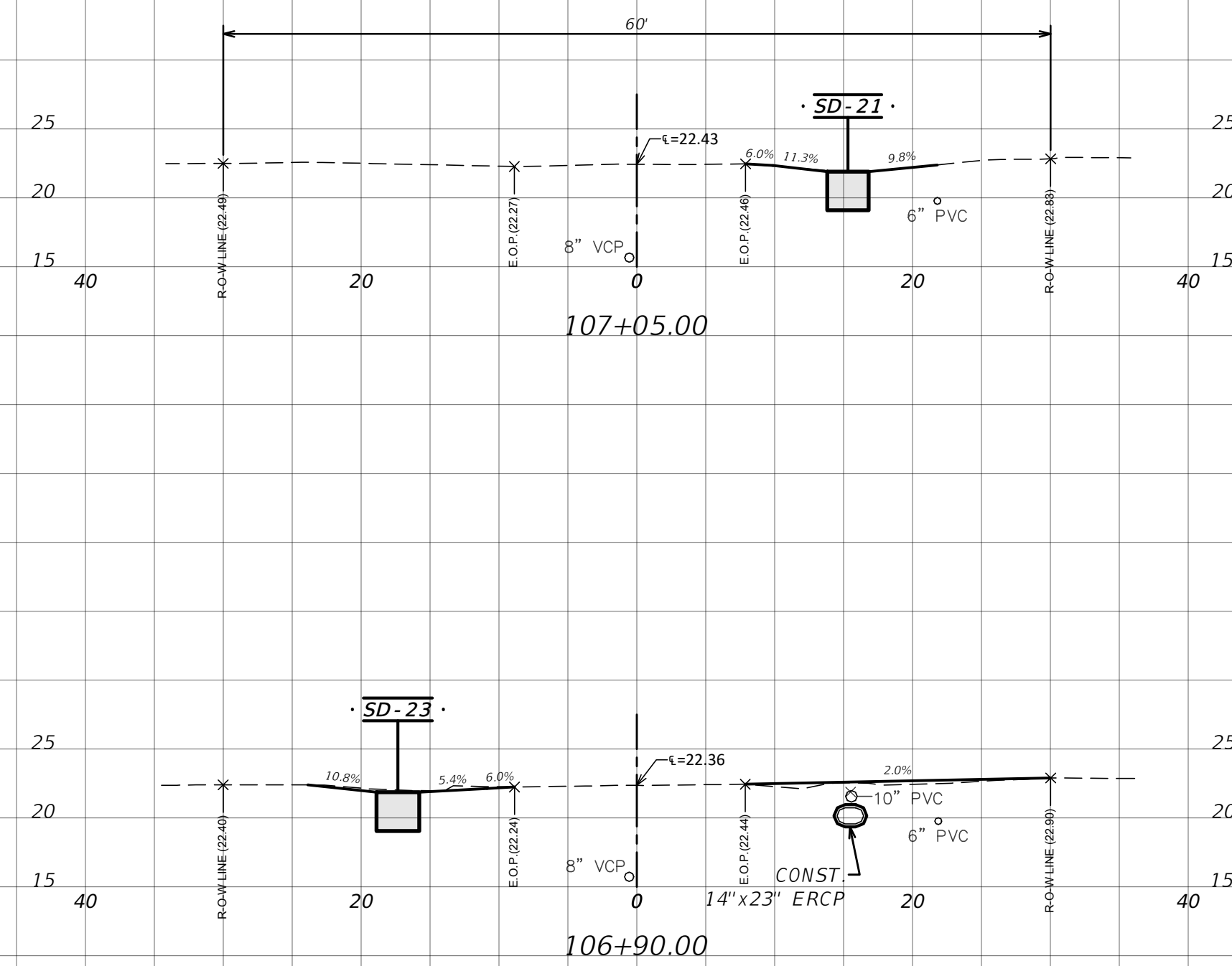


CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

SECTIONS (GROVE TERRACE)

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C9**

Date: 10/27/06 Time: 9:18 AM Filename: M:\Public\Seminoles\24\SEM-29 (FY24 Storm)\Cadd\Current\SEM-29_X-Sections.dwg



NO.	REVISIONS	BY	DATE

SCALE: 1"=10' (VERT.)
1"=10' (HORZ.)
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

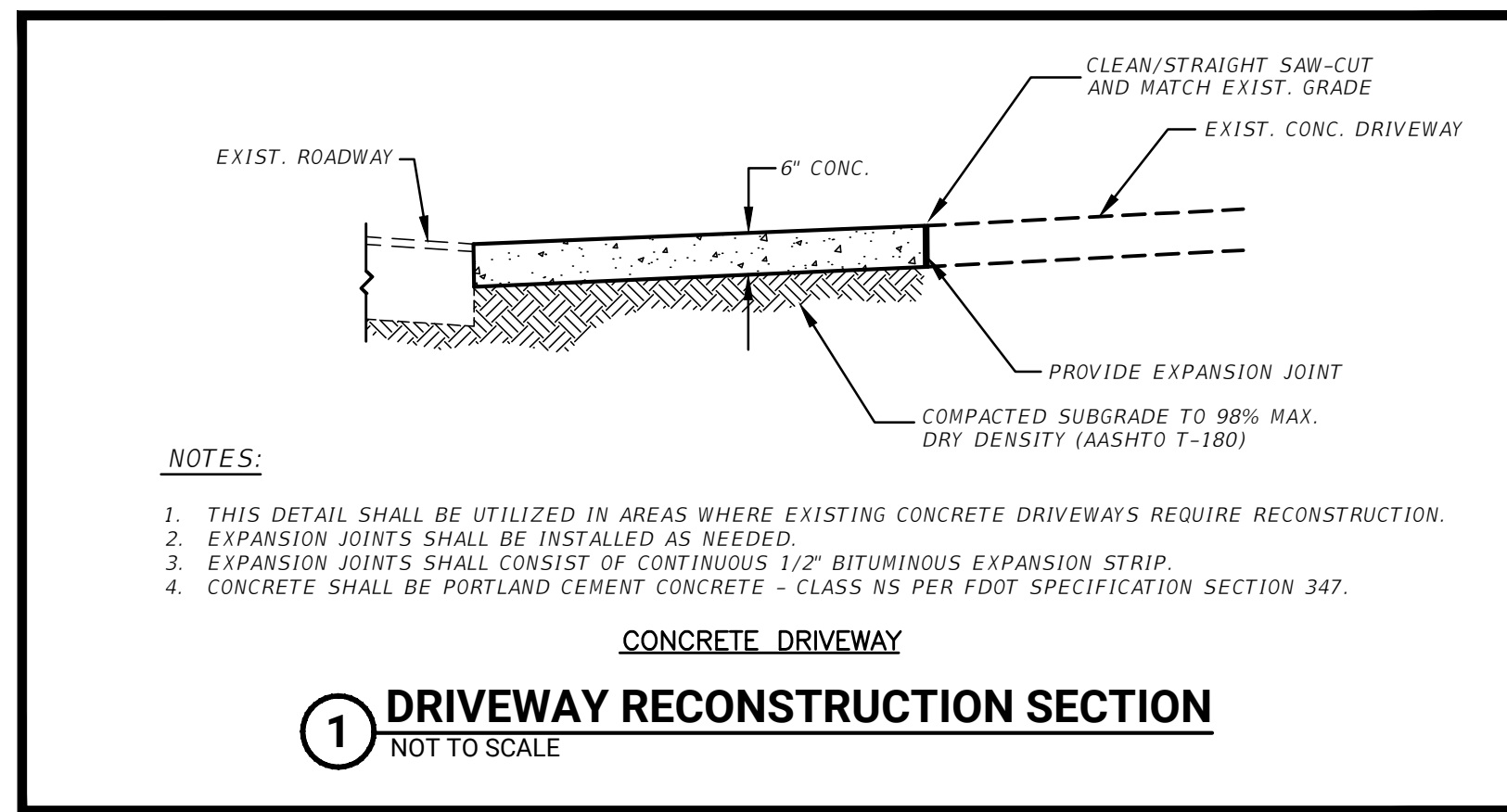
ADVANCED
ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158



CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

SECTIONS (GROVE TERRACE)

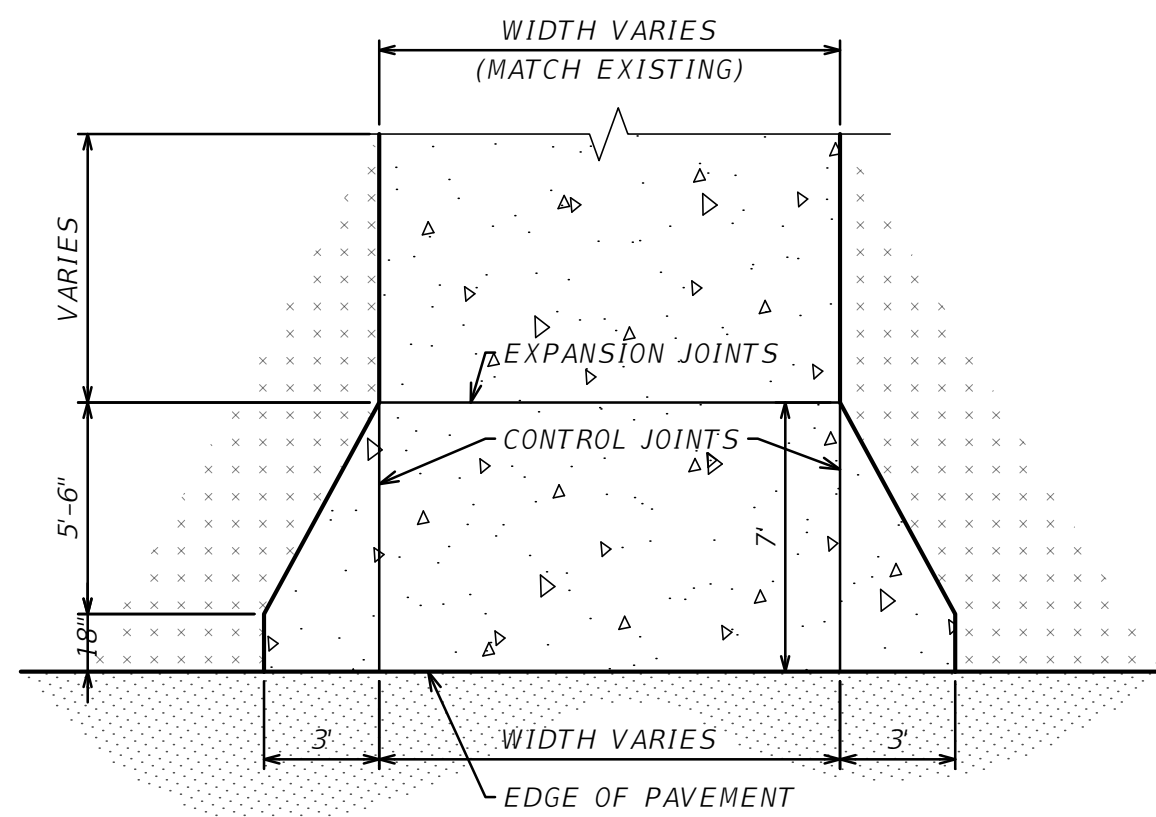
DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C10**



- NOTES:**
1. THIS DETAIL SHALL BE UTILIZED IN AREAS WHERE EXISTING CONCRETE DRIVEWAYS REQUIRE RECONSTRUCTION.
 2. EXPANSION JOINTS SHALL BE INSTALLED AS NEEDED.
 3. EXPANSION JOINTS SHALL CONSIST OF CONTINUOUS 1/2" BITUMINOUS EXPANSION STRIP.
 4. CONCRETE SHALL BE PORTLAND CEMENT CONCRETE - CLASS NS PER FDOT SPECIFICATION SECTION 347.

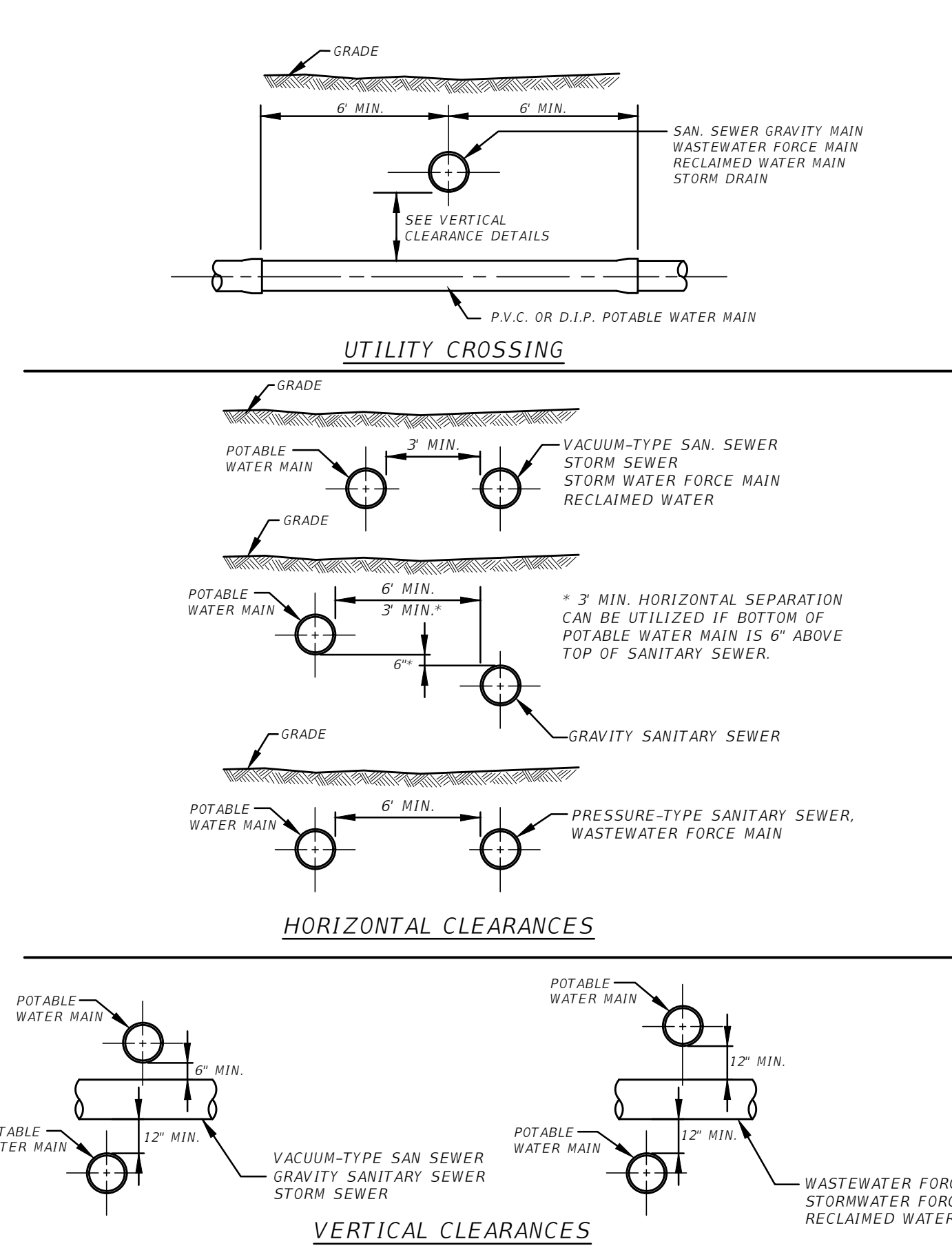
CONCRETE DRIVEWAY

1 DRIVEWAY RECONSTRUCTION SECTION
NOT TO SCALE

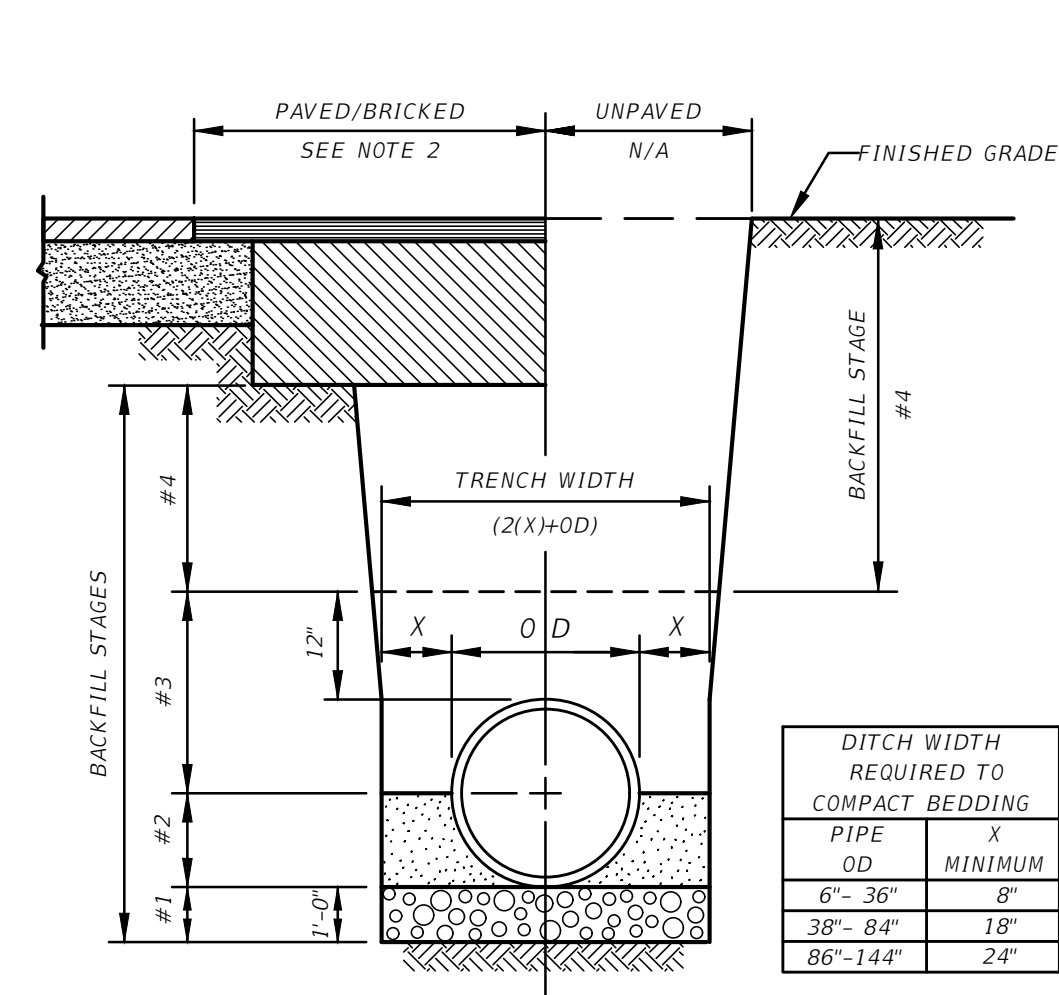


NOTE:
MATCH EXISTING DRIVEWAY WIDTH AT RIGHT-OF-WAY AND MAINTAIN WIDTHS TO EDGE OF PAVEMENT.

2 RESIDENTIAL DRIVEWAY DIMENSIONS
SCALE: 1"=5'



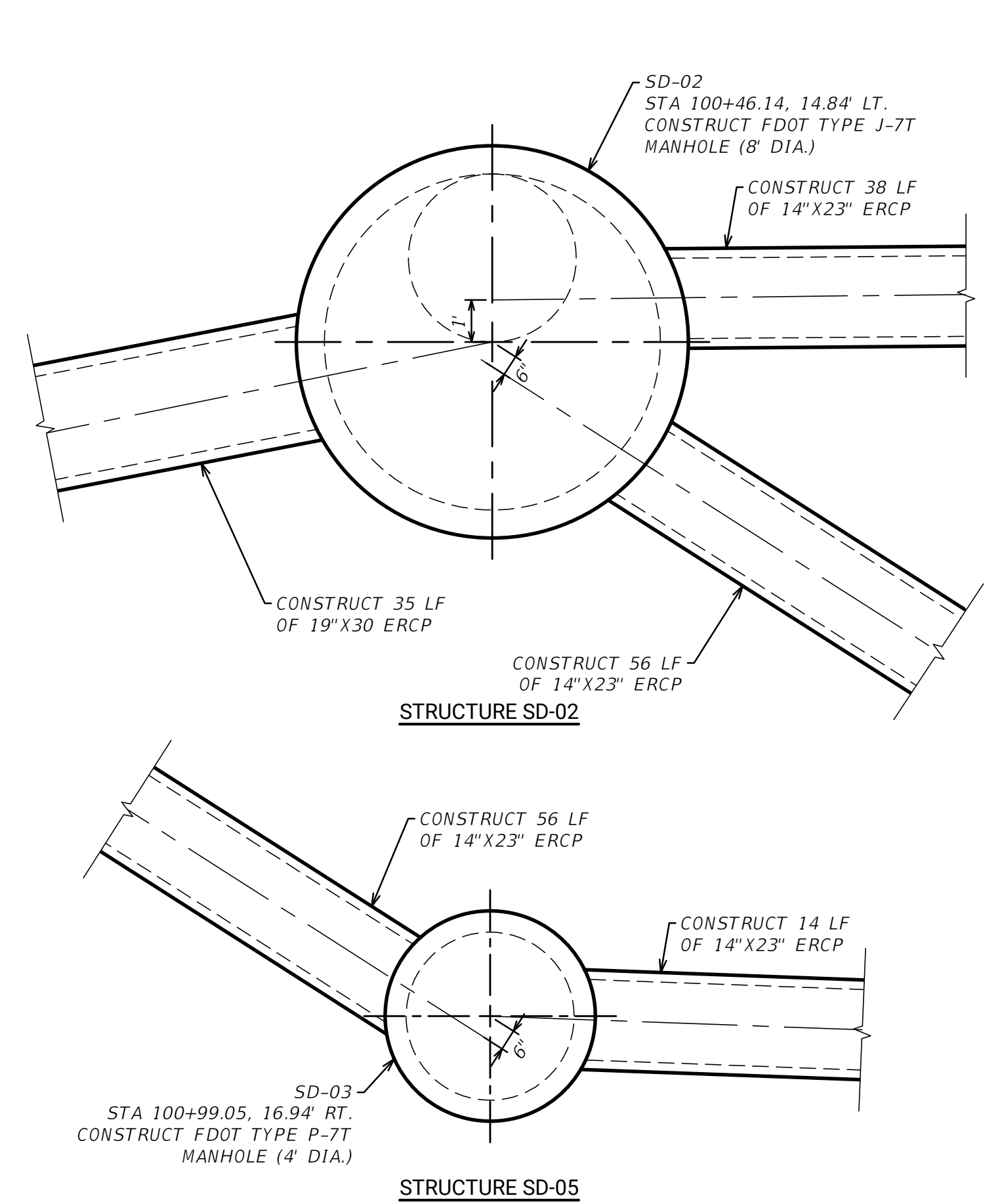
3 WATER MAIN AND SANITARY SEWER CLEARANCES
NOT TO SCALE



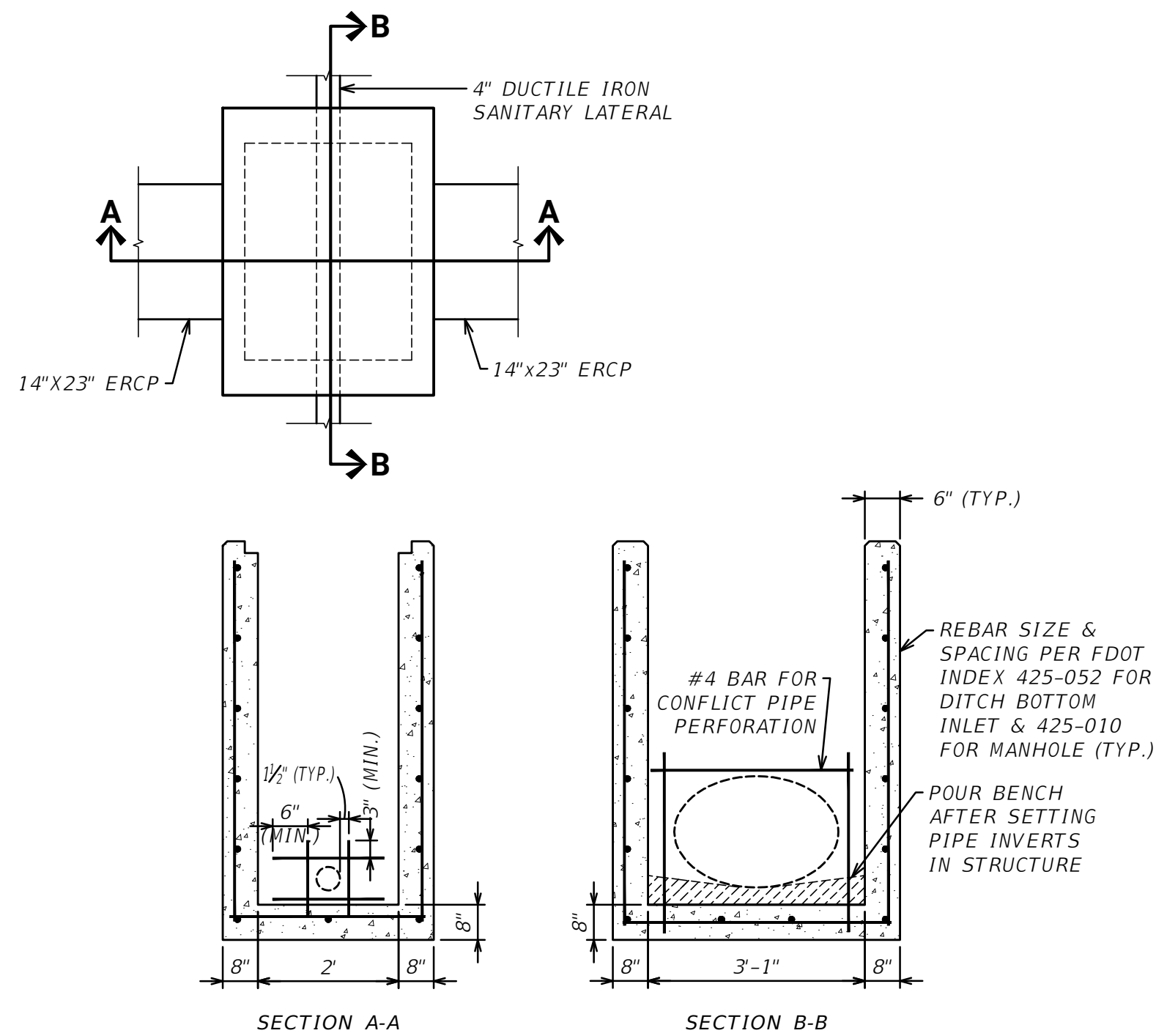
STAGE	MATERIAL
#1	BEDDING: WHERE DIRECTED GRANULAR MATERIAL (SAND, GRAVEL, OR RECLAIMED CONCRETE), WATERSTOP AT 100' INTERVALS.
#2	PIPE BEDDING: LOCAL SAND
#3	PIPE BACKFILL: LOCAL SAND TO 6" ABOVE TOP OF PIPE
#4	TRENCH BACKFILL: PAVED/BRICK SURFACE - IN 6" LIFTS UNPAVED ROAD - IN 6" LIFTS GRASS SURFACE - IN 12" LIFTS

- NOTES:**
1. ALL BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED AS PER SPECIFICATION.

4 PIPE BEDDING DETAIL
NOT TO SCALE

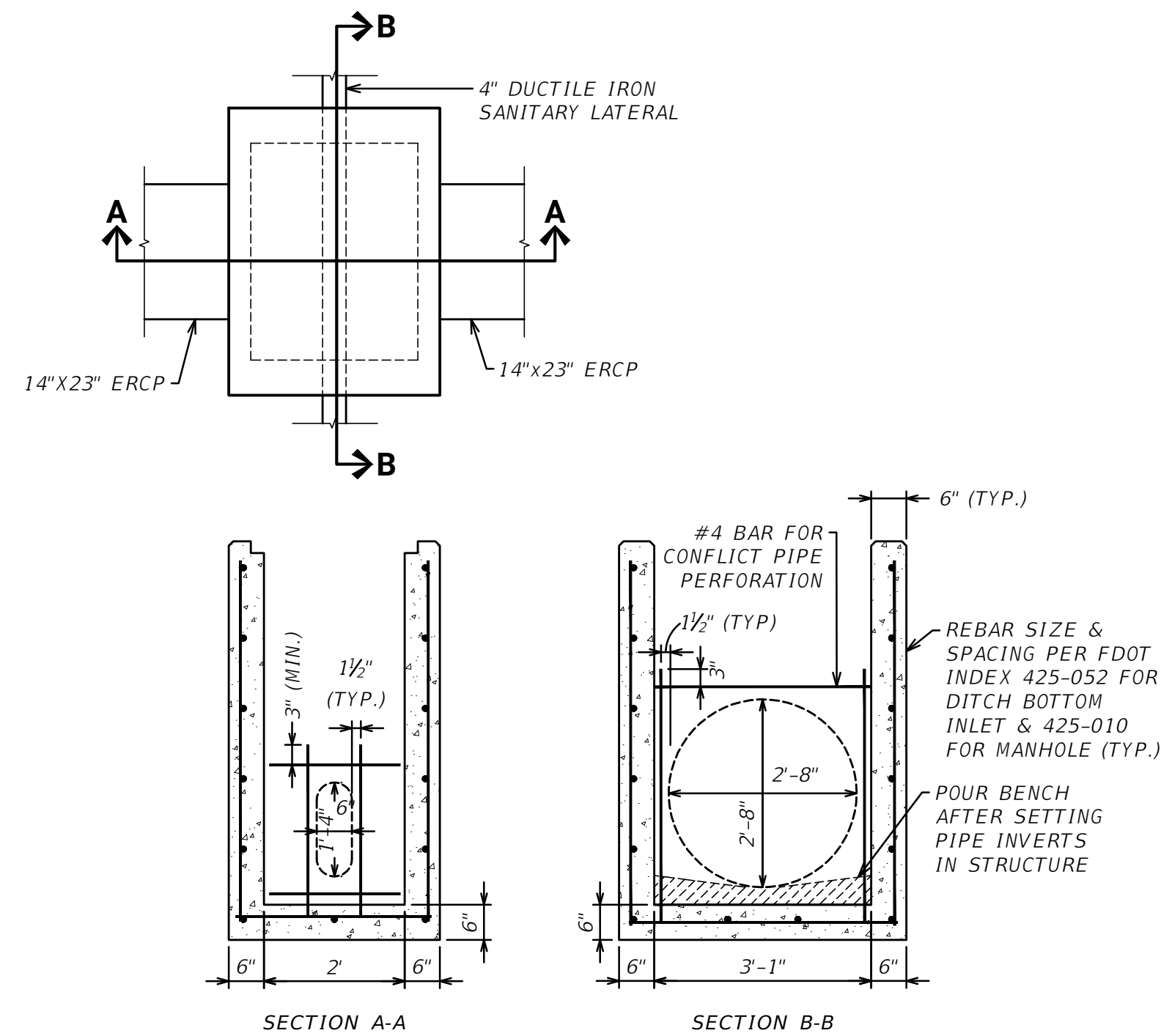


5 PIPE OFFSET AT STRUCTURE SD-02 & SD-05
SCALE: 1"=3'



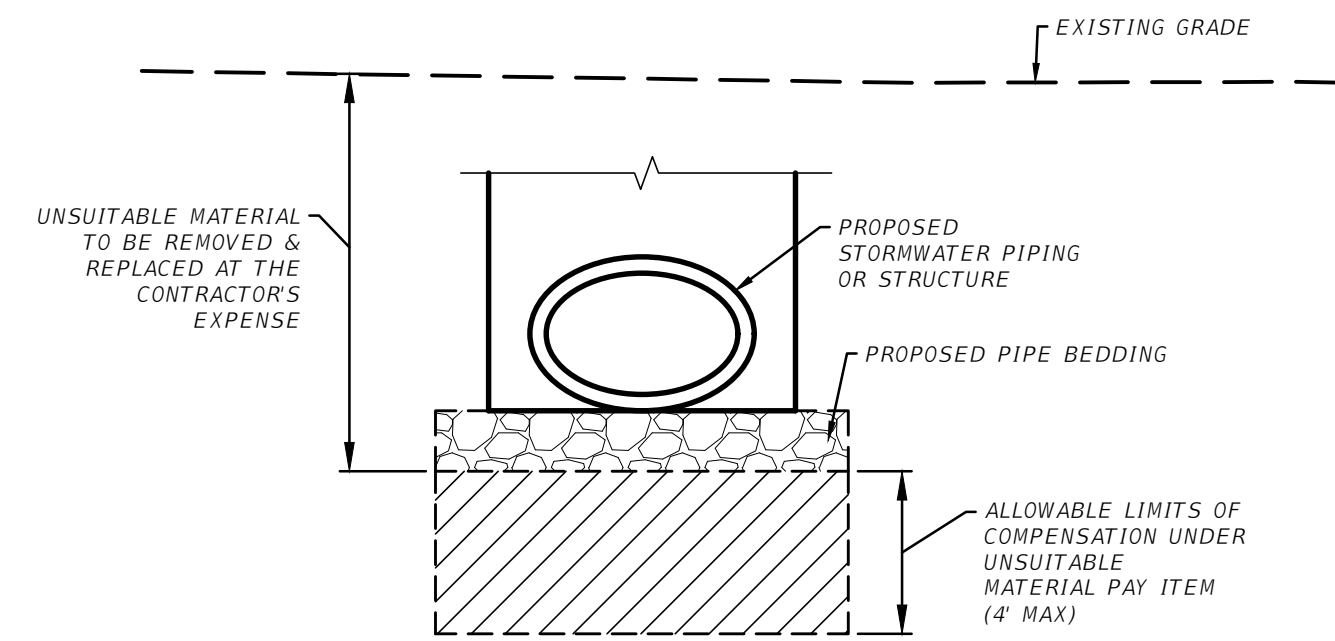
NOTE:
SEE FDOT INDEX 425-001 FOR DISTRIBUTION JOINT OPTIONS, REINFORCEMENT SPLICE DETAILS & TYPICAL SLAB TO WALL DETAILS.

6 CAST-IN-PLACE CONFLICT STRUCTURE (OPTION 1)
N.T.S.



- NOTE:
1. PIPE OPENINGS TO BE OVERSIZED VERTICALLY TO ALLOW FOR STRUCTURE PLACEMENT ADJUSTMENTS DUE TO POTENTIAL VARIANCES OF LATERAL LOCATIONS IN THE FIELD.
 2. IT IS RECOMMENDED THAT THE CONTRACTOR PERFORMS EXPLORATORY WORK TO VERIFY LOCATION & DEPTH OF ALL LATERALS PRIOR TO ORDERING STRUCTURES TO LIMIT THE PIPE OPENINGS.

7 PRECAST CONFLICT STRUCTURE (OPTION 2)
N.T.S.



- NOTES:**
1. PIPE LOCATION & ELEVATION IN RELATION TO THE EXISTING GRADE SHALL BE DETERMINED BY THE PLAN & PROFILE. PIPE LOCATION SEEN ABOVE IS SCHEMATIC IN NATURE.
 2. IF NEEDED, THE CONTRACTOR SHALL OBTAIN MATERIAL TESTING, AT NO COST TO THE CITY, TO DETERMINE SUITABILITY OF MATERIAL.

8 UNSUITABLE MATERIALS COMPENSATION LIMITS
N.T.S.

NO.	REVISIONS	BY	DATE

SCALE: AS SHOWN
DRAWN: S.A.T.
DESIGNED: R.S.K.
APPROVED: J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.
3931 68th AVENUE NORTH • PINELLAS PARK, FL 33781 • Phone: (727) 526-9158



CITY OF SEMINOLE
FY24 STORMWATER IMPROVEMENTS

GENERAL DETAILS

DATE: 7/01/2024
PROJECT NO: 24.SEM-29
SHEET NO: **C11**