SOLETA
AMENITY CENTER

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PRELIMINARY SITE PLAN, CONSTRUCTION PLAN, STORMWATER MANAGEMENT PLAN

SECTION 30, TOWNSHIP 26 SOUTH, RANGE 17 EAST
PASCO COUNTY, FLORIDA

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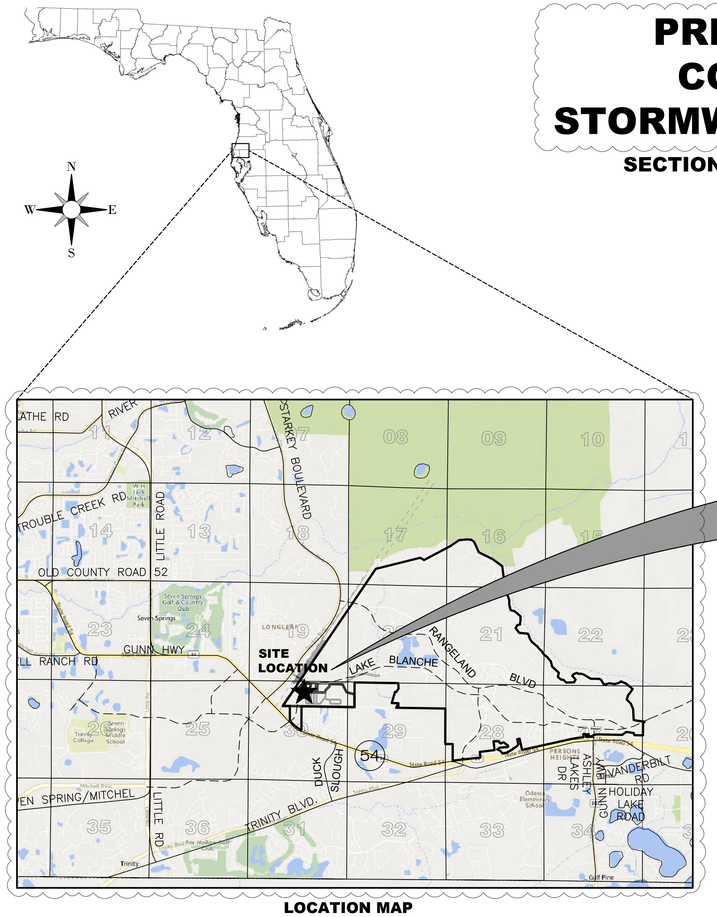
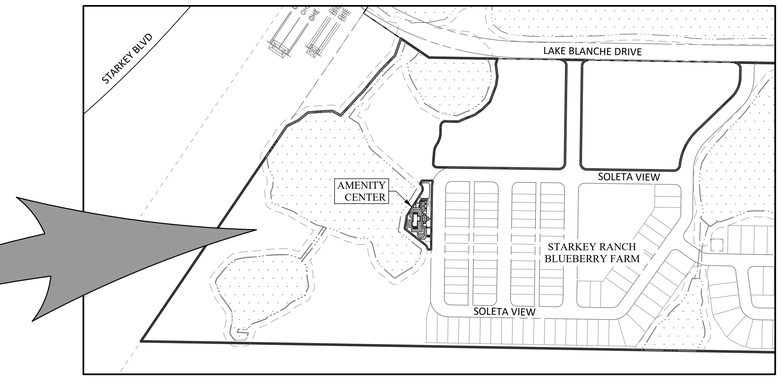


LOCATION MAP
(NOT TO SCALE)



SITE MAP
(NOT TO SCALE)

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DAVID WEEKLEY HOMES

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THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, STATE OF FLORIDA IN EFFECT AT THE TIME OF PASCO COUNTY APPROVAL, AND ARE IN COMPLIANCE WITH THE STANDARDS THEREIN EXCEPT AS NOTED ON THE PLANS. ANY DEVIATIONS NOTED ON THE PLANS SUBSTANTIALLY COMPLY WITH THE INTENT OF THE STANDARDS.

Sheet List Table

Sheet Number	Sheet Title
100 - GENERAL	
C-100	COVER SHEET
C-101	GENERAL NOTES
C-102	AERIAL SITE PLAN
C-103	EXISTING SITE CONDITIONS
C-104	SITE PLAN
300 - DRAINAGE	
C-300 - C-301	GRADING & DRAINAGE PLAN
C-302	STORM STRUCTURE, PIPE DATA, & SECTIONS
C-303	DRAINAGE DETAILS
400 - UTILITIES	
C-400	WATER & SEWER PLAN
600 - UTILITY DETAILS	
C-601 - C-602	WATER & SEWER DETAILS
900 - ENGINEERING ADDENDA	
C-900	CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

THE FOLLOWING SUPPLEMENTAL PLAN SHEETS WERE NOT PREPARED UNDER THE RESPONSIBLE CHARGE OF THE ENGINEER OF RECORD:

LANDSCAPE PLANS PREPARED BY:
HEIDT DESIGN, LLC

Sheet List Table

Sheet Number	Sheet Title
L-400	PERMIT LANDSCAPE PLAN COVER
L-400A	PERMIT LANDSCAPE CALCS & CHARTS
L-401	PERMIT LANDSCAPE PLAN
L-450	PERMIT LANDSCAPE DETAILS
L-451	PERMIT LANDSCAPE DETAILS
L-490	PERMIT PLAN SCHEDULE
L-491	PERMIT LANDSCAPE NOTES
L-492	PERMIT LANDSCAPE NOTES

1	10/30/2025	C-100,C-104,C-300 - 302,C-400,C-601,C-602 (NEW),C-900
	08/08/2025	REVIEW SUBMITTAL
	DATE	SHEET NO.

PLAN REVISIONS

	DATE	SHEET NO.

PLAN REVISIONS

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ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION: NAVD 88 TO NGVD 29 = +0.83

ADDRESS CONTROL NUMBER	
WATER COMMITMENT	
SEWER COMMITMENT	
SWFWMD	
WATER DEP	
SEWER DEP	
FOLIO	

PERMIT / FILE NUMBERS

STATE OF FLORIDA PROFESSIONAL ENGINEER

boyan v pargov

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BOYAN V. PARGOV
DATE:_____
LICENSE NO. **67706**

FILE:	COVER
PROJECT NO:	DWH-SR-1021

GRADING & DRAINAGE	
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

UTILITIES	
DESIGN BY:	S. MERION
DRAWN BY:	S. MERION

COVER SHEET

C-100

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

GENERAL EROSION AND TURBIDITY CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND TURBIDITY CONTROLS AND THE QUALITY AND QUANTITY OF DISCHARGES TO OFFSITE OR WETLANDS.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR HAVING A DEWATERING PLAN AND TURBIDITY CONTROL PLAN APPROVED BY THE APPLICABLE REVIEWING AGENCIES. REFER TO THE PROJECT'S PERMIT APPROVALS AND PERMIT CONDITIONS FOR AGENCIES REQUIRING SUCH REVIEW AND APPROVAL. QUESTIONS CONCERNING APPROPRIATE TECHNIQUES SHOULD BE ADDRESSED TO THOSE AGENCIES AND/OR DISCUSSED WITH THE PROJECT ENGINEER AND OWNER.
3. THE APPROPRIATE TURBIDITY AND EROSION CONTROL METHODOLOGIES SELECTED BY THE CONTRACTOR FOR THIS PROJECT SHOULD BE MADE FOLLOWING ASSESSMENT OF THE PLANS AND PROJECT SITE SPECIFIC FACTORS AND AFTER CONSULTATIONS, AS NEEDED, WITH THE PROJECT ENGINEER AND APPROPRIATE AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS FOR SUCH ACTIVITY; SEVERAL FACTORS TO CONSIDER ARE LISTED BELOW:
   - A. CLAY CONTENT IN EXCAVATED MATERIALS AND/OR PERMEABILITY RATES
   - B. DEPTH OF CUT IN PONDS, TRENCHES, OR UTILITY LINES
   - C. AMBIENT GROUND WATER LEVELS
   - D. ACTUAL RAINFALL AMOUNTS AND TIME OF YEAR RELATIVE TO NORMAL RAINY SEASON
   - E. PROXIMITY TO WETLANDS, WATER BODIES OR OFFSITE PROPERTIES
   - F. 'CLASS' DESIGNATION OF RECEIVING WATER BODIES (I.E., OUTSTANDING FLORIDA WATERS, SHELLFISH HARVESTING AREAS, ETC.)
   - G. DENSITY, TYPE, AND PROXIMITY OF UPLAND VEGETATION TO BE RETAINED DURING CONSTRUCTION (FOR USE AS POSSIBLE FILTRATION AREAS)
   - H. FILL HEIGHT RELATIVE TO NATURAL GRADE AND LENGTH AND STEEPNESS OF THE PROPOSED SLOPES
   - I. EXISTING TOPOGRAPHY AND DIRECTIONS OF SURFACE FLOW
   - J. TYPE OF EQUIPMENT USED
   - K. PROJECT TYPE
   - L. DURATION OF CONSTRUCTION ACTIVITIES
   - M. SEPARATION DISTANCE OF ONSITE PONDS
   - N. AMBIENT QUALITY OF SURFACE AND GROUNDWATER
   - O. TEMPORARY STOCKPILE LOCATIONS AND HEIGHTS
4. AT THE ONSET OF CONSTRUCTION, THE CONTRACTOR, AS THE PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN, SHALL ASSESS THE ABOVE DESCRIBED CONDITIONS AND FACTORS WITH RESPECT TO RELATIVE COST EFFECTIVENESS AND SELECT THE APPROPRIATE METHODS OF PROTECTION. A FAIRLY EXTENSIVE LIST OF TECHNIQUES ARE PRESENTED BELOW BUT IT MUST BE STRESSED THAT ANY OR ALL OF THE FOLLOWING MAY BE NECESSARY TO MAINTAIN WATER QUALITY AND QUANTITY STANDARDS. THE CONSTRUCTION SEQUENCING SHOULD BE THOUGHT OUT IN ADVANCE OF INITIATION TO PROVIDE ADEQUATE PROTECTION OF WATER QUALITY.
5. DISCHARGES WHICH EXCEED 29 N.T.U.'S OVER THE BACKGROUND LEVELS ARE IN VIOLATION OF STATE WATER QUALITY STANDARDS. DISCHARGES OF WATER QUANTITIES WHICH AFFECT OFFSITE PROPERTIES OR MAY DAMAGE WETLANDS ARE ALSO PROHIBITED BY REGULATING AGENCIES.
6. THE EROSION AND TURBIDITY CONTROL MEASURES SHOWN HEREON ARE THE MINIMUM REQUIRED FOR AGENCY APPROVAL. ADDITIONAL CONTROL AND MEASURES MAY BE REQUIRED DUE TO THE CONTRACTOR'S CONSTRUCTION SEQUENCE & UNFORESEEN WEATHER CONDITIONS. ANY ADDITIONAL MEASURES DEEMED NECESSARY BY THE SITE SUBCONTRACTOR SHALL BE INCLUDED IN THE LUMP SUM BID WITH NO EXTRAS FOR MATERIALS AND LABOR ALLOWED.
7. EROSION CONTROL SHALL BE INSTALLED PRIOR TO LAND CLEARING TO PROTECT WATER QUALITY AND TO IDENTIFY AREAS TO BE PROTECTED FROM CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
8. FLOATING TURBIDITY BARRIERS SHALL BE IN PLACE IN FLOWING SYSTEMS OR IN OPEN WATER POND OR LAKE EDGES PRIOR TO INITIATION OF EARTHWORK AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
9. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN ANY STORMWATER STORAGE FACILITY. IF CLAY OR SANDY-CLAYS ARE ENCOUNTERED DURING STORMWATER STORAGE EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND GEOTECHNICAL ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER EXCAVATION. IF THE ENGINEER OF RECORD HAS DETERMINED THAT SUCH SOILS ARE NON-CONFINING AND MUST BE EXCAVATED TO MEET PERMIT AND DESIGN CONDITIONS, EXCAVATION MAY PROCEED AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE APPROPRIATE GOVERNING AGENCY. IF SAID SOILS ARE LEFT EXPOSED AT THE PERMITTED AND DESIGNED DEPTH, THE SITE SUBCONTRACTOR SHALL OVER-EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF TWELVE (12") INCHES AND BACKFILL WITH CLEAN SANDS TO HELP PREVENT SUSPENSION OF FINE PARTICLES IN THE WATER COLUMN.
10. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
11. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL MAY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD GENERALLY BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.
12. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER SHALL BE TREATED PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE UPLAND VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, SEDIMENT FILTER BAGS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS OR LOW BERMS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
13. THE PERMITTEE SHALL SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED, ERODIBLE EARTH EXPOSED AT ANY ONE TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATION, AND THE DURATION OF EXPOSED, UNCOMPLETED CONSTRUCTION TO THE ELEMENTS SHALL BE AS SHORT AS PRACTICABLE. CLEARING AND GRUBBING SHALL BE SO SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATIONS CAN FOLLOW IMMEDIATELY THEREAFTER. GRADING OPERATIONS SHALL BE SO SCHEDULED AND PERFORMED THAT PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER IF CONDITIONS ON THE PROJECT PERMIT.
14. WATER DERIVED FROM VARIOUS DEWATERING METHODS USED WITH APPROVED PERMITTING SHOULD BE PASSED THROUGH SUFFICIENTLY WIDE AREAS OF EXISTING UPLAND VEGETATION, OR THROUGH THE USE OF SEDIMENT FILTER BAGS, TO FILTER OUT EXCESS TURBIDITY. IF THIS IS NOT SUFFICIENT, THE WATER SHALL BE RETAINED IN PREVIOUSLY CONSTRUCTED PERMANENT STORMWATER PONDS OR ELSE RETAINED IN TEMPORARY SEDIMENTATION BASINS UNTIL THE CLARITY IS SUITABLE TO ALLOW FOR ITS DISCHARGE. PLUGGING THE OUTFALLS FROM COMPLETED STORMWATER PONDS MAY BE NEEDED TO AVOID DISCHARGE. HOWEVER, SUCH SITUATIONS SHOULD BE MONITORED CLOSELY TO PRECLUDE BERM FAILURE IF WATER LEVELS RISE TOO HIGH.
15. WATER CAN BE TRANSPORTED AROUND THE SITE BY THE USE OF INTERNAL SWALES OR BY PUMPS AND PIPES.
16. SHEET FLOW OF NEWLY FILLED OR SCRAPED AREAS MAY BE CONTROLLED OR CONTAINED BY THE USE OF BRUSH BARRIERS, DIVERSION SWALES, INTERCEPTOR DITCHES OR LOW BERMS. FLOW SHOULD BE DIRECTED TOWARD AREAS WHERE SEDIMENTS CAN SUFFICIENTLY SETTLE OUT.
17. EXPOSED SOILS SHALL BE STABILIZED AS SOON AS POSSIBLE, ESPECIALLY SLOPES LEADING TO WETLANDS. STABILIZATION METHODS INCLUDING, BUT NOT LIMITED TO, SOLID SOD, SEEDING AND MULCHING OR HYDRO-MULCHING TO PROVIDE A TEMPORARY OR PERMANENT GRASS COVER, MULCH BLANKETS, AND FILTER FABRICS CAN BE EMPLOYED TO PROVIDE VEGETATIVE COVER.
18. ENERGY DISSIPATERS (SUCH AS RIP RAP, A GRAVEL BED, BALES, ETC.) SHALL BE INSTALLED AT THE DISCHARGE POINT OF PIPES OR SWALES IF SCOURING IS OBSERVED.
19. INSTALL ROADWAY CURB AND GUTTERS AS SOON AS POSSIBLE TO REDUCE THE SURFACE AREA FOR EROSION TO OCCUR.
20. IMPLEMENT STORM DRAIN INLET PROTECTION (BALES OR GRAVEL) TO LIMIT SEDIMENTATION WITHIN THE STORMWATER SYSTEM. PERFORM INSPECTIONS AND PERIODIC CLEANING OF SEDIMENTS WHICH WASH OUT INTO THE STREETS UNTIL ALL SOIL IS STABILIZED.
21. WATER DISCHARGE VELOCITIES FROM IMPOUNDED AREAS AND TEMPORARY SEDIMENTATION BASINS SHALL BE RESTRICTED TO AVOID SCOURING IN RECEIVING AREAS.
22. IF WATER CLARITY DOES NOT REDUCE TO STATE STANDARDS RAPIDLY ENOUGH IN HOLDING PONDS, IT MAY BE POSSIBLE TO USE CHEMICAL AGENTS SUCH AS ALUM TO FLOCCULATE OR COAGULATE THE SEDIMENT PARTICLES, SUBJECT TO APPROVED PERMITTING.
23. BALES, SILT SCREENS, OR GRAVEL BEDS CAN BE ADDED AROUND THE PIPE OR SWALE DISCHARGE POINTS TO HELP CLARIFY DISCHARGES. SPREADER SWALES MAY HELP DISSIPATE CLOUDY WATER PRIOR TO CONTACT WITH WETLANDS.
24. ALL FUEL STORAGE AREAS OR OTHER HAZARDOUS STORAGE AREAS SHALL CONFORM TO ACCEPTED STATE OR FEDERAL CRITERIA FOR SUCH CONTAINMENT AREAS.
25. VEHICLE OR EQUIPMENT WASHDOWN AREAS WILL BE SUFFICIENTLY REMOVED FROM WETLANDS OR OFFSITE AREAS.
26. FUGITIVE DUST CONTROLS (PRIMARILY BY USING WATER SPRAY TRUCKS) SHALL BE EMPLOYED AS NEEDED TO CONTROL WINDBORNE EMISSIONS.
27. IF THE ABOVE CONTROLS REMAIN INEFFECTIVE IN PRECLUDING RELEASE OF TURBID WATER, ESPECIALLY DURING POND OR UTILITY LINE DEWATERING, THEN THE CONTRACTOR MAY BE COMPELLED TO USE A VERTICAL DEWATERING SYSTEM SUCH AS WELL POINTS OR SOCK DRAINS TO WITHDRAW GROUNDWATER.
28. ONGOING INSPECTIONS AND PERIODIC MAINTENANCE BY THE SITE SUBCONTRACTOR SHALL OCCUR THROUGHOUT CONSTRUCTION AS NECESSARY TO INSURE THE ABOVE METHODS ARE WORKING SUITABLY. THIS MAY BE NEEDED DAILY, IF CONDITIONS SO WARRANT. CONTRACTORS ARE ENCOURAGED TO OBTAIN AND THOROUGHLY REVIEW THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT, WHICH WAS DEVELOPED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 1988. THIS PROVIDES FAIRLY IN-DEPTH DISCUSSIONS OF RECOMMENDED TECHNIQUES AND ALSO PROVIDES SPECIFIC DESIGN AND TECHNICAL STANDARDS. REVIEW AT HEIDT DESIGN, LLC.
29. THE CONTRACTOR WILL PERFORM DAILY INSPECTIONS OF ALL ON-SITE WETLANDS WITHIN THE CONSTRUCTION AREA TO ENSURE THAT WATER LEVELS WITHIN THOSE WETLANDS ARE NOT EXCESSIVELY IMPOUNDED PRIOR TO THE TIME WHEN THE PERMITTED CONTROL STRUCTURE OR OUTFALL IS BUILT. WATER LEVELS SIGNIFICANTLY ABOVE NORMAL SHOULD BE CORRECTED AT A FREQUENCY THAT PREVENTS A CHANGE IN THE VEGETATIVE CHARACTER OR HEALTH OF ANY WETLANDS
30. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL REMOVAL AFTER STABILIZATION.
31. AT A MINIMUM, ALL STORMWATER MANAGEMENT FACILITY BERMS AND SLOPES SHALL BE SODDED TO THE SEASONAL HIGH OR CONTROL WATER LINE AS APPLICABLE.
32. THE REQUIREMENT LISTED ABOVE SHALL BE CONSIDERED MINIMUM. THE CONTRACTOR SHALL USE ADDITIONAL METHODS AND BMP'S (BEST MANAGEMENT PRACTICES) TO PREVENT TURBIDITY AND EROSION.
33. PRIOR COMMENCEMENT OF CLEARING & GRUBBING OR ANY SOIL DISTURBANCE, CONTRACTOR SHALL COORDINATE WITH HEIDT DESIGN TO SCHEDULE AN EROSION CONTROL INSPECTION WITH THE MUNICIPALITY.

SOIL REUSE REQUIREMENTS

AT LEAST THE FOLLOWING SIX (6) TYPES OF MATERIALS ARE PRESENT ON-SITE THAT REQUIRE PROPER HANDLING/TREATMENT BY THE CONTRACTOR, DURING THE COURSE OF SITE DEVELOPMENT/CONSTRUCTION ACTIVITIES, IN ACCORDANCE WITH THE NOTED REUSE REQUIREMENTS FOR EACH TYPE. ALTHOUGH SOME SOIL MATERIAL QUALITY CONTROL TESTING WILL BE RANDOMLY AND PERIODICALLY PERFORMED BY THE PROJECT GEOTECHNICAL CONSULTANT, AS REQUIRED, WORKING FOR THE OWNER, IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO REUSE ONSITE SOIL MATERIALS AS DESCRIBED AND SPECIFIED BELOW. ALL DISCOVERED OR FUTURE FILLING OR MATERIAL REUSE WORK ONSITE NOT IN ACCORDANCE OR COMPLIANCE WITH THESE NOTES, OR ANY FUTURE ADVERSE IMPACTS OR CONSEQUENCES RESULTING FROM THE CONTRACTORS FAILURE TO PROPERLY REUSE SOIL MATERIALS ONSITE AS SPECIFICALLY DESCRIBED BELOW, WILL BE THE CONTRACTORS SOLE RESPONSIBILITY FOR REMEDY AND REPAIR AT HIS COST. IF THE CONTRACTOR HAS ANY QUESTIONS REGARDING ANY OF THE SOIL MATERIALS ONSITE, THE PROJECT GEOTECHNICAL REPORTS (WHICH HE NEEDS TO OBTAIN FROM THE OWNER OR GEOTECHNICAL CONSULTANT/ ENGINEER), OR ANY QUESTIONS ASSOCIATED WITH THE NOTES BELOW, IT IS PRESUMED THAT THE CONTRACTOR WILL SATISFACTORILY RESOLVE SUCH QUESTIONS/CONCERNS PRIOR TO SITE DEMOLITION, CLEARING, GRUBBING, STRIPPING AND EXCAVATION OPERATIONS BEGIN.

PLEASE NOTE, LOCAL, STATE AND FEDERAL RULES, LAWS, AND REGULATIONS PROHIBITING SOIL REUSE AS DESCRIBED BELOW SHALL TAKE PRECEDENCE AND SHALL BE FOLLOWED TO THE FULLEST EXTENT.

1. SITE DEMOLITION DEBRIS (SITE DEMOLITION DEBRIS, NOT GENERALLY CONSIDERED AN ENVIRONMENTAL/CONTAMINATION HAZARD, INCLUDES SUCH ITEMS AS WOOD PIECES, CONCRETE PIECES, PLASTIC PIPE PIECES, CERTAIN METAL/STEEL PIECES, OR SIMILAR. IF ANY SUCH DEBRIS OR OTHER DEMOLITION DEBRIS IS CONSIDERED AN ENVIRONMENTAL/CONTAMINATION HAZARD, OR IF BURIAL ONSITE OF SUCH MATERIALS IS PROHIBITED BY THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH MATERIALS SHALL BE HAULED OFF SITE BY THE CONTRACTOR FOR PROPER DISPOSAL, IN ACCORDANCE WITH ALL APPLICABLE GOVERNING ENVIRONMENTAL AGENCY REQUIREMENTS. IN NO CASE, SHALL ANY SUCH DEBRIS MATERIALS REMAIN, OR BE PLACED BY THE CONTRACTOR, BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING,PIPELINE, SLAB, ETC.)

ALL SITE DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE DEVELOPMENT AND DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE GOVERNING ENVIRONMENTAL AGENCY REQUIREMENTS.

2. CLEARING AND GRUBBING DEBRIS (SITE CLEARING AND GRUBBING DEBRIS INCLUDES ALL LARGER ORGANIC MATERIALS, SUCH ITEMS AS TREES, STUMPS, LIMBS, BRUSH, VEGETATION, OR SIMILAR; ALL SUCH MATERIALS MUST BE EITHER "BURNED" OR "MULCHED" BY THE CONTRACTOR PRIOR TO REUSE OR DISPOSAL ONSITE.)

IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH "BURNED" OR "MULCHED" SITE CLEARING/GRUBBING DEBRIS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ ENGINEER, COULD BE:

A). PLACED AS "MULCH" MATERIAL SURFACE DRESSING IN FUTURE LANDSCAPE AREAS, STOCKPILING OF SUCH"MULCHED" MATERIALS (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/GEOTECHNICAL CONSULTANT//LANDSCAPE ARCHITECT/ENGINEER;

B). PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH DEBRIS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE ADEQUATE SOIL MIXING (MIX SOIL WITH THE MULCH) AND THEN REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES;

C). PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND, BUT WILL REQUIRE ADEQUATE SOIL COVER;

D). PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, BUT WILL REQUIRE ADEQUATE SOIL COVER.

IN ALL INSTANCES, THE MINIMUM POND DEPTH (INCLUDING FLOODPLAIN AND WETLAND MITIGATION AREAS) SHALL BE NO LESS THAN REQUIRED BY THE ENGINEER.

ALL ORGANIC DEBRIS BURIAL AREAS IN STORMWATER POND AREAS AND FLOODPLAIN MITIGATION POND AREAS WILL REQUIRE ADEQUATE SOIL COVER OF 18 - 24 INCHES (WITH COMPACTION) BY THE CONTRACTOR, MEANING AT LEAST AN ADEQUATE WEIGHT/THICKNESS OF SOIL MATERIAL OVERTOP THE BURIED ORGANIC DEBRIS, SUCH THAT THERE WILL BE NO FUTURE FLOATING UP OF DEBRIS; AND FOR ALL ORGANIC DEBRIS BURIAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, AND PASSIVE RECREATION/PARK AREAS, ADEQUATE SOIL/MULCH MIXING (WITH COMPACTION) WILL BE NECESSARY BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, OR PARK/GRASSED AREA WILL OCCUR.

IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, OR PASSIVE RECREATION/PARK AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC DEBRIS DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC DEBRIS.

3. MUCK/PEAT ORGANIC MATERIALS (TYPICALLY GENERATED FROM WETLAND OR LOWLAND AREAS, OR SIMILAR AREAS, PERMITTED FOR IMPACT OR DISPLACEMENT, INCLUDING EXCAVATION OF UNSUITABLE ORGANIC MATERIALS AND REFILLING WITH SUITABLE SANDY SOILS TO ACCOMMODATE DEVELOPMENT; INCLUDES SIGNIFICANT ORGANIC PEAT MATERIALS, ORGANIC SANDY MUCK MATERIALS, AND MUCKY OR ORGANIC SAND MATERIALS, DESIGNATED EITHER PT OR A-8, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; THOSE ORGANIC MATERIALS WHOSE PRESENCE, OR PLACEMENT BY THE CONTRACTOR, IS UNACCEPTABLE BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING, PIPELINE, SLAB, ETC.)

IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH MUCK/PEAT (SIGNIFICANT) ORGANIC MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER,COULD BE:

A). PLACED AS "PEAT/MUCK/ORGANIC MATTER" SURFACE LAYER IN NEW OR CREATED WETLAND MITIGATION AREAS, STOCKPILING OF SUCH "SIGNIFICANT ORGANIC" MATERIALS (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/WETLAND CONSULTANT;

B). PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH ORGANIC MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE ADEQUATE SOIL MIXING (MIX SOIL WITH THE ORGANIC MATERIALS) AND THEN REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES;

C). PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND, BUT WILL REQUIRE ADEQUATE SOIL COVER;

D.) PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, BUT WILL REQUIRE ADEQUATE SOIL COVER.

ALL ORGANIC DEBRIS BURIAL AREAS IN STORMWATER POND AREAS AND FLOODPLAIN MITIGATION POND AREAS WILL REQUIRE ADEQUATE SOIL COVER (WITH COMPACTION) BY THE CONTRACTOR, MEANING AT LEAST AN ADEQUATE WEIGHT/THICKNESS OF SOIL MATERIAL OVERTOP THE BURIED ORGANIC DEBRIS, SUCH THAT THERE WILL BE NO FUTURE FLOATING UP OF DEBRIS; AND FOR ALL ORGANIC DEBRIS BURIAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, AND PASSIVE RECREATION/PARK AREAS, ADEQUATE SOIL/ORGANICS MIXING (WITH COMPACTION) WILL BE NECESSARY BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, OR PARK/GRASSED AREA WILL OCCUR.

IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, OR PASSIVE RECREATION/PARK/LANDSCAPE BERM AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC MATERIAL DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC MATERIALS.

4. TOPSOILS/SITE STRIPPINGS (TYPICALLY GENERATED FROM UPLAND AREAS, AFTER DEMOLITION/CLEARING/GRUBBING/DISCING OPERATIONS; STRIPPING OF SURFICIAL ORGANICS/TOPSOILS BEING A REQUIREMENT OVER AT LEAST ALL STRUCTURE, BUILDING, CONCRETE SLAB AND PAVEMENT AREAS PRIOR TO FILLING TO ACCOMMODATE DEVELOPMENT; INCLUDES TOPSOILS AND ORGANIC LADEN SANDS; THOSE TOPSOILS/ORGANIC SAND MATERIALS WHOSE PRESENCE, OR PLACEMENT BY THE CONTRACTOR, IS UNACCEPTABLE BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING, PIPELINE, SLAB, ETC.)

IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, ALL SUCH TOPSOILS/ORGANIC LADEN SAND MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:

A). PLACED AS FILL IN NEW (LARGER) LANDSCAPE/GRASS COMMON AREAS OR LANDSCAPE BERM AREAS (WITH COMPACTION), STOCKPILING OF SUCH "TOPSOILS/ORGANIC LADEN SAND MATERIALS" (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/LANDSCAPE CONSULTANT;

B). PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH TOPSOILS/ORGANIC LADEN SAND MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES;

C). PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND;

D.) PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH.

ALL TOPSOIL/ORGANIC LADEN SAND DISPOSAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE/BERM AREAS WILL REQUIRE ADEQUATE COMPACTION BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, PARK/GRASSED AREA, OR LANDSCAPE BERM WILL OCCUR.

IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE BERM AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC DEBRIS DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC DEBRIS.

5. NON-STRUCTURAL CLAYEY SAND/CLAY MATERIALS (TYPICALLY GENERATED FROM POND/LAKE EXCAVATIONS OR FROM UTILITY PIPELINE/MANHOLE EXCAVATIONS; SUCH CLAYEY SAND/CLAY MATERIALS, WITH TYPICALLY 40% FINES OR MORE PASSING THE NO. 200 SIEVE, DESIGNATED EITHER SC, CL, CH OR A-4 TO A-7, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; SUCH CLAYEY SAND/CLAY MATERIALS BEING UNSUITABLE OR UNACCEPTABLE FOR REUSE BY THE CONTRACTOR AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL.)

IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, ALL SUCH CLAYEY SAND/CLAY MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:

A). PLACED AS FILL IN NEW (LARGER) LANDSCAPE/GRASS COMMON AREAS OR LANDSCAPE BERM AREAS (WITH COMPACTION), PROVIDE SOME SURFACE DRAINAGE RELIEF, USE WHERE INFILTRATION AND DRAINAGE IS NOT AN IMPORTANT ISSUE, PROVIDE SOME SURFACE SANDY SOILS (MIN. OF 18-INCHES) AS DIRECTED BY THE LANDSCAPE CONSULTANT FOR PLANTING; STOCKPILING OF SUCH "CLAYEY SAND/CLAY MATERIALS" (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/LANDSCAPE CONSULTANT;

B). PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH CLAYEY SAND/CLAY MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES, AND THE TOP 2 FEET (MIN.) BEING SAND MATERIALS (NOT CLAYEY MATERIALS) FOR TURBIDITY CONTROL AND PLANTING;

C). PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND; HOWEVER, A 12-INCH LAYER (MIN.) OF SAND MATERIAL OVERTOP THE CLAYEY MATERIALS WILL BE NECESSARY FOR TURBIDITY CONTROL.

D.) PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, HOWEVER, A 12-INCH LAYER (MIN.) OF SAND MATERIAL OVERTOP THE CLAYEY MATERIALS WILL BE NECESSARY FOR TURBIDITY CONTROL.

ALL CLAYEY SAND/CLAY DISPOSAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE/BERM AREAS WILL REQUIRE ADEQUATE COMPACTION BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, PARK/GRASSED AREA, OR LANDSCAPE BERM WILL OCCUR.

IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE BERM AREAS THEY PROPOSE TO USE FOR THIS TYPE OF CLAYEY SAND/CLAY DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE CLAYEY MATERIALS.

6.) STRUCTURAL SAND FILL MATERIALS (TYPICALLY GENERATED FROM POND/LAKE EXCAVATIONS, CUT FROM HIGHER ELEVATION AREAS, OR FROM UTILITY PIPELINE/MANHOLE EXCAVATIONS; SUCH SAND MATERIALS, WITH TYPICALLY 35% FINES OR LESS PASSING THE NO. 200 SIEVE, DESIGNATED EITHER SP, SP-SM, SM OR A-2-4, A-2-6 OR A-3, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; SUCH SAND MATERIALS BEING SUITABLE OR ACCEPTABLE FOR REUSE BY THE CONTRACTOR AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL.)

ALL SUCH SAND MATERIALS SHALL BE REUSED ONSITE BY THE CONTRACTOR, PER THE GEOTECHNICAL REPORTS, AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL; PLACED BY THE CONTRACTOR IN LOOSE LIFTS NOT EXCEEDING 12-INCHES, COMPACTED TO AT LEAST 95% OR 98% MODIFIED PROCTOR (PER ASTM D-1557 OR AASHTO T-180), WHICHEVER IS APPLICABLE DEPENDING UPON THE FUTURE USE OF THE FILLED AREA (SEE GEOTECHNICAL REPORTS); WITH DENSITY TESTING OF EACH FILL LIFT FOR ACCEPTANCE BY THE GEOTECHNICAL CONSULTANT, UPON CONTRACTOR REQUEST, PRIOR TO THE NEXT FILL LIFT BEING PLACED.

STREET & DRAINAGE CONSTRUCTION NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER OR OWNER A COPY OF ALL PERTINENT PERMITS RELATED TO THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE CONDITIONS OF ALL PERMITS AND APPROVALS. CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING HIS DEWATERING PLAN APPROVED BY SWFWMD AND PERMITTED BY FDEP.
2. ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH PASCO COUNTY LAND DEVELOPMENT CODE AND FDOT SPECIFICATIONS, LATEST EDITIONS.
3. SOD ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION. IN THE PROPOSED RIGHTS-OF-WAY, A 16" WIDE AREA BEHIND THE BACK OF CURB SHALL BE SOLID SODDED. THE REMAINDER OF THE PROPOSED RIGHTS-OF-WAY TO BE SEEDED AND MULCHED IF THE SLOPE IS GREATER THAN 6:1 OR FLATTER
4. IN ACCORDANCE WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT (CHAPTER 556, F.S.), THE CONTRACTOR SHALL CALL THE SUNSHINE STATE ONE CALL OF FLORIDA (SSCOF) AT 1-800-432-4770 FORTY EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION.
5. SUITABLE FILL OBTAINED THROUGH EXCAVATION OF STREETS AND DETENTION PONDS SHALL BE PLACED ON LOTS AND ADJACENT LAND IN ACCORDANCE WITH THE MASTER DRAINAGE AND GRADING PLAN AS DIRECTED BY THE ENGINEER.
6. SOD/SEED & MULCH SHALL BE PLACED IN ACCORDANCE WITH APPLICABLE CITY/COUNTY STANDARDS AS WELL AS IN ACCORDANCE WITH STANDARD AND SPECIFIC CONDITIONS IN THE SWFWMD PERMIT, IF APPLICABLE. AT A MINIMUM THIS SHALL INCLUDE SODDING OF ALL POND EMBANKMENTS OF A SLOPE 4:1 OR GREATER TO THE NORMAL WATER LINE, AS WELL AS SEEDING AND MULCHING OF THE BALANCE OF THE POND TRACTS (INCLUDING POND BERMS, EXCLUDING THE AREA BELOW NW), SODDING AT A MINIMUM OF 16" FROM THE BACK OF CURB, AND SEEDING AND MULCHING OF ANY PROJECT AREA WITH A SLOPE OF FLATTER THAN 4:1.
7. SITE CLEARING SHALL BE PERFORMED PER THE APPROVED CONSTRUCTION PLANS AND IN ACCORDANCE WITH PASCO COUNTY LAND DEVELOPMENT CODE. INSTALLATION AND MAINTENANCE OF THE REQUIRED BARRICADING AND EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE SITE DEVELOPMENT CONTRACTOR UNLESS OTHERWISE DESIGNATED.
8. PRIOR TO BEGINNING CONSTRUCTION, SITE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY INVERTS TO WHICH A TIE-IN IS PROPOSED AND VERIFY THE ELEVATION AND ADEQUACY OF ANY REPORTED INVERTS. ALL DIFFERENCES SHALL BE REPORTED TO THE ENGINEER OF RECORD IN WRITING PRIOR TO CONSTRUCTION.
9. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE SITE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
10. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.
11. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE COUNTY.
12. ALL EROSION CONTROL INSTALLATION AND INSTALLATION COORDINATION SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR. HEIDT DESIGN, IF CONTRACTED BY THE OWNER, WILL COORDINATE THE STAKING OF THE ALIGNMENT OF THE PROPOSED EROSION CONTROL AND SHALL LIMIT ITS RESPONSIBILITY AND COORDINATION AT THAT POINT. BE ADVISED THAT THE CONSTRUCTION APPROVAL AND MAINTENANCE OF THE EROSION CONTROL SHALL BE THE SOLE RESPONSIBILITY OF THE SITE CONTRACTOR.

ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.83

HEIDT DESIGN
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SOLETA
AMENITY CENTER

GENERAL NOTES

PREPARED FOR: DAVID WEEKLEY HOMES

DATE	DESCRIPTION
05/27/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	GNOTES
DESIGN BY:	DR DESIGN
DRAWN BY:	DR DRAWN

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

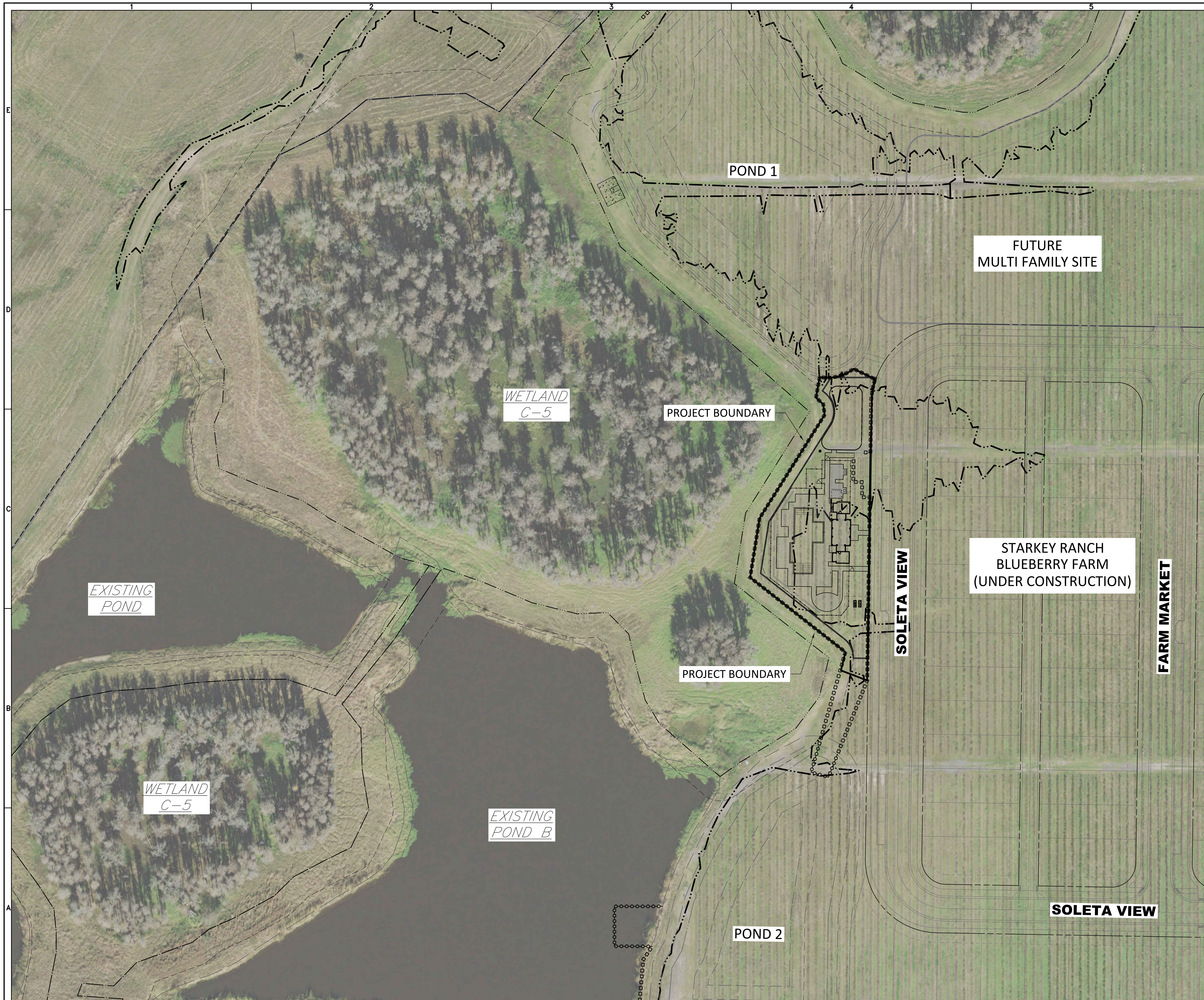
This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

ERIC N. FRANCIS
DATE:
LICENSE NO. 84230

C-101

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\GNOTES.DWG-C-101 2026/03/10 9:39 AM CAMRON JOHNSON



N

0 50 100

GRAPHIC SCALE: 1" = 50'

ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.83

LEGEND

- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- FEMA LINE
- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE
- STAKED EROSION CONTROL (SWFWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- CONCRETE
- BRICK PAVERS
- GRAVEL PAVERS

LEGAL DESCRIPTION:

A PARCEL OF LAND LYING IN SECTIONS 1 AND 2, TOWNSHIP 27 SOUTH, RANGE 20 EAST, HILLSBOROUGH COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SEC 01 RUN THN ALG THE NORTH BOUNDARY OF SD SEC 01 N 89 DEG 54 MIN 26 SEC E A DISTANCE OF 3733.04 FT TO A POINT ON THE WESTERLY MAINTAINED ROW LINE OF MORRIS BRIDGE ROAD THN ALG SD WESTERLY MAINTAINED ROW LINE RUN S 45 DEG 02 MIN 34 SEC W A DISTANCE OF 159.66 FT THN S 44 DEG 47 MIN 03 SEC W A DISTANCE OF 174.36 THN S 36 DEG 08 MIN 20 SEC W A DISTANCE OF 202.51 FT THN S 35 DEG 52 MIN 13 SEC W A DISTANCE OF 1066.99 FT THN S 36 DEG 56 MIN 13 SEC W A DISTANCE OF 1236.73 FT THN S 35 DEG 13 MIN 15 SEC W A DISTANCE OF 934.91 FT THN N 54 DEG 46 MIN 45 SEC W A DISTANCE OF 149.90 FT THN S 81 DEG 35 MIN 00 SEC W A DISTANCE OF 389.24 FT THN SOUTHWESTERLY 119.99 FT ALG THE ARC OF A TANGENT CURVE TO LEFT HAVING A RADIUS OF 125 FT CHORD BEARING S 54 DEG 05 MIN 00 SEC W 115.44 FT THN S 26 DEG 35 MIN 00 SEC W A DISTANCE OF 176.41 FT THN SOUTHWESTERLY 204.79 FT ALG THE ARC OF TANGENT CURVE TO RIGHT HAVING A RADIUS OF 175 FT CHORD BEARING S 60 DEG 06 MIN 30 SEC W 193.31 FT THN N 86 DEG 22 MIN 00 SEC W A DISTANCE 70.76 FT THN SOUTHWESTERLY 72.54 FT ALG THE ARC OF TANGENT CURVE TO LEFT HAVING A RADIUS OF 75 CHORD BEARING S 65 DEG 55 MIN 30 SEC W THN THN S 38 DEG 13 MIN 00 SEC W 330.65 FT THN WESTERLY 149.50 FT ALG THE ARC OF CURVE TO RIGHT HAVING A RADIUS OF 140 FT CHORD BEARING S 68 DEG 48 MIN 30 SEC W 142.50 FT THN N 80 DEG 36 MIN 00 SEC W A DISTANCE OF 116.99 FT THN N 52 DEG 49 MIN 14 SEC W A DISTANCE OF 103.07 FT THN S 37 DEG 10 MIN 46 SEC W A DISTANCE OF 266.64 FT THN S 14 DEG 29 MIN 35 SEC W A DISTANCE OF 129.14 THN S 08 DEG 40 MIN 00 SEC W A DISTANCE OF 31.59 FT THN N 81 DEG 20 MIN 00 SEC W A DISTANCE OF 194.49 FT THN N 21 DEG 43 MIN 28 SEC W A DISTANCE OF 40.61 FT THN N 54 DEG 54 MIN 23 W 48.16 FT THN N 57 DEG 17 MIN 25 SEC W A DISTANCE 55.49 FT THN N 26 DEG 45 MIN 55 SEC W A DISTANCE OF 57.93 FT THN N 23 DEG 51 MIN 48 SEC W A 88.21 FT THN N 29 DEG 57 MIN 18 SEC W A DISTANCE OF 116.02 FT THN N 68 DEG 06 MIN 51 SEC W 68.74 FT THN S 87 DEG 31 MIN 12 SEC W A DISTANCE OF 96.32 FT THN S 69 DEG 43 MIN 47 SEC W A DISTANCE OF 68.11 FT THN S 70 DEG 02 MIN 11 SEC W A DISTANCE 110.64 FT THN S 83 DEG 34 MIN 56 SEC W A DISTANCE OF 102.73 FT THN N 62 DEG 48 MIN 49 SEC W A DISTANCE OF 57.83 FTTHN N 84 DEG 10 MIN 18 SEC W A DISTANCE OF 77.04 FT THN SOUTHERLY 755.64 FT ALG ARC OF TANGENT CURVE TO RIGHT HAVING A RADIUS OF 1975 FT THN CHORD BEARING S 16 DEG 47 MIN 21 SEC W A DISTANCE OF 751.04 FT THN S 27 DEG 45 MIN 00 SEC W A DISTANCE OF 72.29 FT THN SOUTHERLY 39.82 FT THN ARC OF CURVE TO LEFT HAVING A RADIUS OF 25 FT CHORD BEARING S 17 DEG 52 MIN 30 SEC E A DISTANCE OF 35.74 FT ALG A LINE LYING 15 FT NORTHEASTERLY BOUNDARY OF EASTON PARK PHASE 1 PLAT BOOK 110 PAGE 203 RUN THN N 63 DEG 30 MIN 00 SEC W A DISTANCE OF 36.75 FT THN NORTHWESTERLY 164.70 FT ALG ARC OF CURVE TO RIGHT HAVING A RADIUS OF 2925 FT CHORD BEARING N 61 DEG 53 MIN 13 SEC W 164.67 FT TO A POINT ON CUSP ON THE EASTERLY BOUNDARY OF EASTON PARK PHASE 3 PLAT BK 115 PG 104 THN ALG SD EASTERLY BOUNDARY RUN EASTERLY 40.13 FT ALG ARC OF TANGENT CURVE TO LEFT HAVING A RADIUS OF 25 FT CHORD BEARING N 73 DEG 44 MIN 17 SEC E 35.96 THN N 27 DEG 45 MIN 00 SEC E A DISTANCE OF 72.05 RUN THN NORTHERLY 1011.31 FT ALG ARC TANGENT CURVE TO LEFT HAVING A RADIUS OF 1825 FT CHORD BEARING N 11 DEG 52 MIN 30 SEC E 998.42 FT THN N 04 DEG 00 MIN 00 SEC W 863.39 THN TO THE NORTHEASTERLY CORNER EASTON PARK PHASE 3 THN ALG THE NORTHERLY BOUNDARY OF SD EASTON PARK PHASE 3 THN N 54 DEG 20 MI 09 SEC W 1662.69 THN S 87 DEG 02 MIN 29 SEC W 858.59 THN N 10 DEG 54 MIN 57 W DISTANCE 796.06 THN N 07 DEG 20 MIN 35 SEC E A DISTANCE OF 694.07 FT TO A PT ON THE NORTH BOUNDARY OF NW 1/4 OF AFORESAID SEC 2 THN ALG THE NORTH BOUNDARY N 89 DEG 56 MIN 34 SEC E A DISTANCE OF 1377.89 TO THE NORTHWEST CORNER OF NE 1/4 OF SEC 2 THN ALG THE NORTH BOUNDARY THEREOF N 89 DEG 56 MIN 12 SEC E A DISTANCE OF 2674.84 FT TO THE POINT OF BEGINNING.

CONTAINING 58.713 ACRES, MORE OR LESS.

NOTE:
THIS EXHIBIT WAS PREPARED FOR ILLUSTRATIVE PURPOSES ONLY. THE LATEST AVAILABLE DIGITAL AERIAL FILES HAVE BEEN USED HOWEVER THIS MAY NOT ACCURATELY DEPICT CURRENT SITE CONDITIONS. ADDITIONAL ENGINEERING, ENVIRONMENTAL REVIEWS, FIELD SURVEYING AND DATA COLLECTION ARE NECESSARY TO CORRECTLY PORTRAY ACTUAL SITE CONDITIONS. THIS EXHIBIT IS SUBJECT TO CHANGE WITHOUT NOTICE BASED ON THE ABOVE.

DATE OF PHOTO: 2017

HEIDT DESIGN
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Ecological Services • Landscape Architecture
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SOLETA AMENITY CENTER

AERIAL SITE PLAN

PREPARED FOR: DAVID WEEKLEY HOMES

DATE	DESCRIPTION
08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	ASP
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-102

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\ASP.DWG-C-102 2026/03/10 9:40 AM CAMRON JOHNSON

ZONE AE

WETLAND C-5
CATEGORY III
5.68 AC

EXISTING
POND 2
TOPB=36.1
DHW_{100}=35.2
DHW_{25}=34.8
DLW=33.5
DNW=33.0
BOTB=20.2

EXISTING
POND 1
TOPB=36.1
DHW_{100}=35.5
DHW_{25}=34.9
DLW= 33.5
DNW= 33.0
BOTB=19.9

Exist. STR. # 76
DBL VALLEY GUTTER INLET
Rim El. 35.50
INV. E (18) 31.50
INV. S (18) 30.90

Exist. STR. # 74
MES 36" HP
INV. SE (36) 24.00

Exist. STR. # 73
TYPE 1 CURB INLET
Rim El. 35.78
INV. NE (24) 25.20
INV. E (18) 30.80
INV. NW (36) 24.10

Exist. STR. # 75
TYPE 1 CURB INLET
Rim El. 35.68
INV. W (18) 31.70

Exist. STR. # 72
TYPE 1 CURB INLET
Rim El. 35.78
INV. W (18) 30.90

Exist. STR. # 71
TYPE 2 CURB INLET
Rim El. 36.14
INV. E (18) 25.80
INV. SW (24) 25.30

Exist. Son. MH D3
Rim El. 36.10
Inv. N (8") = 30.43
Inv. S (8") = 30.33

Exist. Son. MH D4
Rim El. 35.94
Inv. S (8") = 31.85

EXIST. 5' SIDEWALK

EXIST. 5' TRAIL

EXIST. 6" SANITARY SEWER LATERAL

EXIST. 6" SANITARY SEWER LATERAL

EXIST. BIKE RACK

EXIST. MAIL KIOSK

EXIST. CONC.

10.0' UTILITY EASEMENT

Ex. 2" PVC WM

Ex. 6" PVC RM

Ex. 8" PVC (SM)

Ex. 8" PVC WM

Ex. FH ASSEMBLY

Ex. 18" HP

Ex. 24" HP

Ex. 36" HP

SOLETA VIEW

ZONE X

ZONE AE

STARKEY RANCH
BLUEBERRY FARM
(UNDER CONSTRUCTION)

UDCO

N

0 20 40
GRAPHIC SCALE: 1" = 20'

ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION: NAVD 88 TO NGVD 29 = +0.83

THIS PROJECT LIES WITHIN FLOOD ZONE "A" & "X" ACCORDING TO FLOOD INSURANCE RATE MAPS FOR PASCO COUNTY, FLORIDA, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) - FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12101C0360F DATED SEPTEMBER 26, 2014 AND ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

LEGEND

- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- FEMA LINE
- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE
- 100 YR FLOOD PLAIN LIMITS
- 15 EXISTING CONTOUR

HEIDT DESIGN
Civil Engineering • Planning & GIS
Transportation Engineering
Ecological Services • Landscape Architecture
Landscape Architecture Certificate of Authorization No. LC26000405

5904-A Hampton Oaks Pkwy.
Tampa, Florida 33610
Office: 813-253-5311
Fax: 813-464-7629

www.HeidtDesign.com

SOLETA
AMENITY CENTER

EXISTING SITE CONDITIONS

PREPARED FOR: DAVID WEEKLEY HOMES

DESCRIPTION	DATE

DESCRIPTION	DATE
REVIEW SUBMITTAL	08/08/2025

PROJECT NO:	DWH-SR-1021
FILE:	EX-SITE
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

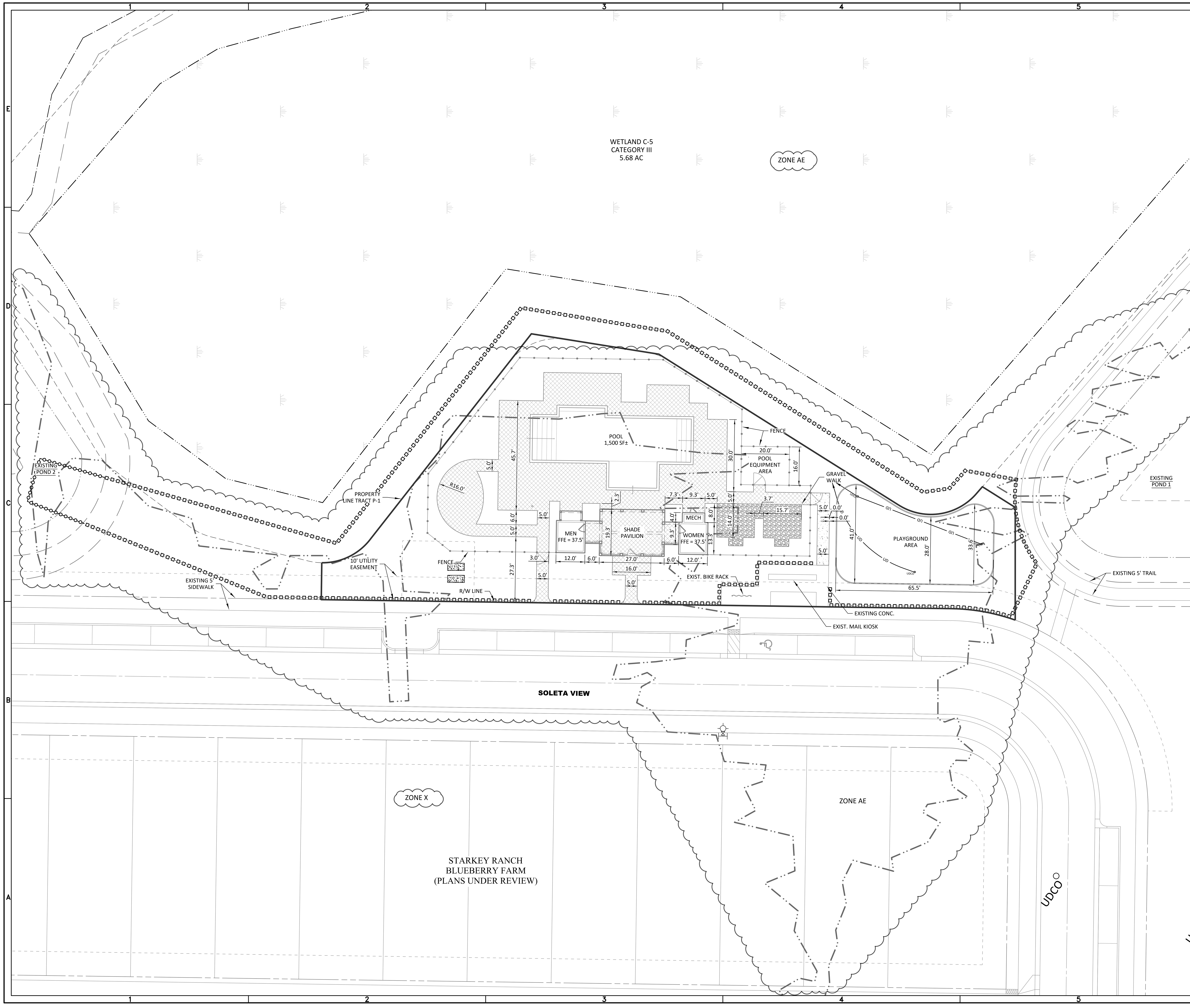
This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-103

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMDEX-SITE.DWG-C-103 2026\03\10 9:40 AM CAMRON.JOHNSON



GRAPHIC SCALE: 1" = 20'

ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.83

LEGEND

- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- FEMA LINE
- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE
- STAKED EROSION CONTROL (SWFWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- CONCRETE
- BRICK PAVERS
- GRAVEL PAVERS

NOTES:

1. ONE STORY BUILDING WITH RESTROOMS AND COVERED, OPEN AIR PAVILION.
2. MAX HEIGHT = 35 FEET.
3. BUILDING AREA = 1,029 SF.
4. POTABLE WATER TO BE PROVIDED BY PASCO COUNTY.
5. SANITARY SEWER TO BE PROVIDED BY PASCO COUNTY.
6. FIRE PROTECTION TO BE PROVIDED BY PASCO COUNTY WITH ADJACENT FIRE HYDRANTS.
7. ELECTRICAL SERVICE TO BE PROVIDED BY DUKE ENERGY.
8. GROSS ACREAGE = 0.46 ACRES.
9. DEVELOPABLE ACREAGE = 0.46 ACRES.
10. ZONING MPUD.
11. FLU = PD.
12. CURRENT ZONING ACTIONS - RZ-7469.

PARKING CALCULATIONS:

REQUIRED PARKING IN SUBDIVISION	= 452 SPACES
PARKING INCLUDED IN SUBDIVISION	= 466 SPACES
PARKING AVAILABLE FOR AMENITY	= 14 SPACES
PARKING REQUIRED FOR AMENITY	= 1 SPACES /200 SF
	= 6 SPACES

HEIDT DESIGN
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Office: 813-253-5311
Fax: 813-464-7629
www.HeidtDesign.com

SOLETA
AMENITY CENTER

SITE PLAN

PREPARED FOR:
DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	ADD FEMA LINES, DIM'S, NOTES
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	SITE
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

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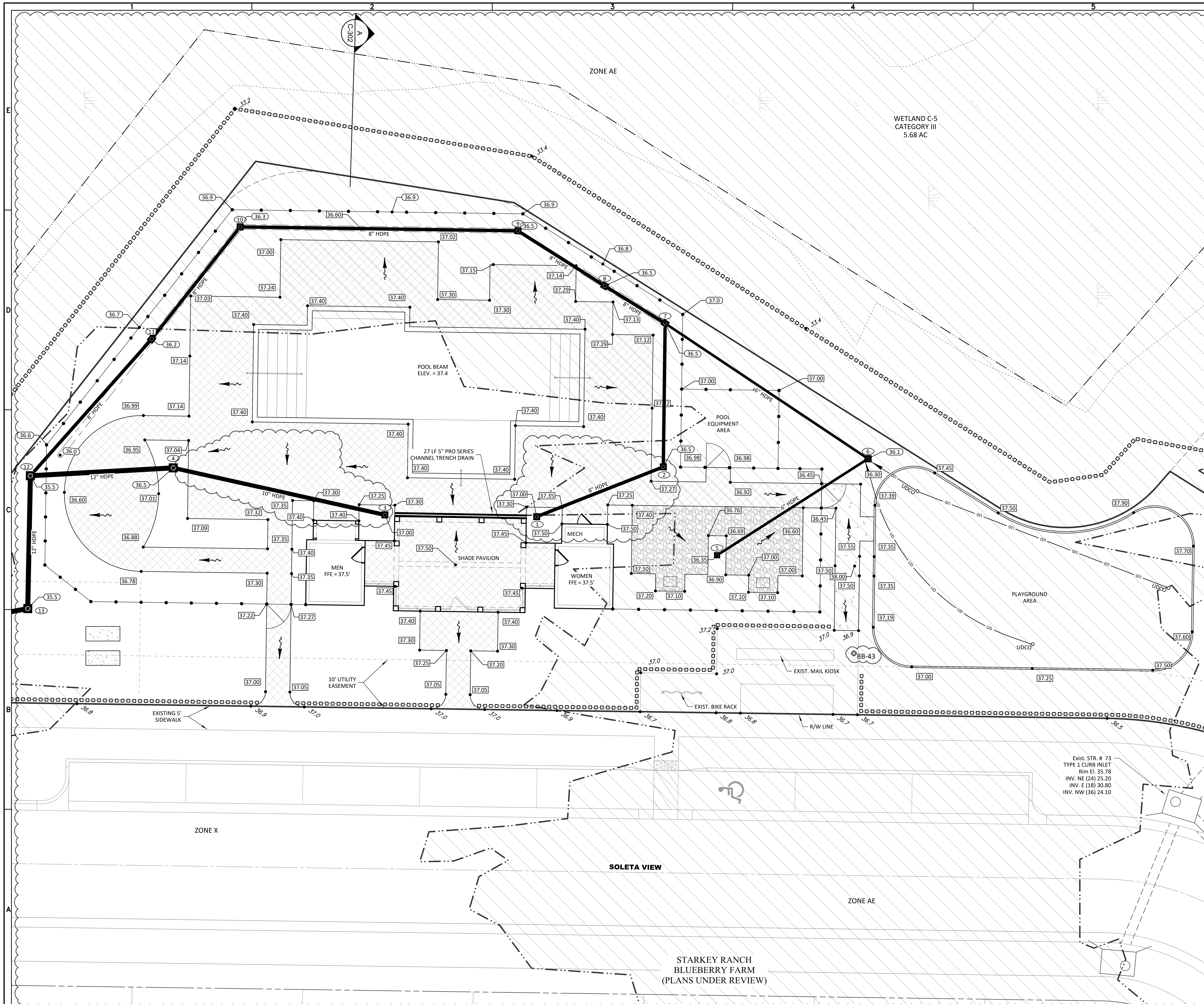
BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-104

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\SITE.DWG-C-104 2026/03/10 9:41 AM CAMRON JOHNSON



GRAPHIC SCALE: 1" = 10'

ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION: NAVD 88 TO NGVD 29 = +0.83

THIS PROJECT LIES WITHIN FLOOD ZONE "A" & "X" ACCORDING TO FLOOD INSURANCE RATE MAPS FOR PASCO COUNTY, FLORIDA, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) - FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12101C0360F DATED SEPTEMBER 26, 2014 AND ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

LEGEND

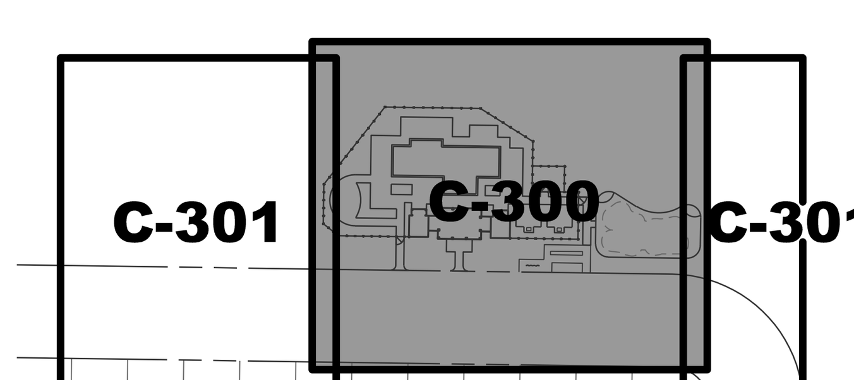
- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- FEMA LINE
- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE

DRAINAGE LEGEND

EXISTING / PROPOSED

- STORM DRAINAGE STRUCTURE & PIPE
- STRUCTURE NO.
- CONTROL STRUCTURE NO.
- SPOT ELEVATION GROUND
- SPOT ELEVATION PAVEMENT
- ROADWAY PROFILE ELEVATION
- CONTOUR
- FF=15.00 FINISH FLOOR ELEVATION
- DIRECTION OF SURFACE FLOW
- STAKED EROSION CONTROL (SWFWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- BOTTOM OF POND/TOP OF BANK OF POND
- SECTION ID LABEL / SECTION SHEET NUMBER
- 100 YR FLOOD PLAIN LIMITS
- SIDEWALK
- GRAVEL PATH
- PAVERS

NOTE:
WHERE NEW SIDEWALKS, SLABS ETC. MATCH EXISTING INFRASTRUCTURE , CONTRACTOR SHALL VERIFY EXISTING GRADES REFLECTED HEREIN. ANY DISCREPANCIES SHALL BE REPORTED TO EOR PRIOR TO PLACEMENT OF PROPOSED INFRASTRUCTURE.



SHEET KEY MAP

HEIDT DESIGN
Civil Engineering • Planning & GIS
Transportation Engineering
Ecological Services • Landscape Architecture
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Fax: 813-464-7629
www.HeidtDesign.com
Landscape Architecture Certificate of Authorization No. LC26000405

SOLETA
AMENITY CENTER

GRADING & DRAINAGE PLAN

PREPARED FOR: DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	ADD FEMA LINES,BORINGS,REV STORM
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	GD-WMD
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

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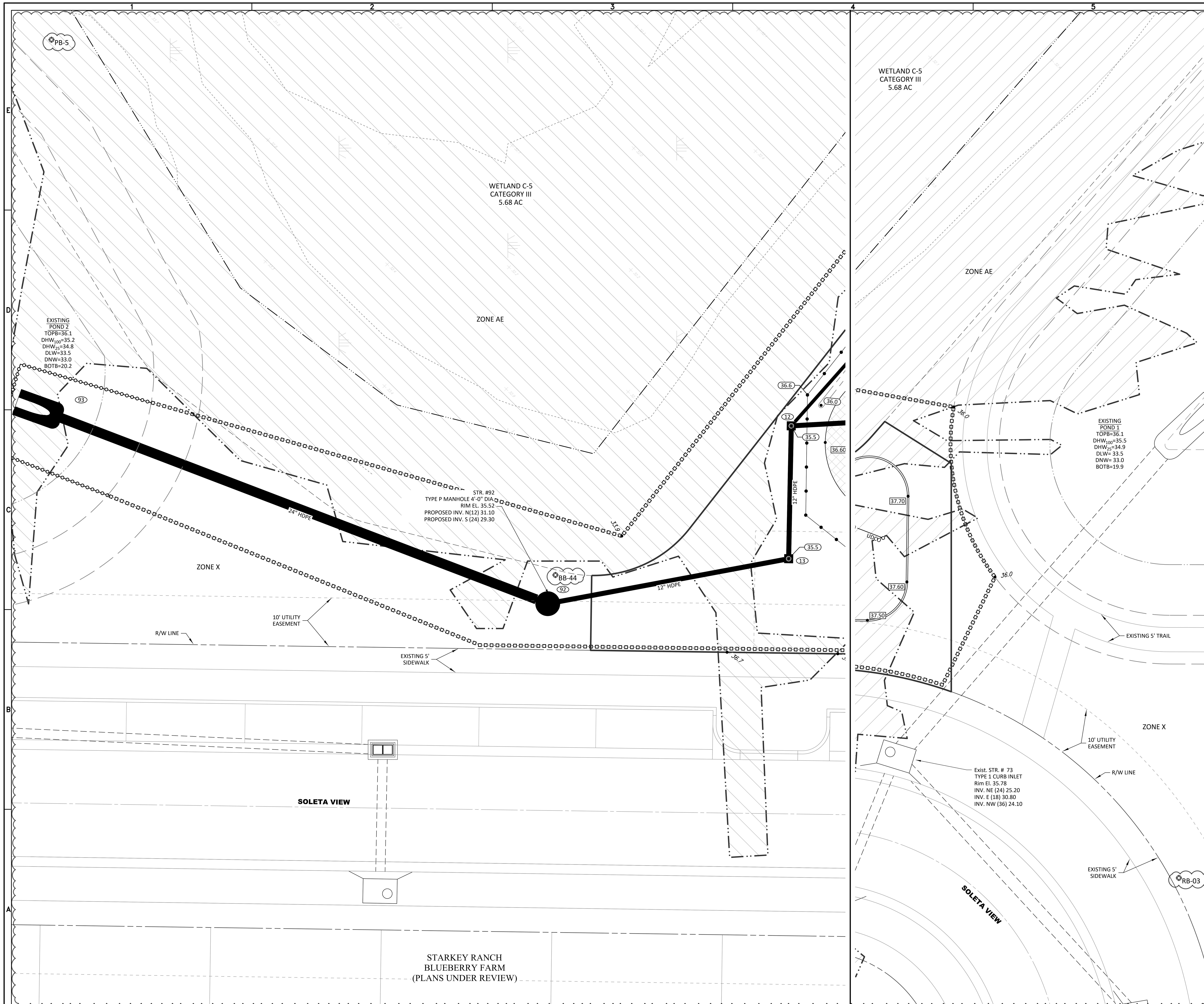
BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-300

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\GD-WMD.DWG-C-300 2026/03/10 9:41 AM CAMRON JOHNSON



GRAPHIC SCALE: 1" = 10'

ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION: NAVD 88 TO NGVD 29 = +0.83

THIS PROJECT LIES WITHIN FLOOD ZONE "A" & "X" ACCORDING TO FLOOD INSURANCE RATE MAPS FOR PASCO COUNTY, FLORIDA, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) - FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12101C0360F DATED SEPTEMBER 26, 2014 AND ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

LEGEND

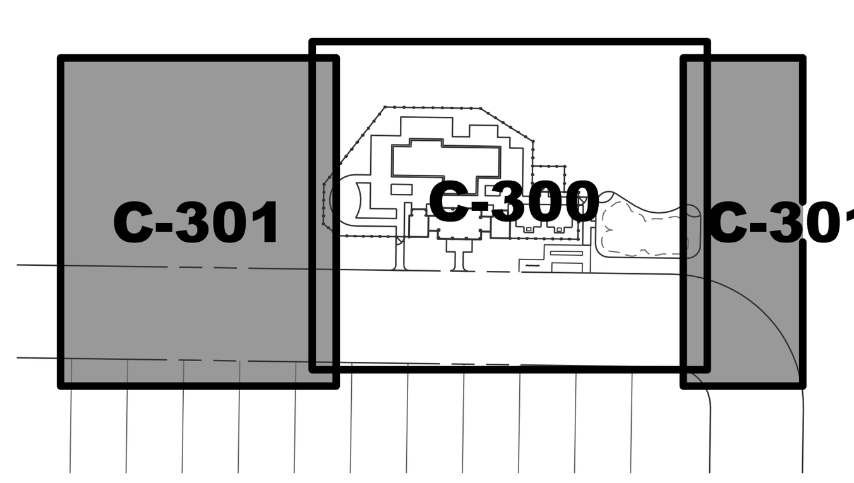
- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- FEMA LINE
- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE

DRAINAGE LEGEND

EXISTING | PROPOSED

- STORM DRAINAGE STRUCTURE & PIPE
- (10) STRUCTURE NO.
- (CS-F1) CONTROL STRUCTURE NO.
- 15.0 / 15.00 SPOT ELEVATION GROUND
- 15.0 / 15.00 SPOT ELEVATION PAVEMENT
- 15.00 ROADWAY PROFILE ELEVATION
- 15 / 15.00 CONTOUR
- FF=15.00 FINISH FLOOR ELEVATION
- DIRECTION OF SURFACE FLOW
- STAKED EROSION CONTROL (SWFWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- BOTTOM OF POND/TOP OF BANK OF POND
- A-A SECTION ID LABEL / C-317 SECTION SHEET NUMBER
- 100 YR FLOOD PLAIN LIMITS
- SIDEWALK
- GRAVEL PATH
- PAVERS

NOTE:
WHERE NEW SIDEWALKS, SLABS ETC. MATCH EXISTING INFRASTRUCTURE , CONTRACTOR SHALL VERIFY EXISTING GRADES REFLECTED HEREIN. ANY DISCREPANCIES SHALL BE REPORTED TO EOR PRIOR TO PLACEMENT OF PROPOSED INFRASTRUCTURE.



SHEET KEY MAP

HEIDT DESIGN
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Landscape Architecture Certificate of Authorization No. LC26000405
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Tampa, Florida 33610
Office: 813-253-5311
Fax: 813-464-7629
www.HeidtDesign.com

SOLETA AMENITY CENTER

GRADING & DRAINAGE PLAN

PREPARED FOR: DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	ADD FEMA LINES, BORINGS
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	GD-WMD
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

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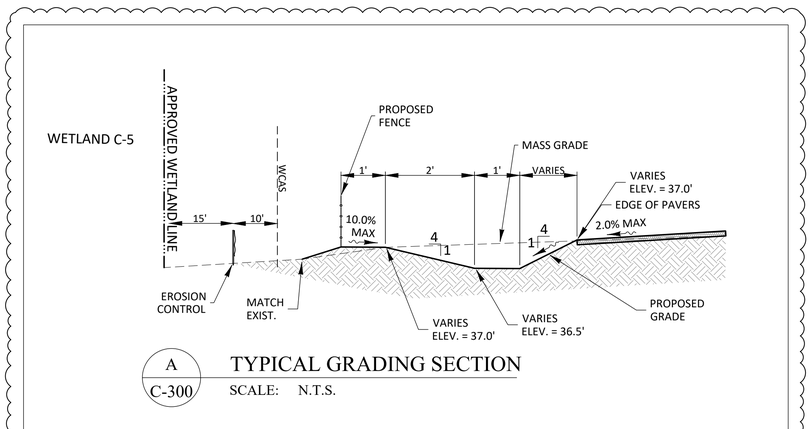
BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-301

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\GD-WMD.DWG-C-301 2026/03/10 9:41 AM CAMRON JOHNSON

STORM STRUCTURE & PIPE TABLE

STR. NO.	STR. TYPE	TOP ELEV. (FT)	PIPE DIAM. & MATL. (INCHES)	LENGTH (FT)	SLOPE %	INVERT IN (FT)	AS-BUILT INVERT IN (FT)	INVERT OUT (FT)	AS-BUILT INVERT OUT (FT)	COMMENTS
1	10" BASIN YARD DRAIN	37.00	8" HDPE	28	0.72%			34.00 (TO STR 2)		NYLOPLAST
2	10" BASIN YARD DRAIN	36.50	8" HDPE	29	0.68%	33.80 (FROM STR 1)		33.80 (TO STR 7)		NYLOPLAST
3	10" BASIN YARD DRAIN	37.00	10" HDPE	44	0.45%			32.60 (TO STR 4)		NYLOPLAST
4	15" BASIN YARD DRAIN	36.50	12" HDPE	29	0.34%	32.40 (FROM STR 3)		32.20 (TO STR 12)		NYLOPLAST
5	8" BASIN YARD DRAIN	36.35	6" HDPE	37	0.82%			33.70 (TO STR 6)		NYLOPLAST
6	8" BASIN YARD DRAIN	36.10	6" HDPE	50	0.80%	33.40 (FROM STR 5)		33.40 (TO STR 7)		NYLOPLAST
7	10" BASIN YARD DRAIN	36.50	8" HDPE	15	0.68%	33.00 (FROM STR 6) 33.60 (FROM STR 2)		32.80 (TO STR 8)		NYLOPLAST
8	10" BASIN YARD DRAIN	36.50	8" HDPE	21	0.95%	32.70 (FROM STR 7)		32.70 (TO STR 9)		NYLOPLAST
9	10" BASIN YARD DRAIN	36.50	8" HDPE	57	0.53%	32.50 (FROM STR 8)		32.50 (TO STR 10)		NYLOPLAST
10	10" BASIN YARD DRAIN	36.30	8" HDPE	29	0.68%	32.20 (FROM STR 9)		32.20 (TO STR 11)		NYLOPLAST
11	10" BASIN YARD DRAIN	36.15	8" HDPE	37	0.53%	32.00 (FROM STR 10)		32.00 (TO STR 12)		NYLOPLAST
12	15" BASIN YARD DRAIN	35.50	12" HDPE	27	0.37%	31.80 (FROM STR 11) 32.10 (FROM STR 4)		31.40 (TO STR 13)		NYLOPLAST
13	15" BASIN YARD DRAIN	35.50	12" HDPE	50	0.40%	31.30 (FROM STR 12)		31.30 (TO STR EX-92)		NYLOPLAST
92	TYPE P MANHOLE 4'-0" DIA.	35.52				31.10 (FROM STR 13)		29.30 (TO STR 93)		HDPE
93	MES					29.00 (FROM STR 92)				



A C-300 TYPICAL GRADING SECTION

SCALE: N.T.S.

NOTE:

- ALL INLET AND MANHOLE STRUCTURE BOTTOMS ARE SPECIFIED TYPE 'P' UNLESS OTHERWISE NOTED. REFER TO FDOT DESIGN STANDARD INDEX 425-010.
- ALL FLARED END SECTIONS (FES) ARE SPECIFIED FDOT STANDARD INDEX 430-020 UNLESS OTHERWISE NOTED.
- ALL MITERED END SECTIONS (MES) ARE SPECIFIED FDOT STANDARD INDEX 430-021 UNLESS OTHERWISE NOTED.

ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.83

HEIDT DESIGN
Civil Engineering • Planning & GIS
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Landscape Architecture Certificate of Authorization No. LC26000405
5904-A Hampton Oaks Pkwy.
Tampa, Florida 33610
Office: 813-253-5311
Fax: 813-464-7629
www.HeidtDesign.com

SOLETA
AMENITY CENTER
STORM STRUCTURE, PIPE DATA, & SECTIONS

PREPARED FOR: DAVID WEEKLEY HOMES

NO.	DATE	DESCRIPTION
1	10/30/2025	REMOVE STR #2, REVISE SECTION
	08/08/2025	REVIEW SUBMITTAL
	DATE	DESCRIPTION

PROJECT NO:	DWH-SR-1021
FILE:	ST
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

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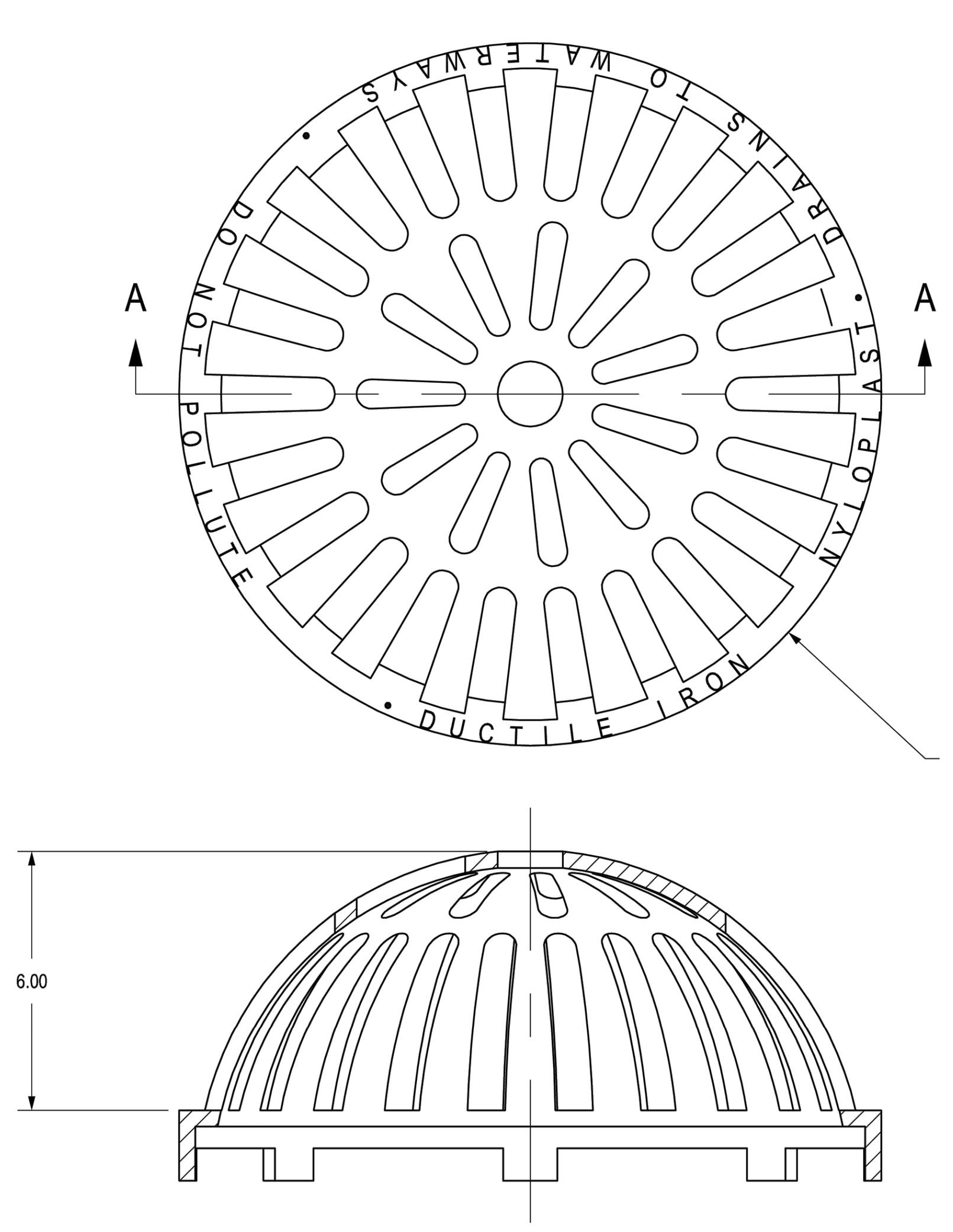
BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-302

R:\ST\ARVEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMDST.DWG-C-302 2026/03/10 9:42 AM CAMRON JOHNSON

1599CGD

APPROX. DRAIN AREA = 122.07 SQ IN
APPROX. WEIGHT = 26.50 LBS



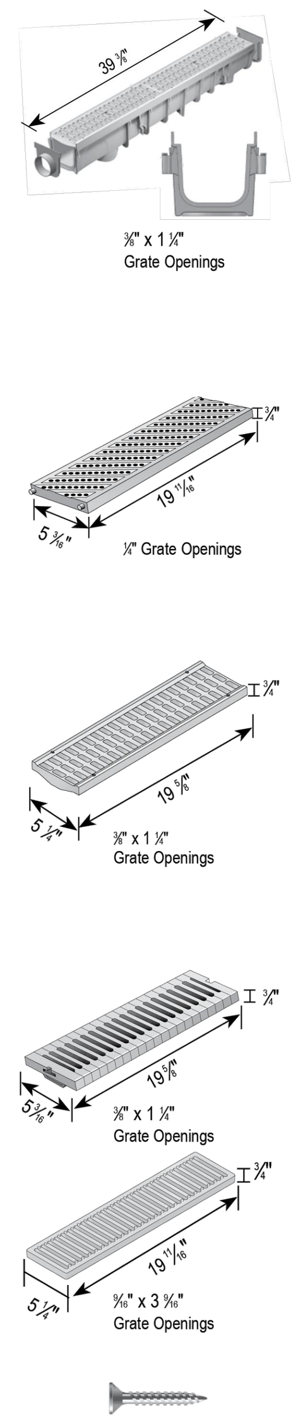
SECTION A-A

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST

DRAWN BY EBC	MATERIAL: DUCTILE IRON	ADS Nyloplast	3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com
DATE 03-07-06			
REVISED BY CCA	PROJECT NO./NAME	TITLE: 15 IN DOME GRATE	
DATE 08-30-13			
DWG SIZE A	SCALE 1:4 SHEET 1 OF 1	DWG NO. 7001-110-211	REV E

We put water in its place™

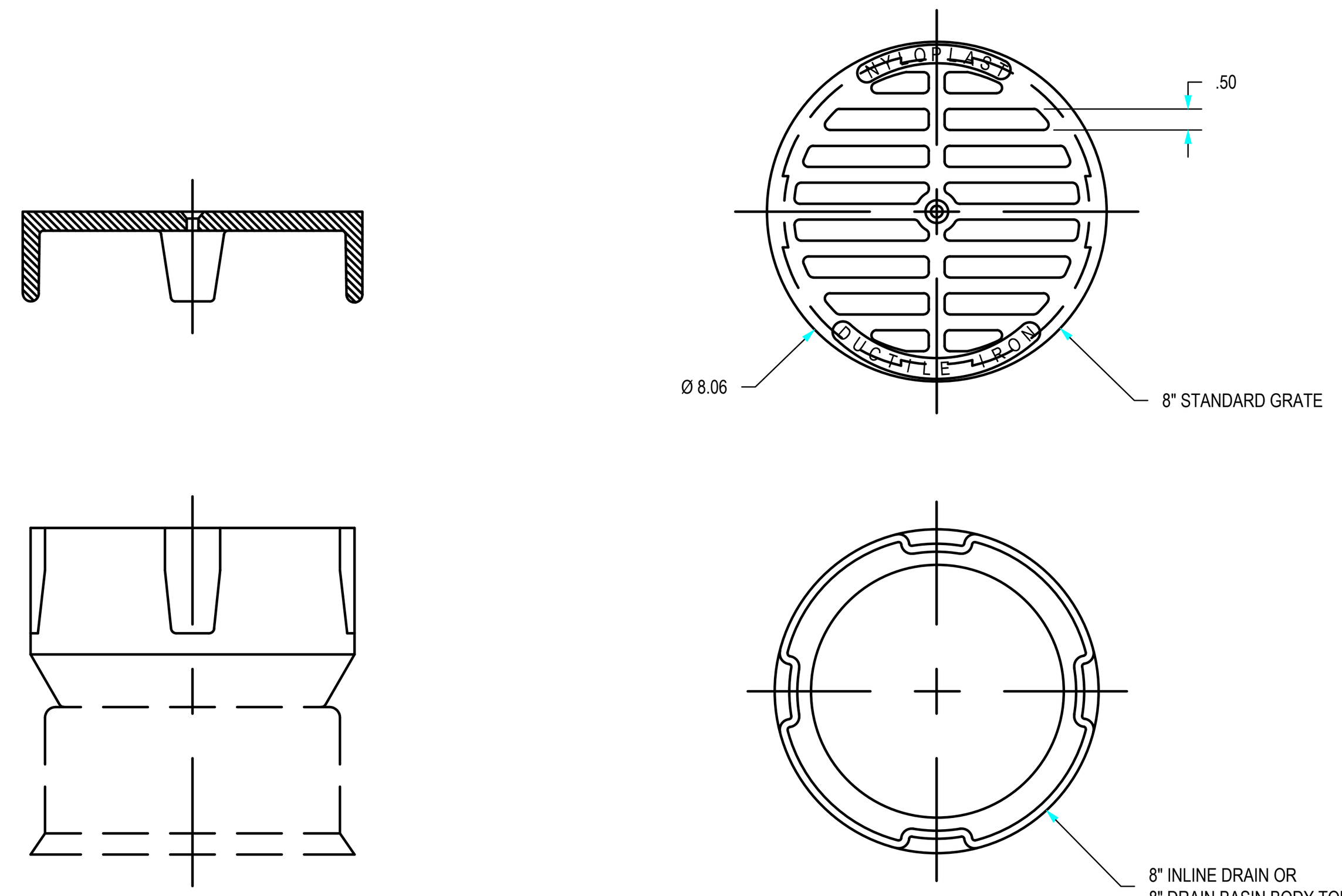
5" Pro Series Channel™ Drains



Part No.	Description	Color	Pkg. Qty.	Weight Ea. (lbs.)	Product Class	Specificationa
864	5" x 1 Meter Light Traffic Channel Kit with Light Gray Plastic Grates. Includes 1 End Outlet & 1 Cap	Light Gray	9	5.67	25IN	5" wide Light Traffic Channel Drain Kits and Displays. See related specifications for 800 Channel and 814 & 824 Grates. Includes channel, grates, screws, end cap and end cap/ outlet. DISP includes 9 kits either light gray plastic or galvanized steel grates
864DISPLAY	5" Pro Series Channel Kit with Plastic Grate Display (9 kits)	Light Gray	1 box = 9 kits	51.03	25IN	
864GMTL	5" x 1 Meter Light Traffic Channel Kit with Galvanized Steel Grates. Includes 1 End Outlet & 1 Cap	Galvanized Steel	9	6.15	25IN	
864GMTLDISP	5" Pro Series Channel Kit with Steel Grate Display (9 kits)	Galvanized Steel	1 box = 9 kits	55.35	25IN	
	Grate should be recessed 1/8" below finish grade in non-traffic applications. Grate should be recessed 1/4" below finish grade in traffic applications. ADA Compliant, see page 71.					
826	5" x 20" Pedestrian Traffic Channel Grate	Light Gray	10	1.00	25IN	5" wide UV-protected Structural Foam Polyolefin Pedestrian Traffic Channel Grate. Open surface area 4.86 square inches per foot. 24.26 GPM per foot.
	Requires #829 screws (quantity 4 per grate). ADA Compliant/Heelproof, see page 71.					
814	5" x 20" Light Traffic Channel Grate	Light Gray	10	1.16	25IN	5" wide Structural Foam Polyolefin Light Traffic Channel Grate with UV inhibitors. Open surface area 23.52 square inches per foot. 71.95 GPM per foot. 2 ft. Galvanized Steel Channel Grate. Open surface area 19.32 square inches per foot. 59.1 GPM per foot.
815	5" x 20" Light Traffic Channel Grate	Green	10	1.16	25IN	
816	5" x 20" Light Traffic Channel Grate	Black	10	1.16	25IN	
817	5" x 20" Light Traffic Channel Grate	Sand	10	1.16	25IN	
818	5" x 20" Light Traffic Channel Grate	Brick Red	10	1.16	25IN	
819	5" x 20" Light Traffic Channel Grate	White	10	1.16	25IN	
824	5" x 20" Galvanized Steel Light Traffic Channel Grate	Galvanized Steel	10	1.14	25IN	
	Requires #829 screws (quantity 4 per grate). ADA Compliant, see page 71.					
828	5" x 20" Load Star Heavy Traffic Channel Grate	Gray	10	2.35	25IN	5" wide UV-protected high- impact glass-reinforced nylon Heavy Traffic Channel Grate. Open surface area 15.92 square inches per foot. 48.70 GPM per foot.
	Requires #829 screws (quantity 4 per grate), see below. See page 71.					
823	5" x 20" Ductile Channel Grate	Black*	1	12.30	25IN	5" wide heavy-duty Ductile Heavy Traffic Channel Grate. Open surface area 22.90 square inches per foot. 70.05 GPM per foot.
	Requires #829 screws (quantity 4 per grate), see below. ADA Compliant, see page 71. *Painted for shipping & display only; grate will form iron-oxide patina					
829	Stainless Steel Screws FH #6 x 1¼"	Steel	40/Bag	0.15	25PF	

0899CGS

APPROX. DRAIN AREA = 18.77 SQ IN
APPROX. WEIGHT = 3.06 LBS

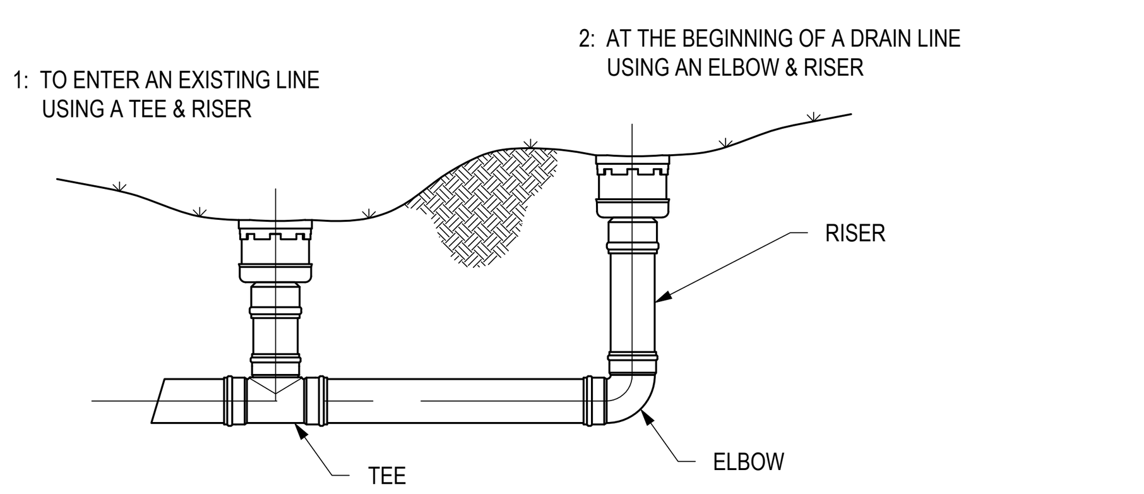


DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE HAS LIGHT DUTY RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-038

DRAWN BY EBC	MATERIAL: DUCTILE IRON	Nyloplast	3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com
DATE 3-3-06			
REVISED BY EBC	PROJECT NO./NAME	TITLE: 8 IN STANDARD GRATE ASSEMBLY	
DATE 3-13-10			
DWG SIZE A	SCALE 1:4 SHEET 1 OF 1	DWG NO. 7001-110-194	REV B

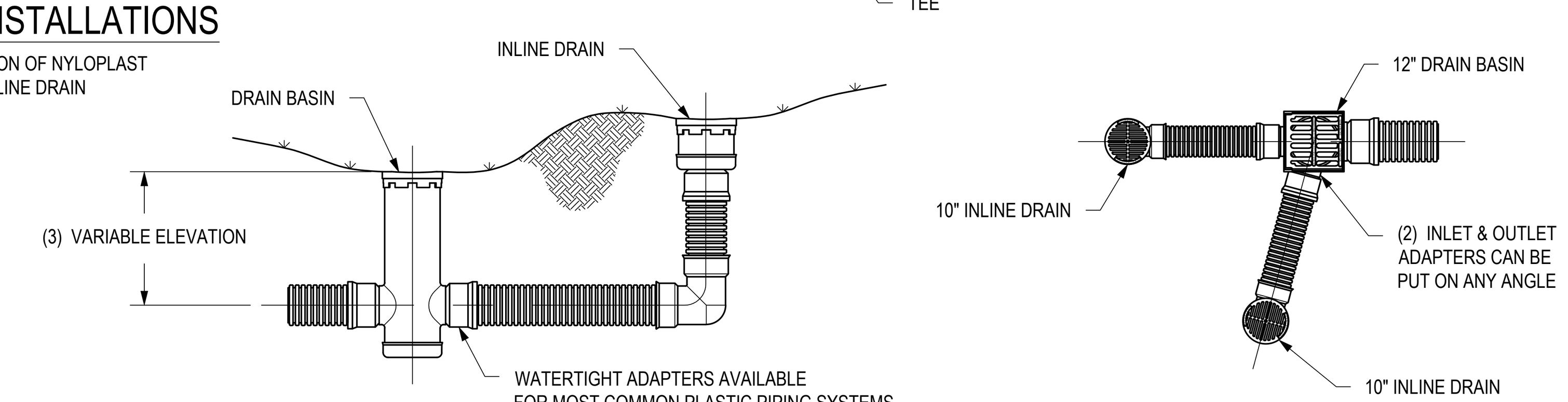
WHEN ARE INLINE DRAINS USED?

2708AG _ _ X
2710AG _ _ X
2712AG _ _ X
2715AG _ _ X
2718AG _ _ X
2724AG _ _ X
2730AG _ _ X



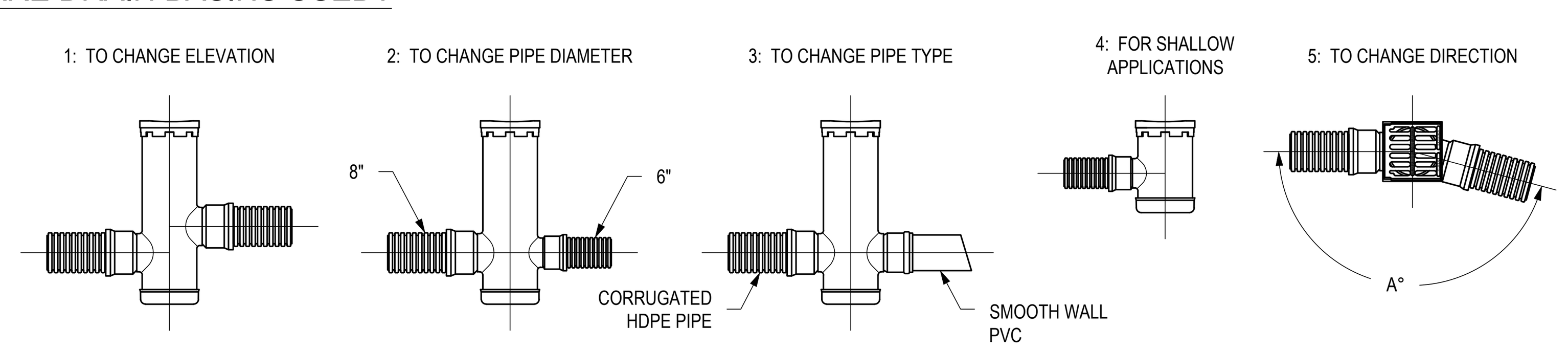
TYPICAL INSTALLATIONS

TYPICAL INSTALLATION OF NYLOPLAST DRAIN BASIN AND INLINE DRAIN



WHEN ARE DRAIN BASINS USED?

2808AG _ _ X
2810AG _ _ X
2812AG _ _ X
2815AG _ _ X
2818AG _ _ X
2824AG _ _ X
2830AG _ _ X
2836AG _ _ X



1 - STRUCTURES & ADAPTERS AVAILABLE IN SIZES 8" - 36"
2 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS SEE DRAWING NO. 7001-110-065
4 - REDUCING CONES DOWN TO 30" DIAMETER WILL BE REQUIRED FOR 36" DRAIN BASINS.

DRAWN BY AWA	MATERIAL	Nyloplast	3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com
DATE 8-10-00			
REVISED BY NMH	PROJECT NO./NAME	TITLE: 8 IN - 36 IN TYPICAL INSTALLATION OPTIONS	
DATE 11-2-18			
DWG SIZE A	SCALE 1:40 SHEET 1 OF 1	DWG NO. 7001-110-042	REV E

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Civil Engineering • Planning & GIS
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Ecological Services • Landscape Architecture
Landscape Architecture Certificate of Authorization No. LC26000405
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Tampa, Florida 33610
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Fax: 813-464-7629
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SOLETA AMENITY CENTER

DRAINAGE DETAILS

PREPARED FOR: DAVID WEEKLEY HOMES

DATE	DESCRIPTION
08/08/2025	REVIEW SUBMITTAL

PROJECT NO: DWH-SR-1021
FILE: DD
DESIGN BY: C. JOHNSON
DRAWN BY: C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

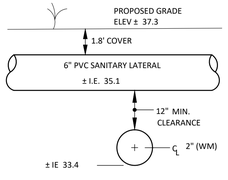
This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-303

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\DD.DWG-C-303 2026/03/10 9:42 AM CAMRON JOHNSON



X1 CROSSING DETAIL

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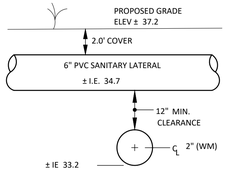

X2 CROSSING DETAIL

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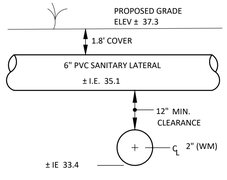

X3 CROSSING DETAIL

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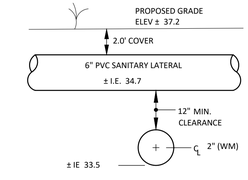

X4 CROSSING DETAIL

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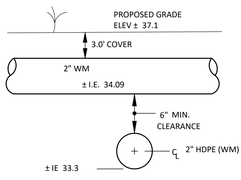

X5 CROSSING DETAIL

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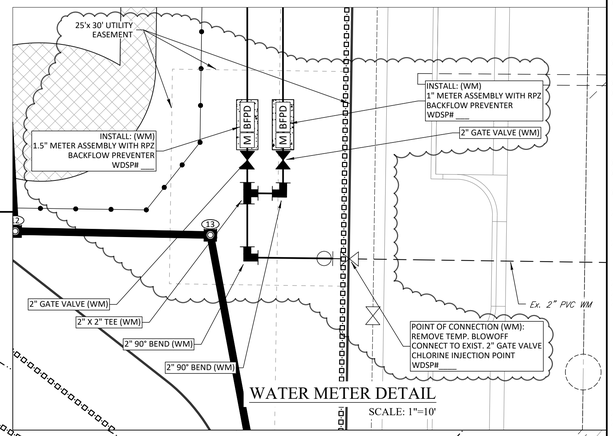
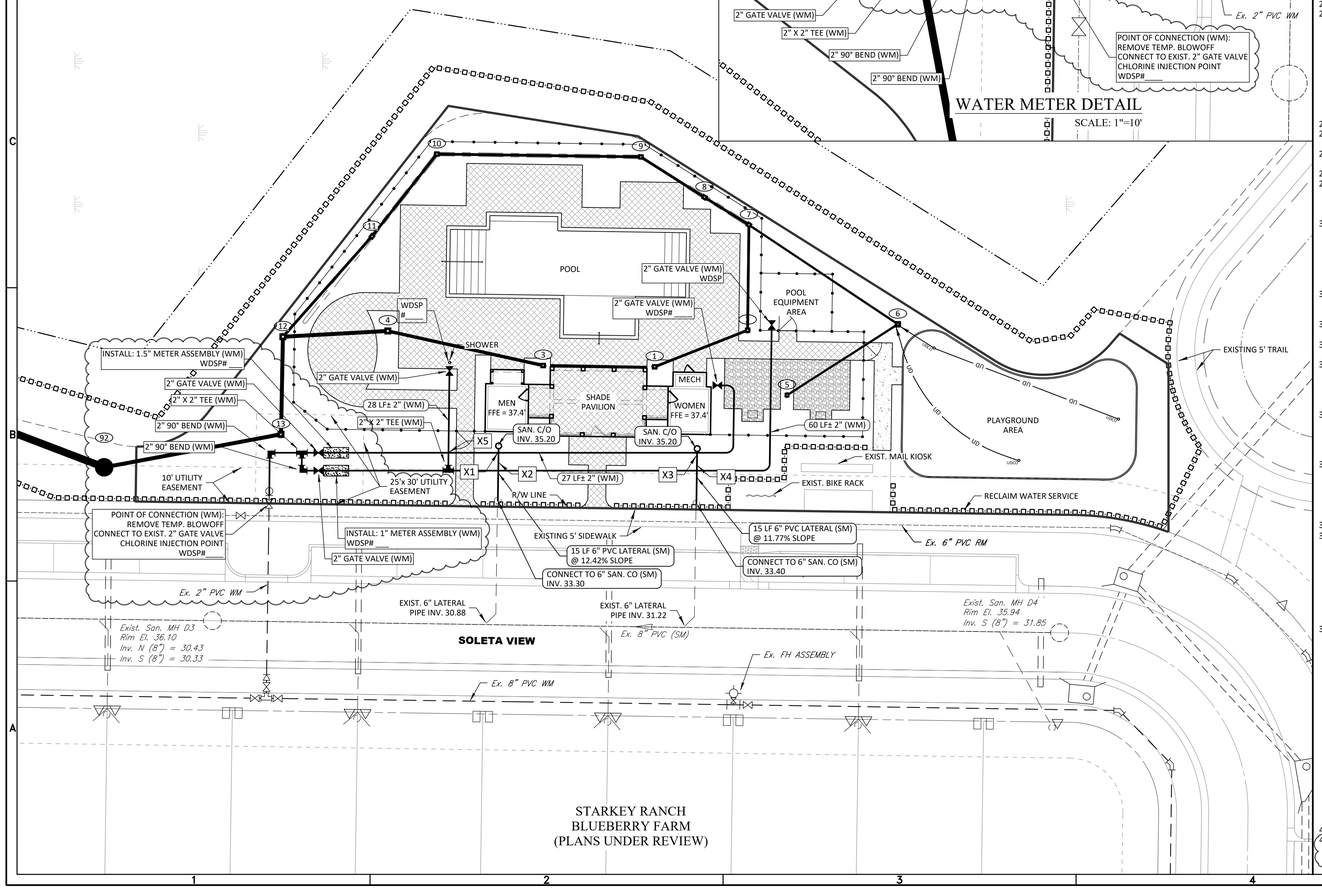


WATER METER DETAIL

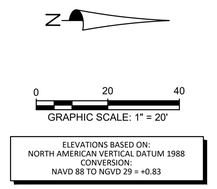
SCALE: 1"=10'



STARKEY RANCH
BLUEBERRY FARM
(PLANS UNDER REVIEW)

WATER, SEWER & RECLAIMED WATER CONSTRUCTION NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER OR OWNER A COPY OF ALL PERTINENT PERMITS RELATED TO THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THE CONDITIONS OF ALL PERMITS AND APPROVALS.
2. SOLID SOD, ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION.
3. CONTRACTOR IS TO COORDINATE ALL WORK WITHIN, BUT NOT LIMITED TO, PASCO COUNTY RIGHTS-OF-WAY WITH UTILITY COMPANIES IN ORDER TO PREVENT DAMAGE TO UTILITY LINES AND THE MAKING OF ADJUSTMENTS TO SAME, IF REQUIRED. IN ACCORDANCE WITH THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT (CHAPTER 556, F.S.) THE CONTRACTOR SHALL CALL THE SUNSHINE STATE ONE CALL OF FLORIDA (SSCOF) AT 1-800-432-4770 FORTY EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION.
4. ALL UTILITY MATERIALS AND WORKMANSHIP MUST COMPLY WITH STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER, WASTEWATER AND RECLAIMED WATER FACILITIES SPECS., JUNE 1995 EDITION.
5. FIRE HYDRANT, GATE VALVE AND BLOW-OFF VALVE ASSEMBLIES SHALL CONSIST OF ALL PIPE, VALVES, TEES, FITTINGS, AND ANY AND ALL OTHER APPURTENANCES COMPRISING A COMPLETE, WORKING UNIT.
6. ALL 4"-12" PVC WATER MAIN PIPE SHALL CONFORM TO THE REQUIREMENTS FOUND IN AWWA STANDARD C-900, LATEST EDITION AT THE TIME OF PLAN APPROVAL. ALL 16"-24" WATER MAIN SHALL BE C-905 OR 25 PVC. ALL SERVICE PIPE LESS THAN 4" IN DIAMETER SHALL BE PVC PRESSURE PIPE; PRESSURE RATE 200, DR 21 PER ASTM STANDARD D-2241. WATER MAINS SMALLER THAN 2" IN DIAMETER SHALL BE CLASS 1120 OR 1220; SCHEDULE 80 AND MEET THE REQUIREMENTS OF ASTM D-1785.
7. ALL WATER MAINS SHALL BE DEFLECTED VERTICALLY WHERE CROSSING STORM SEWER PIPE TO OBTAIN A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE STORM SEWER. JOINTS SHALL BE LOCATED SUCH THAT THE DISTANCE FROM THE STORM SEWER AND WATER MAIN JOINT IS AS FAR AS PRACTICAL.
8. WATER MAINS SHOULD BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED STORM SEWER.
9. AT NO TIME SHOULD VERTICAL CLEARANCE BETWEEN FORCE MAIN OR GRAVITY SEWER AND WATER MAIN BE LESS THAN 18" AT CROSSING OF SAME.
10. AT NO TIME SHOULD HORIZONTAL CLEARANCE BETWEEN FORCE MAIN OR GRAVITY SEWER AND WATER MAIN BE LESS THAN 10' WHEN SAME ARE PARALLELING EACH OTHER.
11. ADJUSTING MANHOLE TOPS TO MATCH GRADE AND SLOPE OF THE FINISH PAVING SHALL BE INCLUDED IN THE RESPECTIVE CONTRACT UNIT PRICE FOR MANHOLES, PAYMENT OF WHICH WILL CONSTITUTE FULL COMPENSATION FOR THE CONSTRUCTION AND COMPLETION OF THE MANHOLE, AND NO ADDITIONAL PAYMENT WILL BE ALLOWED OR MADE FOR ADJUSTING MANHOLE TOPS.
12. THE LOCATIONS AND ELEVATION OF ALL SERVICE LINES ARE TO BE DETERMINED IN THE FIELD BY OWNER AND/OR CONTRACTOR PRIOR TO CONSTRUCTION OF SAME.
13. BENDS SHALL BE INSTALLED IN FORCE MAIN OR WATER MAIN TO AVOID UNFORESEEN CONFLICTS IN EXISTING OR PROPOSED STRUCTURES.
14. THE JOINT DEFLECTION METHOD SHALL BE USED WHERE PRACTICAL IN LIEU OF INSTALLING BENDS.
15. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF EXISTING WATER AND SEWER LINES PRIOR TO BEGINNING CONSTRUCTION.
16. THE EXISTING UNDERGROUND UTILITY LINES SHOWN HEREON WERE TAKEN FROM DOCUMENTS FURNISHED BY OTHERS AND NOT FIELD VERIFIED, THEREFORE, THE ENGINEER CANNOT GUARANTEE THE ACCURACY OF SAME NOR THAT ALL ARE SHOWN. THE CONTRACTOR SHALL EXPOSE ALL UNDERGROUND UTILITY LINES IN COORDINATION WITH THE OWNERS TO HIS SATISFACTION AND MAKE ADJUSTMENTS TO SAME IN THE EVENT THERE ARE CONFLICTS WITH NEW CONSTRUCTION.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL ROAD CROSSING OR UTILITY PERMITS.
18. ALL 8" GRAVITY SANITARY SEWER PIPE SHALL BE CONSTRUCTED AT A 0.40% MINIMUM SLOPE UNLESS OTHERWISE NOTED.
19. ALL VALVE BOX ASSEMBLIES LOCATED WITHIN ROADWAYS OR PARKING AREAS SHALL BE PROTECTED FROM TRUCK TRAFFIC BY USE OF 6" THICK REINFORCED CONCRETE PADS POURED AROUND VALVE BOXES (SEE DETAIL).
20. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT." THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
21. CONNECTIONS INTO EXISTING COUNTY-OWNED SYSTEMS SHALL BE VIA WET TAP. WET TAPS SHALL BE PERFORMED BY THE PASCO COUNTY UTILITIES SERVICES BRANCH AT THE DEVELOPER'S EXPENSE. MATERIAL FOR WET TAPS LARGER THAN 2" SHALL BE PROVIDED AND INSTALLED BY THE PROJECT CONTRACTOR. EXCAVATION, BACKFILL AND SURFACE RESTORATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
22. GATE VALVES INSTALLED FOR PHASING SHALL BE RESTRAINED PER CURRENT PASCO COUNTY STANDARDS.
23. OFF-ROAD UTILITY EASEMENTS SHALL BE "STABILIZED" FOR ACCESS BY MAINTENANCE VEHICLES.
24. RECLAIMED WATER MAINS, VALVES, AND SERVICES SHALL INCLUDE THE FOLLOWING TO AVOID CONFUSION WITH POTABLE SYSTEM:
    A. PURPLE PIGMENTED C-900, DR-18 PVC PIPING FOR 4"-12" RECLAIMED WATER MAINS, EXCEPT 2" WHICH SHALL BE SDR 21 PVC PIPING.
    B. SQUARE TOP VALVE BOXES FOR ISOLATION VALVES IN SYSTEM, WITH COVERS MARKED "EFFLUENT."
    C. PURPLE STRIPE ON CURB TO IDENTIFY RECLAIMED WATER SERVICES.
    D. ONE INCH SERVICES FOR RECLAIMED WATER SERVICES.
    E. PURPLE MAGNETIC LOCATING TAPE, STATING "REUSE MAIN BURIED BELOW" OVER ALL RECLAIMED WATER MAINS (18 INCHES BELOW GRADE).
    F. RECLAIMED WATER SERVICE ON OPPOSITE LOT LINE FROM POTABLE SERVICE.
    G. 16" - 24" RECLAIMED MAIN SHALL BE C-905 DR 25 PVC.
25. ALL ASPECTS OF RECLAIMED WATER SYSTEM MUST COMPLY WITH CHAPTER 17-610, F.A.C., LATEST EDITION.
26. MAINTAIN 5' MINIMUM HORIZONTAL SEPARATION BETWEEN RECLAIMED MAINS AND WATER MAINS OR FORCE MAINS.
27. STUB-OUT LINES ON THE WATER MAIN, FORCE MAIN, AND RECLAIMED MAIN SHALL HAVE RESTRAINED JOINTS FROM THE MAIN LINE TO THE STUB-OUT.
28. ALL PVC PRESSURE PIPE SHALL HAVE A MINIMUM 36" COVER.
29. SANITARY SEWERS, FORCE AND RECLAIMED MAINS AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS. SANITARY SEWERS, FORCE AND RECLAIMED MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE.
30. WHEN SANITARY SEWERS, FORCE AND RECLAIMED MAINS AND STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED.) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 10 FEET OF THE CROSSING MUST BE LEAK FREE AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING.
31. WHERE THERE IS NO ALTERNATIVE TO SEWER AND RECLAIMED PIPES CROSSING OVER A WATER MAIN, THE CRITERIA FOR MINIMUM SEPARATION OF 18 INCHES BETWEEN LINES AND 10 FEET BETWEEN JOINTS SHALL BE REQUIRED.
32. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER AND RECLAIMED PIPES JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).
33. WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS ABOVE.
34. A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED IN PARALLEL INSTALLATIONS BETWEEN ANY TYPE OF SEWER (INCLUDING DRAINAGE INLETS) AND WATER MAIN WHENEVER POSSIBLE. A MINIMUM 5-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED IN PARALLEL INSTALLATION BETWEEN RECLAIMED WATER MAINS AND WATER MAINS, AND BETWEEN RECLAIMED WATER MAINS AND SANITARY SEWERS WHENEVER POSSIBLE.
35. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FOOT HORIZONTAL SEPARATION BETWEEN ANY TYPE OF PARALLEL SEWER AND WATER MAIN, OR A 5-FOOT SEPARATION BETWEEN RECLAIMED MAIN AND WATER MAIN, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER, RECLAIMED MAIN, OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
36. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES OR A HORIZONTAL DISTANCE OF 10 FEET IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER, RECLAIMED MAIN OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP (IF AVAILABLE IN THE SIZE PROPOSED) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD BE ABOVE THE SEWER, RECLAIMED MAIN, OR FORCE MAIN. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER, RECLAIMED MAIN, OR FORCE MAIN (STAGGERED JOINTS).
37. RECLAIMED WATER IS PROPOSED FOR IRRIGATION SERVICES.
38. IN CONSIDERATION OF PASCO COUNTY'S AGREEMENT TO PROVIDE POTABLE WATER AND/OR RECLAIMED WATER TO THE SUBJECT PROPERTY, DEVELOPER/OWNER, AND ITS SUCCESSORS ASSIGNS, AGREE TO THE FOLLOWING:
    A. IN THE EVENT OF PRODUCTION FAILURE OR SHORTFALL BY TAMPA BAY WATER, AS SET FORTH IN SECTION 3.19 OF THE INTERLOCAL AGREEMENT CREATING TAMPA BAY WATER, DEVELOPER/OWNER SHALL TRANSFER TO PASCO COUNTY ANY AND ALL WATER USE PERMITS OR WATER USE RIGHTS THE DEVELOPER/OWNER MAY HAVE TO USE OR CONSUME SURFACE OR GROUND WATER WITHIN PASCO COUNTY.
    B. PRIOR TO DEVELOPER/OWNER SELLING WATER OR WATER USE PERMITS OR WATER USE RIGHTS, DEVELOPER/OWNER SHALL NOTIFY PASCO COUNTY, AND PASCO COUNTY SHALL HAVE A RIGHT OF FIRST REFUSAL TO PURCHASE SUCH WATER OR WATER USE PERMITS OR WATER USE RIGHTS.
39. CONTRACTOR'S RESPONSIBILITIES REGARDING WET TAPS TWO INCHES AND LARGER SHALL BE AS FOLLOWS:
    A. 2" ONLY- THIS EXCAVATED TRENCH MUST BE DRY OR THE TRENCH WILL REQUIRE ROCK AND A PUMP TO BE IN PLACE. THE MINIMUM DISTANCE FROM THE FACE OF THE VALVE TO THE WALL OF THE TRENCH IS TO BE SIX FEET.
    B. 3" AND LARGER- THE CONTRACTOR WILL SUPPLY A TAPPING SADDLE BEING EPOXY COATED, A TAPPING VALVE WITH MECHANICAL JOINT AND THE EQUIPMENT TO PROVIDE, AND CONDUCT A PRESSURE TEST. COUNTY PERSONNEL WILL WITNESS THE PRESSURE TEST WHICH MUST BE AT 150 PSI FOR DURATION OF THIRTY MINUTES.
    C. THE CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION BEFORE ANY COUNTY PERSONNEL WILL ENTER AN EXCAVATED AREA. IF THE TRENCH IS FOUR FEET IN DEPTH OR DEEPER, IT WILL REQUIRE A TRENCH BOX OR SLOPING, AND A LADDER ACCORDING TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
    D. THE TAPPING VALVE WILL REQUIRE A BLOCKING DEVICE MADE OF SUITABLE MATERIAL OR DEVICE. THIS BLOCKING DEVICE OR MATERIAL WILL BE PLACED UNDER THE VALVE AND REMAIN IN PLACE UNTIL THE TAP MACHINE IS REMOVED AND THE TAP IS COMPLETED.
    E. NOTE: IF THE CONTRACTOR HAS NOT FULFILLED HIS RESPONSIBILITIES, AS STATED ABOVE, PRIOR TO THE ARRIVAL OF PASCO COUNTY UTILITIES OPERATIONS AND MAINTENANCE TAPPING CREW, THERE WILL BE AN ADDITIONAL CHARGE OF $96.00.
    F. IF YOU HAVE ANY QUESTIONS REGARDING THIS INFORMATION, CONTACT NELSON D. HOLT, FIELD SUPERVISOR, UTILITIES SERVICES BRANCH, AT (813) 235-6189, OR E-MAIL NHOLT@PASCOCOUNTYFL.NET.
40. FIRE HYDRANTS SHALL BE FLOW TESTED AND COLOR CODED BASED UPON FLOW RESULTS.
41. CONNECTIONS TO THE COUNTY UTILITY SYSTEM SHALL NOT BE MADE WITHOUT PRIOR APPROVAL FROM THE UTILITIES INSPECTOR. CONTACT MICHAEL "BEAU" BRIENZA (E-MAIL: MBRIENZA@PASCOCOUNTYFL.NET; PHONE: (727) 247-3054).



ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.83

GENERAL LEGEND

- WMD WETLAND LINE
- WMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (25')
- STAKED EROSION CONTROL
- PROJECT BOUNDARY

WATER & SEWER LEGEND

EXISTING	PROPOSED	
10	10	STORM STRUCTURE NUMBER STORM DRAINAGE STRUCTURE
		WATER MAIN (WM)
		RECLAIMED WATER MAIN (RM)
		FIRE HYDRANT ASSEMBLY
		VALVE & BOX
		REDUCER
		PLUG
		BLOW-OFF ASSEMBLY
		BENDS
		VERTICAL BENDS
	WDSP #	WATER DISTRIBUTION SAMPLING POINT
		WATER SERVICE DOUBLE
		WATER SERVICE SINGLE
		WATER SERVICE CASING
		RECLAIMED WATER SERVICE DOUBLE
		RECLAIMED WATER SERVICE SINGLE
		RECLAIMED WATER SERVICE SLEEVE
A1	A1	SANITARY SEWER (SM)
		SANITARY FORCE MAIN (FM)
		SANITARY SERVICE DOUBLE W/CLEANOUT
		SANITARY SERVICE SINGLE W/CLEANOUT
	2"	DENOTES SLEEVE SIZE & LOCATION
X1		PIPE CROSSING, SEE DETAIL SHEET #####

ADDITIONAL NOTES:

1. ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE OWNED AND MAINTAINED BY PASCO COUNTY UTILITIES.
2. FIRE PROTECTION NOTES:
    a. PROJECT MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINANCE No. 46-51.
    b. FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
    c. PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
    d. PER NFPA-1, 18.3.4.1: CLEARANCES OF 7 ½ FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.
3. ALL UTILITIES, SHALL BE CONSTRUCTED IN ACCORDANCE WITH PASCO COUNTY DESIGN STANDARDS AND TESTED IN COMPLIANCE WITH THE ENGINEERING SERVICES DEPARTMENT TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE, AND UTILITIES.
4. ALL UTILITY LINES SHALL BE INSTALLED UNDERGROUND.
5. FIRE PROTECTION TO BE PROVIDED BY THE EXISTING PASCO COUNTY FIRE STATION #22. LOCATED APPROXIMATELY 7.3 MILES FROM SITE. FIRE HYDRANTS TO BE PROVIDED ON SITE.
6. PASCO COUNTY PREFERS INSIDE DROP MANHOLES TO OUTSIDE DROP MANHOLES. WHERE DROP MANHOLES OCCUR, CONTRACTOR SHALL COORDINATE WITH THE PASCO COUNTY UTILITIES INSPECTOR REGARDING SPECIFIC METHODOLOGY FOR CONSTRUCTING THE INSIDE DROP.

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www.HeidtDesign.com

Landscape Architecture Certificate of Authorization No. LC26000405

SOLETA AMENITY CENTER

WATER & SEWER PLAN

DAVID WEEKLEY HOMES

PREPARED FOR:

NO.	DATE	DESCRIPTION
1	10/30/2025	ADD NOTE, REVISE UTILITY ESMT
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	WS
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-400

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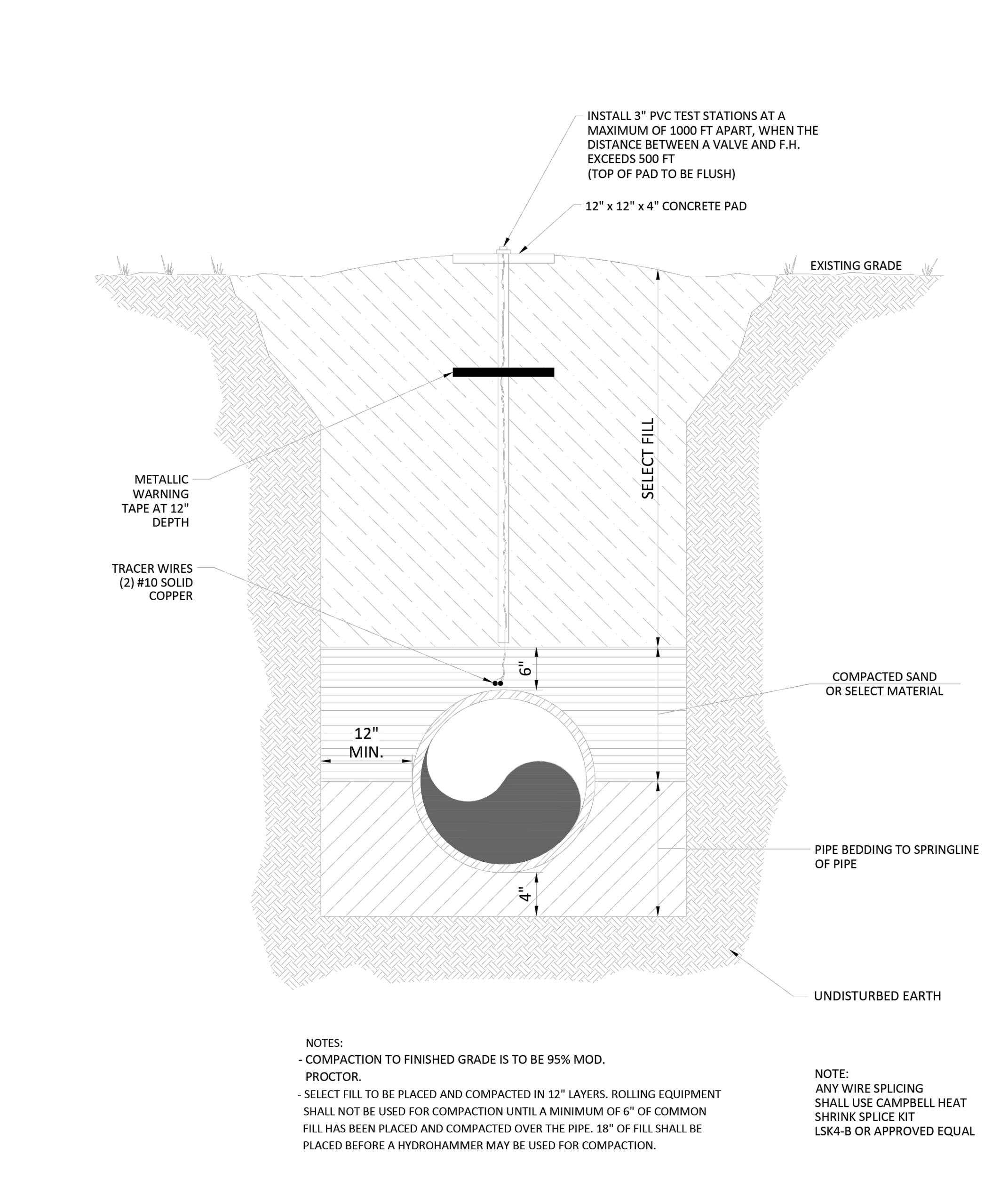
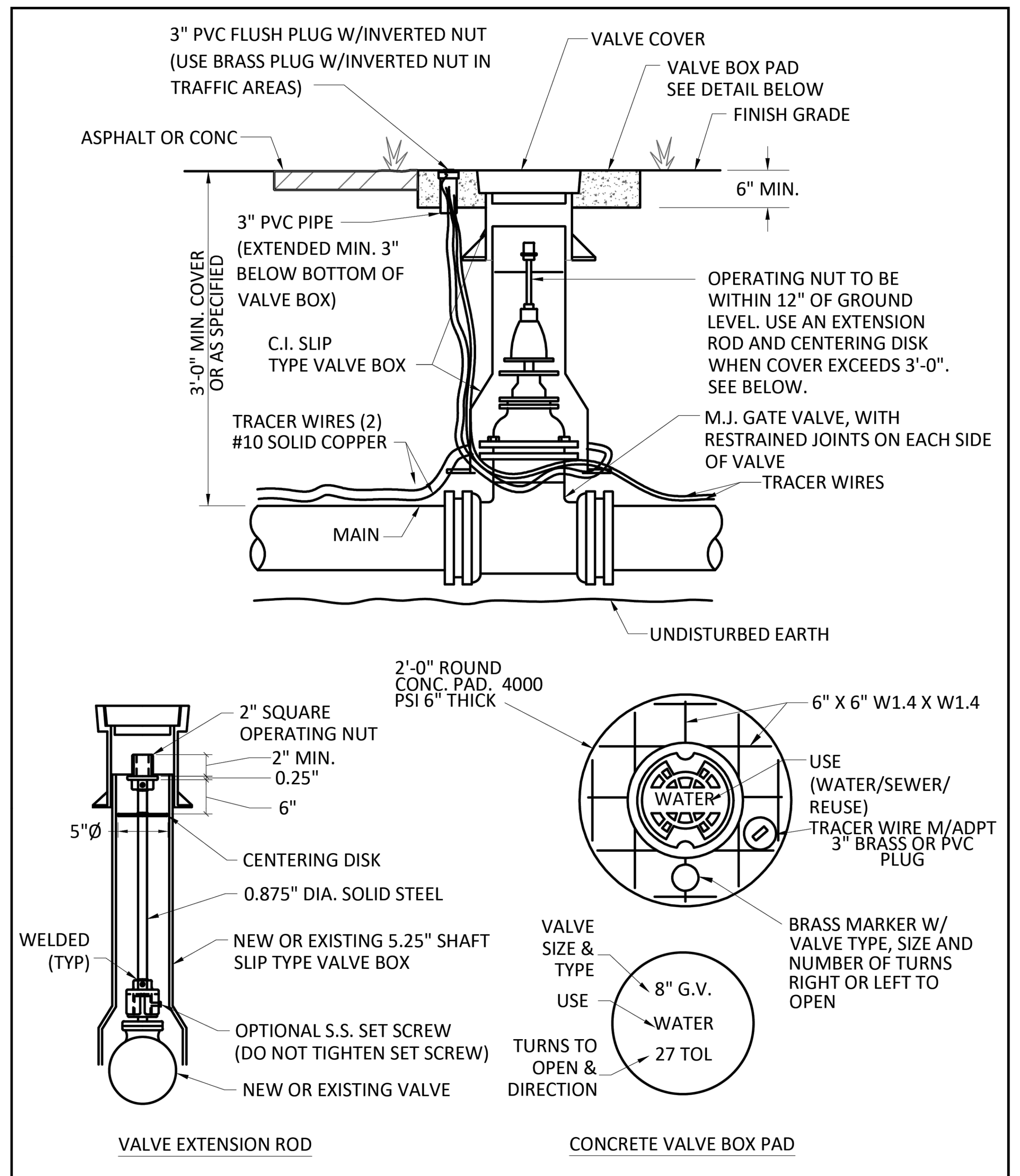
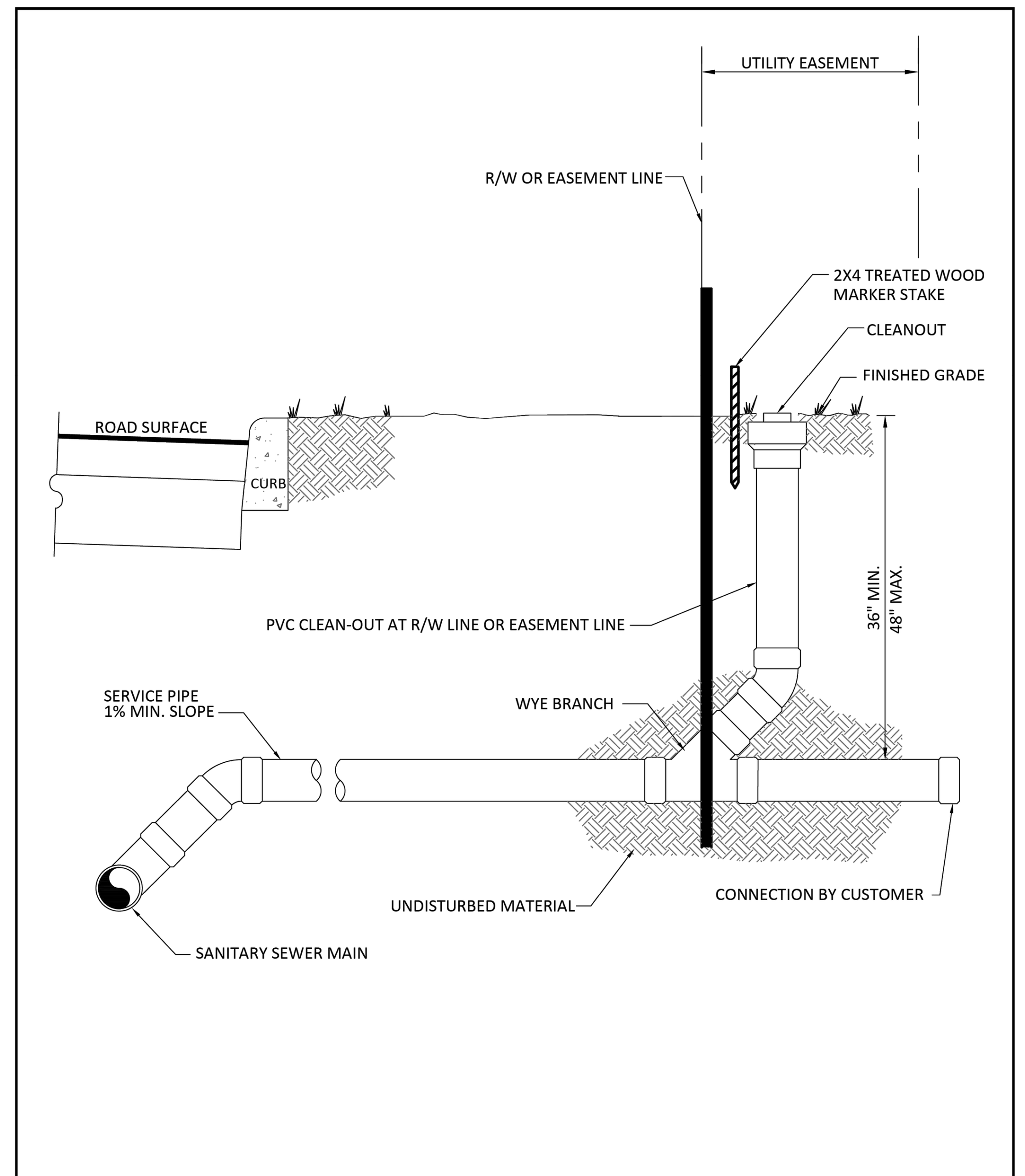


CREATED	JUNE 2017	PIPE LAYING CONDITIONS UNPAVED AREAS	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	MAY 2021	PASCO COUNTY UTILITIES	DETAIL G2



CREATED	DEC 2020	VALVE BOX SLIP TYPE	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.
REVISED	MAY 2021	PASCO COUNTY UTILITIES	DETAIL G5



CREATED	FEB 2021	SANITARY SEWER – SINGLE WYE CONNECTION AND TYPICAL CLEAN-OUT	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	MAY 2021	PASCO COUNTY UTILITIES	DETAIL S6

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH RULE 2-555.314, F.A.C.

The following table summarizes the required separation distances from public water mains to other pipes as provided in rule 62-62-555.314, F.A.C.

Separation Requirements for Public Water System Mains:

Other Pipe	Horizontal Separation (X)	Crossings Vertical Separation (Y)	Joint Spacing (Z) @ Crossings (Full Joint Centered)
	WATER MAIN X	WATER MAIN Y	Z WATER MAIN
• **Storm Sewers** • **Stormwater Force Mains** • **Reclaimed Water Pipelines regulated under Part III of Chapter 62-610, F.A.C.**	3ft. minimum	For water main installed above other pipe (preferred), 12 inches is the minimum except for storm sewer, then 6 inches is the minimum and 12 inches is preferred 12 inches minimum if water main is below other pipe	Alternate 3 ft. minimum
• **Vacuum Sanitary Sewer**	10 ft. preferred 3 ft. minimum	For water main installed above other pipe, 12 inches preferred and 6 inches minimum 12 inches minimum if water main below other pipe	Alternate 3 ft. minimum
• **Gravity or Pressure Sanitary Sewer** • **Sanitary sewer Force Main** • **Reclaimed Water Pipelines not regulated under Part III of Chapter 62-610, F.A.C.**	10 ft. preferred 6 ft. minimum (note – 3 ft. minimum for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer)	For water main installed above other pipe (preferred), 12 inches is the minimum except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred 12 inches minimum if water main is below other pipe	Alternate 6 ft. minimum
• **On-Site Sewage Treatment & Disposal System**	10 ft. minimum	NA	NA

Disclaimer – This document is provided for your convenience only. Please refer to Rule 62-555.314, F.A.C., for exceptions and additional construction requirements.

CREATED	JUNE 2017	LOCATION OF PUBLIC WATER SYSTEM MAINS IN A ACCORDANCE TO 66-555.314.F.A.C.	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	MAY 2021	PASCO COUNTY UTILITIES	DETAIL G19

605.24 JOINTS BETWEEN DIFFERENT MATERIALS

JOINTS BETWEEN DIFFERENT MATERIAL SHALL BE MADE WITH A MECHANICAL JOINT OF COMPRESSION OR MECHANICAL-SEALING TYPE. OR AS PERMITTED IN SECTION 605.24.1, 605.24.2 AND 605.24.3. CONNECTORS OR ADAPTERS SHALL HAVE AN ELASTOMERIC SEAL CONFORMING TO ASTM F477.
JOINTS SHALL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.

605.24.1 COPPER OR COPPER-ALLOY TUBING TO GALVANIZED STEEL PIPE.

JOINTS BETWEEN COPPER OR COPPER-ALLOY TUBING AND GALVANIZED STEEL PIPE SHALL BE MADE WITH A BRASS FITTING OR DIELECTRIC UNION CONFORMING TO ASSE 1079. THE COPPER TUBING SHALL BE SOLDERED TO THE FITTING IN AN APPROVED MANNER, AND THE FITTING SHALL BE SCREWED TO THE THREADED PIPE

605.24.2 PLASTIC PIPE OR TUBING TO OTHER PIPING MATERIALS

JOINTS BETWEEN DIFFERENT TYPES OF PLASTIC PIPE AND OTHER PIPING MATERIALS SHALL BE MADE WITH APPROVED ADAPTERS OR TRANSITION FITTINGS

605.24.3 STAINLESS STEEL

JOINTS BETWEEN STAINLESS STEEL AND DIFFERENT PIPING MATERIALS SHALL BE MADE WITH A MECHANICAL SEALING TYPE OR A DIELECTRIC FITTING OR DIELECTRIC UNION CONFORMING TO ASSE 1079

607.3 THERMAL EXPANSION CONTROL

WHERE A STORAGE WATER HEATER IS SUPPLIED WITH COLD WATER PASSING THROUGH A CHECK VALVE. PRESSURE REDUCING VALVE OR BACKFLOW PREVENTER, A THERMAL EXPANSION CONTROL DEVICE SHALL BE CONNECTED TO THE WATER HEATER COLD WATER SUPPLY AT A POINT THAT IS DOWNSTREAM OF ALL CHECK VALVES, PRESSURE REDUCING VALVE AND BACKFLOW PREVENTER. THERMAL EXPANSION CONTROL DEVICES SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SIZED SUCH THAT THE PRESSURE IN THE DISTRIBUTION SYSTEM SHALL NOT EXCEED THAT REQUIRED BY SECTION 604.8

305.7 PROTECTION OF COMPONENTS OF PLUMBING SYSTEM

COMPONENTS OF A PLUMBING SYSTEM INSTALLED ALONG ALLEYWAYS, DRIVEWAYS, PARKING GARAGES OR OTHER LOCATIONS EXPOSED TO DAMAGE SHALL BE RECESSED INTO THE WALL OR OTHERWISE PROTECTED IN AN APPROVED MANNER.

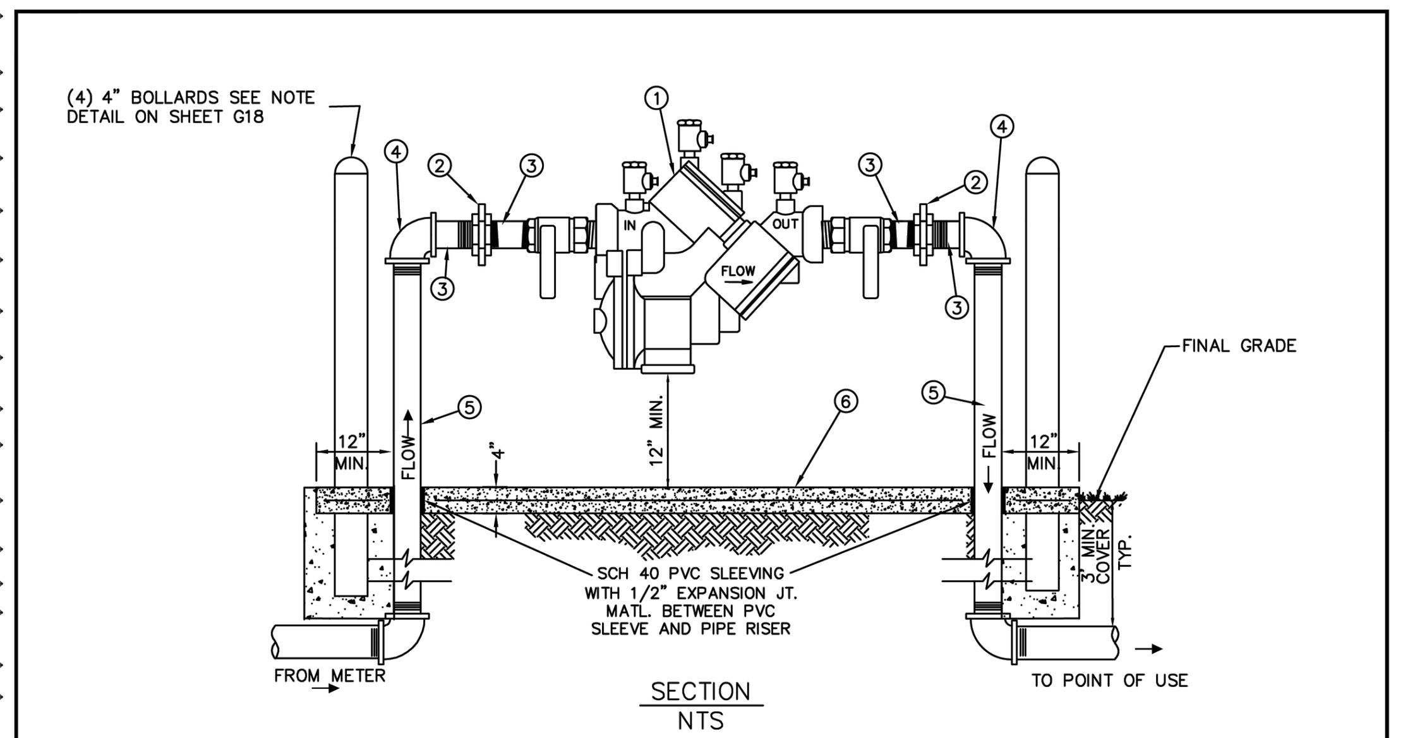
608.14 LOCATION OF BACKFLOW PREVENTER

ACCESS SHALL BE PROVIDED TO BACKFLOW PREVENTER AS SPECIFIED BY THE MANUFACTURERS SPECIFICATIONS

605.2.1 LEAD CONTENT OF DRINKING WATER PIPE AND FITTINGS.

PIPE, PIPE FITTINGS, JOINTS, VALVES, FAUCETS AND FIXTURE FITTINGS UTILIZED TO SUPPLY WATER FOR DRINKING OR COOKING PURPOSES SHALL COMPLY WITH NSF 372 AND SHALL HAVE A WEIGHTED AVERAGE CONTENT OF 0.25% OR LESS

CREATED	FEB 2003	NOTES (FLORIDA PLUMBING CODES)	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	JAN 2014 AUG 2015 AUG 2019	PASCO COUNTY UTILITIES	DETAIL W4



SECTION
NTS

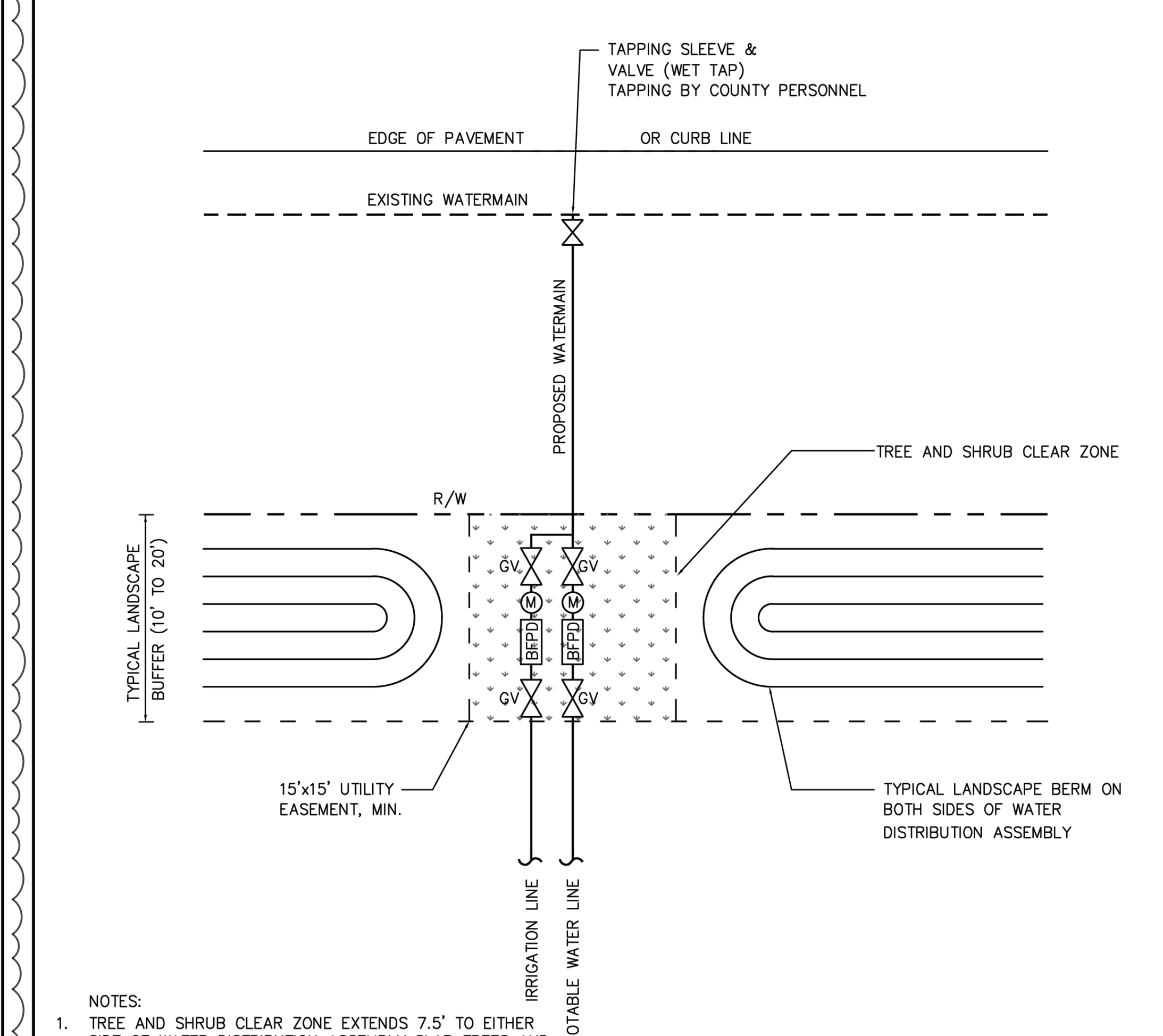
MATERIALS		
ITEM	QUANT.	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE (RPZ) W/ 2 BALL VALVES-BRASS
2	2	UNIONS-BRASS OR S.S.
3	4	NIPPLES-BRASS OR S.S.
4	2	ELBOWS 90°-BRASS OR S.S.
5	2	RISER -BRASS OR S.S.
6	*	CONCRETE SLAB 4" THICK W/ 6"x6" 10/10 W.W.F. OR FIBERMESH REINFORCING

NOTES:
- MINIMUM CLEARANCE OF 12" TO BE MAINTAINED AROUND DEVICE FOR TESTING
- ENTIRE ASSEMBLY SHALL BE INSTALLED LEVEL AND PLUMB THEN TO BE PAINTED SAFETY BLUE.
- CONCRETE SLAB TO EXTEND 12" MIN. AROUND ENTIRE BFP ASSEMBLY.
- DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
- ALL MATERIALS SHALL BE N.S.F. APPROVED.
- CONTRACTOR SHALL TEST AND CERTIFY BACKFLOW PREVENTION DEVICE.
- IF STAINLESS STEEL IS USED, CONTRACTOR IS RESPONSIBLE TO PROVIDE TRANSITION FITTINGS AND/OR DIELECTRIC COUPLINGS AS APPROPRIATE WHERE CHANGING FROM BRASS TO S.S.

CREATED	02/24/03	REDUCED PRESSURE BACKFLOW PREVENTER ASSY. (SINGLE SERVICE: 3/4", 1", 1-1/2", 2")	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	AUG 2015 JULY 2019 AUG 2019	PASCO COUNTY UTILITIES	DETAIL W8

NOTES:
- FIELD ADJUST AND CUT ITEM 6 TO THE PROPER LENGTH.
- BFP DEVICE TO BE INSTALLED LEVEL AND PLUMB.
- MINIMUM CLEARANCE OF 12" TO BE MAINTAINED AROUND ENTIRE BFP ASSEMBLY FOR TESTING
- ENTIRE ASSEMBLY TO BE INSTALLED LEVEL AND PLUMB THEN PAINTED SAFETY BLUE.
- CONCRETE SLAB TO EXTEND 12" MIN. AROUND ENTIRE BFP ASSEMBLY.
- DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
- CONTRACTOR SHALL TEST AND CERTIFY BACKFLOW PREVENTION DEVICE.
- IF STAINLESS STEEL IS USED, CONTRACTOR IS RESPONSIBLE TO PROVIDE TRANSITION FITTINGS AND/OR DIELECTRIC UNIONS AS APPROPRIATE WHERE CHANGING FROM BRASS TO S.S.

CREATED	FEB 2003	REDUCED PRESSURE BACKFLOW PREVENTER ASSY. PARALLEL INSTALLATION NOTES (3/4", 1", 1-1/2", 2")	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	MAY 2021 - -	PASCO COUNTY UTILITIES	DETAIL W9A



NOTES:
1. TREE AND SHRUB CLEAR ZONE EXTENDS 7.5' TO EITHER SIDE OF WATER DISTRIBUTION ASSEMBLY SLAB TREES AND SHRUBS MUST NOT BE PLANTED IN THE TREE CLEAR ZONE.
2. TREE AND SHRUB CLEAR ZONES ARE ESTABLISHED TO PROTECT WATER MAIN LINE FROM DAMAGE CAUSED BY GROWTH OF ROOT SYSTEMS.
3. REFER TO VARIOUS METER AND/OR BACKFLOW ASSEMBLY DETAILS FOR CLEARANCE / SPACING REQUIRMENTS BETWEEN PARALLEL ASSEMBLIES.
4. NOTE THAT THE MINIMUM 15' X 15' UTILITY EASEMENT MAY NEED TO BE LARGER AS NECESSARY TO ACCOMMODATE ASSEMBLY LENGTHS AND/OR WIDTHS AS REQUIRED TO MEET ASSEMBLY CLEARANCE / SPACING CRITERIA.

LEGEND

TREE AND SHRUB CLEAR ZONE

CREATED	FEB 2003	WATER CONNECTION ASSEMBLY WITHOUT FIRE PROTECTION TYPICAL LAYOUT	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	JAN 2014 AUG 2015 AUG 2019	PASCO COUNTY UTILITIES	DETAIL W12

HEIDT DESIGN
Civil Engineering • Planning & GIS
Transportation Engineering
Ecological Services • Landscape Architecture
Landscape Architecture Certificate of Authorization No. LC26000405
5904-A Hampton Oaks Pkwy.
Tampa, Florida 33610
Office: 813-253-5311
Fax: 813-464-7629
www.HeidtDesign.com

SOLETA AMENITY CENTER
WATER & SEWER DETAILS
PREPARED FOR: DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	REMOVE DET W5, ADD DET W9A
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	WSD
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

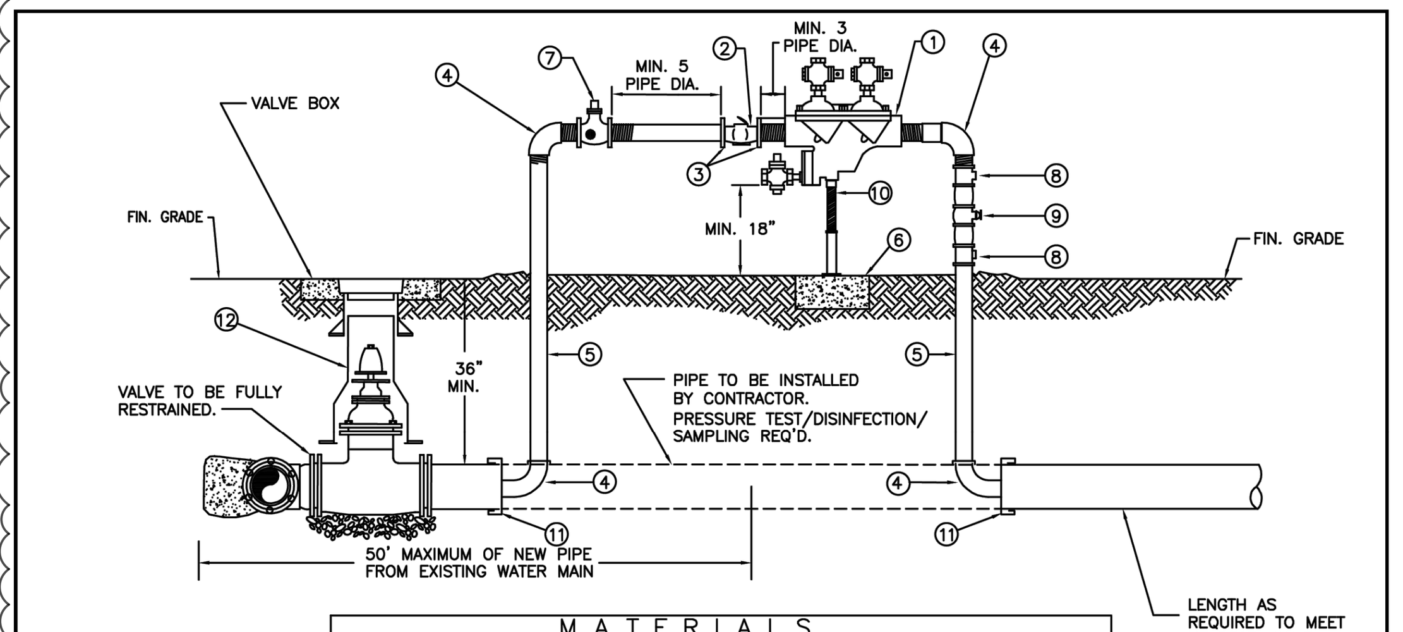
This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-601

R:\STARKEY RANCH\BLUEBERRY FARM AMENITY CENTER\ENGINEERING\WMD\WSD DWG-C-601 2026/03/10 9:43 AM CAMRON JOHNSON



MATERIALS		
ITEM	QUANT.	DESCRIPTION
1	1	2" BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	1	2" METER FURNISHED BY PASCO COUNTY UTILITIES
3	2	BRASS–METER FLANGES OR ADAPTORS
4	2	2" ELBOWS – BRASS OR S.S. 90° THREADED *
5	2	2" RISER – BRASS OR S.S. *
6	*	CONCRETE SLAB
7	1	2" VALVE – LOCK–WING OVAL FLANGED BALL VALVE (BRASS OR SS)
8	2	2" TEE/ VALVES – BRASS OR S.S. *
9	1	2" GATE VALVE – BRASS OR S.S. *
10	1	PIPE STAND (SUPPORT)
11	2	M.J. CAP WITH 2" TAP, 90°, THREADED, BEND
12	2	GATE VALVE AND BOX

* BECAUSE ASSEMBLY IS TEMPORARY, PASCO COUNTY WILL ALLOW GALVANIZED FITTINGS AS AN ALTERNATIVE.

NOTE:
- CONTRACTOR/CUSTOMER SHALL APPLY AT PASCO COUNTY UTILITIES CUSTOMER SERVICE (727–847–8131) FOR TEMPORARY WATER SERVICE AT LEAST THREE DAYS PRIOR TO REQUIRED SERVICE DATE.
- THE METER WILL BE FURNISHED, INSTALLED AND INITIAL READING TAKEN BY PASCO COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS INCLUDING THE PASCO COUNTY APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER.
- CONTRACTOR/CUSTOMER FURNISHED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED BEFORE THE METER IS INSTALLED BY PASCO COUNTY UTILITIES. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY CONTRACTOR. UTILITIES CERTIFIED BACKFLOW PREVENTION TECHNICIAN AT TIME OF METER INSTALLATION.
- CONTRACTOR/CUSTOMER SHALL PROTECT THE JUMPER/METER ASSEMBLY FROM DAMAGE.
- CONTRACTOR/CUSTOMER IS RESPONSIBLE FOR BACTERIOLOGICAL TESTING AFTER CONNECTION OF TEMPORARY WATER SERVICE.
- TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED BY PASCO COUNTY UTILITIES.
- WHEN THE NEW SYSTEM IS ACCEPTED AND THE FINAL METER READING TAKEN BY PASCO COUNTY, THE TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY MUST BE COMPLETELY REMOVED FROM M.J CAP TO M.J. CAP AND A NEW WATER MAIN IS TO BE CHLORINATED AND INSTALLED COMPLETING THE FINAL CONNECTION.
- BY APPLYING FOR SERVICE, CONTRACTOR/CUSTOMER AGREES TO TAKE WATER SERVICE FROM PASCO COUNTY UTILITIES IN ACCORDANCE WITH THE APPROPRIATE RATE SCHEDULE AND IN ACCORDANCE WITH PASCO COUNTY UTILITIES RULES AND REGULATION.
- IF STAINLESS STEEL IS USED, CONTRACTOR IS RESPONSIBLE TO PROVIDE TRANSITION FITTINGS AND/OR DIELECTRIC UNIONS AS APPROPRIATE WHERE CHANGING FROM BRASS TO S.S.

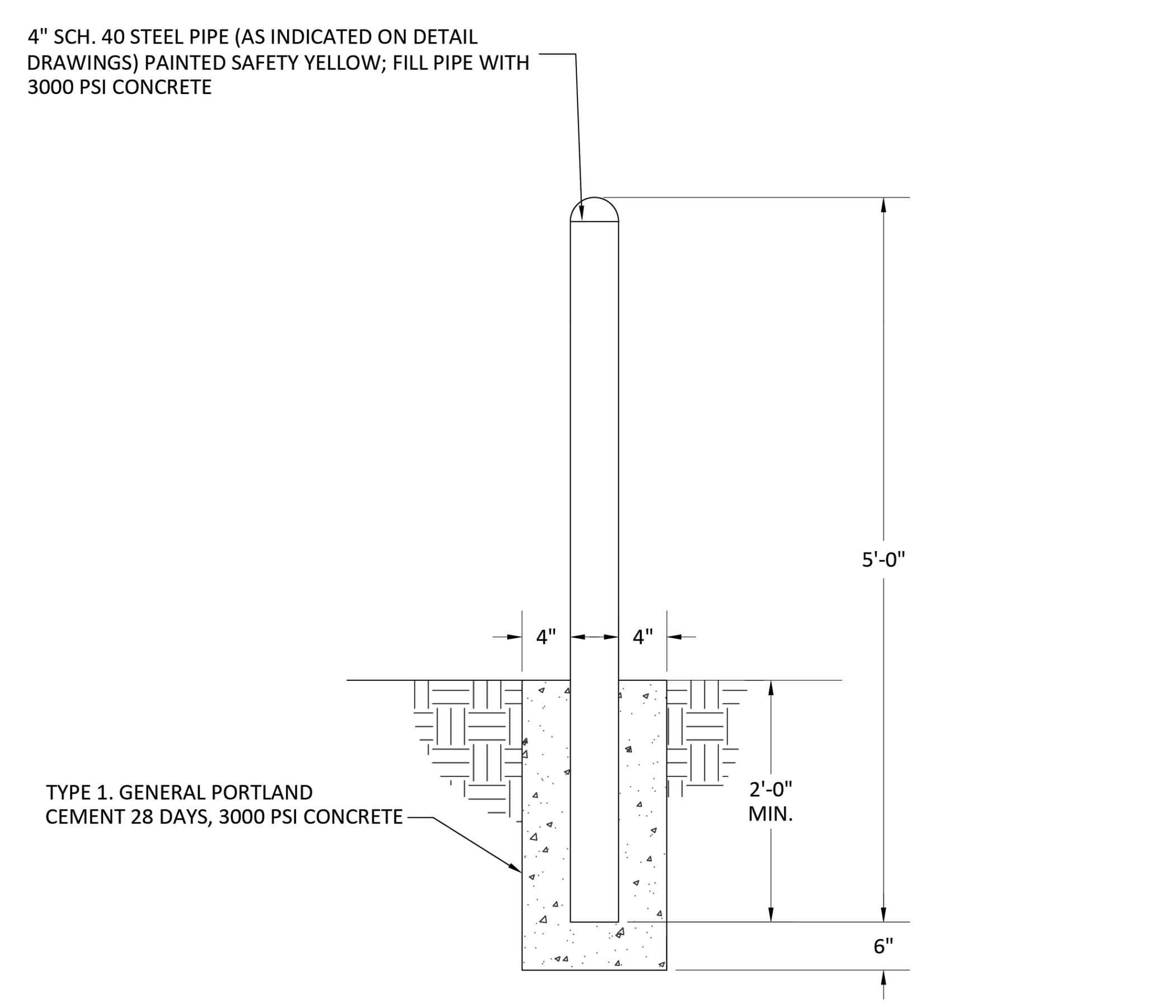
CREATED FEB 2003
REVISED JAN 2014, MAY 2016, JUNE 2019

TEMPORARY CONSTRUCTION WATER SERVICE (JUMPER METER)

PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL W1



NOTE:
IF THE METER ASSEMBLY IS LOCATED WITHIN A TRAFFIC / VEHICLE AREA (PARKING LOT, DRIVEWAY, OR WITHIN 15 FEET OF EDGE OF PAVEMENT OR BACK OF CURB), ABOVE GROUND METERS UP TO 2 INCHES SHALL HAVE A MINIMUM OF FOUR TRAFFIC BOLLARD PROTECTION POSTS AND FOR ABOVE GROUND METERS 3 INCHES AND LARGER A MINIMUM OF 6 TRAFFIC BOLLARDS ARE REQUIRED.

CREATED FEB 2021
REVISED MAY 2021

BOLLARD POST DETAIL

PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL G18

SEE NOTES DETAIL G–11

		4"	6"	8"	12"	16"	18"	20"	24"	30"
L	6"	31(44)								
A	8"	55(79)	32(46)							
R	12"	94(134)	79(113)	57(82)						
G	16"		117(166)	101(144)	59(84)					
E	18"			120(171)	83(118)	31(44)				
	20"				104(149)	58(83)	31(44)	58(83)		
E	24"				143(204)	106(151)	83(119)	58(83)		
N	30"					163(232)	145(207)	126(180)	81(115)	
D	36"							181(258)	145(207)	80(114)
	48"							266(381)	241(345)	196(280)

REDUCER RESTRAINED JOINTS (150 PSI)
MINIMUM LINEAR FEET OF BRANCH PIPE TO BE RESTRAINED FROM JOINT TEE

TEE

		BRANCH										
		4"	6"	8"	12"	16"	18"	20"	24"	30"	36"	48"
	4"	21(29)										
	6"	10(15)	38(54)									
	8"	0(0)	30(43)	55(78)								
R	12"	0(0)	15(21)	43(62)	86(123)							
U	16"		0(0)	30(43)	78(111)	116(185)						
N	18"		0(0)	24(34)	73(104)	112(161)	130(186)					
	20"		0(0)	16(23)	68(98)	109(156)	127(181)	143(205)				
	24"		0(0)	1(2)	58(83)	102(145)	120(172)	128(197)	170(243)			
	30"		0(0)	0(0)	42(61)	90(128)	110(157)	129(184)	163(233)	207(296)		
	36"			0(0)	25(35)	77(110)	99(141)	118(169)	155(221)	201(287)	241(344)	
	48"				0(0)	48(68)	73(104)	96(136)	136(194)	186(266)	229(328)	300(429)

TEE RESTRAINED JOINTS (150 PSI)
MINIMUM LINEAR FEET OF BRANCH PIPE TO BE RESTRAINED FROM JOINT TEE

PIPE SIZE	4"	6"	8"	12"	16"	18"	20"	24"	30"	36"	48"
CAPPED ENDS	–	–	–	–	–	–	–	–	–	–	–
90° BENDS	42(60)	59(85)	77(110)	108(155)	138(198)	153(218)	166(238)	194(277)	231(330)	265(379)	325(465)
45° BENDS	17(25)	25(35)	32(45)	45(64)	57(82)	63(90)	69(987)	80(115)	96(137)	110(157)	135(192)
22 1/2° BENDS	8(12)	12(17)	15(22)	22(31)	28(39)	30(43)	33(47)	39(55)	46(66)	53(75)	65(92)
11 1/4° BENDS	4(6)	6(8)	8(11)	11(15)	14(19)	15(21)	16(23)	19(27)	23(32)	26(37)	32(46)
VALVE	–	–	–	–	–	–	–	–	–	–	–

DUCTILE IRON RESTRAINED JOINTS FOR VERTICALLY ORIENTED FITTINGS (150 PSI)
MINIMUM LINEAR FEET OF PIPE TO BE RESTRAINED JOINTS TEE AT BENDS VALVE OR END CAPS

PIPE SIZE	4"	6"	8"	12"	16"	18"	20"	24"	30"	36"	48"
CAPPED ENDS	42(60)	59(85)	77(110)	108(155)	138(198)	153(218)	166(238)	194(277)	231(330)	265(379)	325(465)
90° BENDS	20(24)	29(33)	37(43)	51(60)	65(76)	72(83)	78(90)	89(104)	104(122)	120(138)	144(167)
45° BENDS	8(10)	12(14)	15(18)	21(25)	27(31)	30(35)	32(37)	37(43)	44(52)	50(57)	60(69)
22 1/2° BENDS	4(5)	6(7)	7(9)	10(12)	13(15)	15(17)	16(18)	18(21)	21(24)	24(28)	29(33)
11 1/4° BENDS	2(2)	3(3)	4(4)	5(6)	7(8)	8(9)	8(9)	9(11)	11(12)	12(14)	14(16)
VALVE	35(50)	49(71)	64(92)	90(130)	115(165)	128(182)	139(198)	160(230)	193(275)	220(320)	325(465)

DUCTILE IRON RESTRAINED JOINTS FOR HORIZONTAL FITTINGS (150 PSI)
MINIMUM LINEAR FEET OF PIPE TO BE RESTRAINED JOINTS TEE AT BENDS VALVE OR END CAPS

* NUMBER IN PARENTHESIS REPRESENTS LINEAL FEET OF RESTRAINT FOR POLY WRAP AND FOR PVC PIPE

CREATED JULY 2015
REVISED NOV. 2015, MAY 2016, JUNE 2017

RESTRAINED JOINT TABLES

PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL G10

RESTRAINED JOINT NOTES

1. THE PROGRAM, "THRUST RESTRAINT" DISTRIBUTED BY THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) WAS USED TO CALCULATE THE LENGTH OF RESTRAINED JOINTS BASED ON TYPE 3 STANDARD ANSI/AWWA C150/A21.50 LAYING CONDITIONS FOR DUCTILE IRON PIPE. SANDY/ SILTY SOIL 3.0 FT MIN. COVERAGE AND 150PSI OPERATING PRESSURE APPROPRIATE ADJUSTMENTS MUST BE MADE FOR DEVIATIONS FROM THESE ASSUMPTIONS.
2. SELECTED COMMON FILL FROM ORIGINAL EXCAVATION, SEE SPECIFICATIONS.
3. USE OF ALTERNATIVE TYPES OF PIPE BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER.
4. FOR COMBINED BENDS FORMING OFFSETS, THE LENGTHS QUOTED SHALL BE DOUBLED AND PROVIDED EACH SIDE OF THE CENTROID OF THE OFFSET.
5. VALVES LOCATED NEAR BENDS OR TEES SHALL TAKE ACCOUNT OF ADDITIONAL PASSIVE SOIL RESISTANCE.
6. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION, DEWATER AS NECESSARY.
7. EXISTING CONCRETE / ASPHALT SURFACES AND BASE SHALL BE CUT SQUARE WITH CONCRETE SAW.
8. ALL FITTINGS AND VALVES SHALL BE MECHANICALLY RESTRAINED. IN ADDITION TO THE FITTING BEING RESTRAINED, THE MINIMUM LINEAR FEET TO BE RESTRAINED ON BOTH SIDES OF THE FITTING SHALL BE AS SHOWN IN THE TABLE UNLESS OTHERWISE NOTED. THE RESTRAINED JOINT LENGTH FOR DUCTILE IRON PIPE ARE AS SHOWN. APPROPRIATE ADJUSTMENTS MUST BE MADE FOR PIPE MATERIALS OTHER THAN DUCTILE IRON.
9. IF THE PIPE IS DEFLECTED, THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE 75% OF THE MANUFACTURERS RECOMMENDED DEFLECTION, FOR THE JOINT TYPE USED.
10. RESTRAINED JOINTS IN CARRIER PIPES (JACK AND BORE) SHALL NOT BE INCLUDED IN RESTRAINED LENGTHS.

* NUMBERS IN PARENTHESES REPRESENT LINEAL FEET OF RESTRAINT FOR POLY WRAPPED DIP AND FOR PVC PIPE.

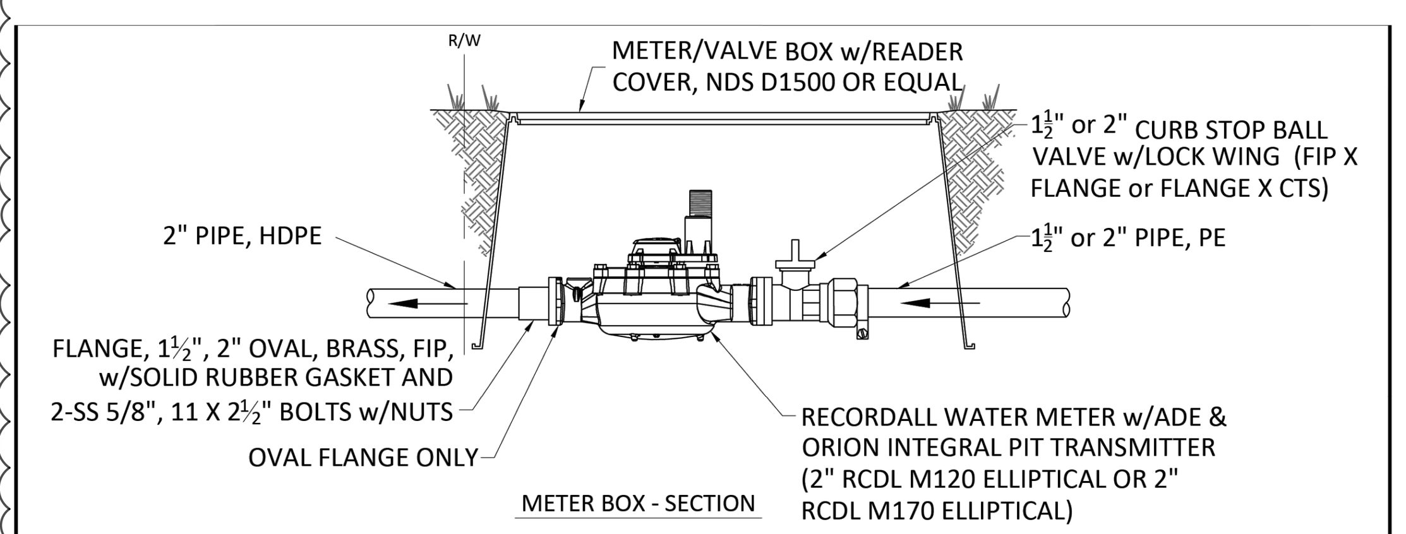
CREATED JULY 2015
REVISED NOV. 2015, MAY 2016, JUNE 2017

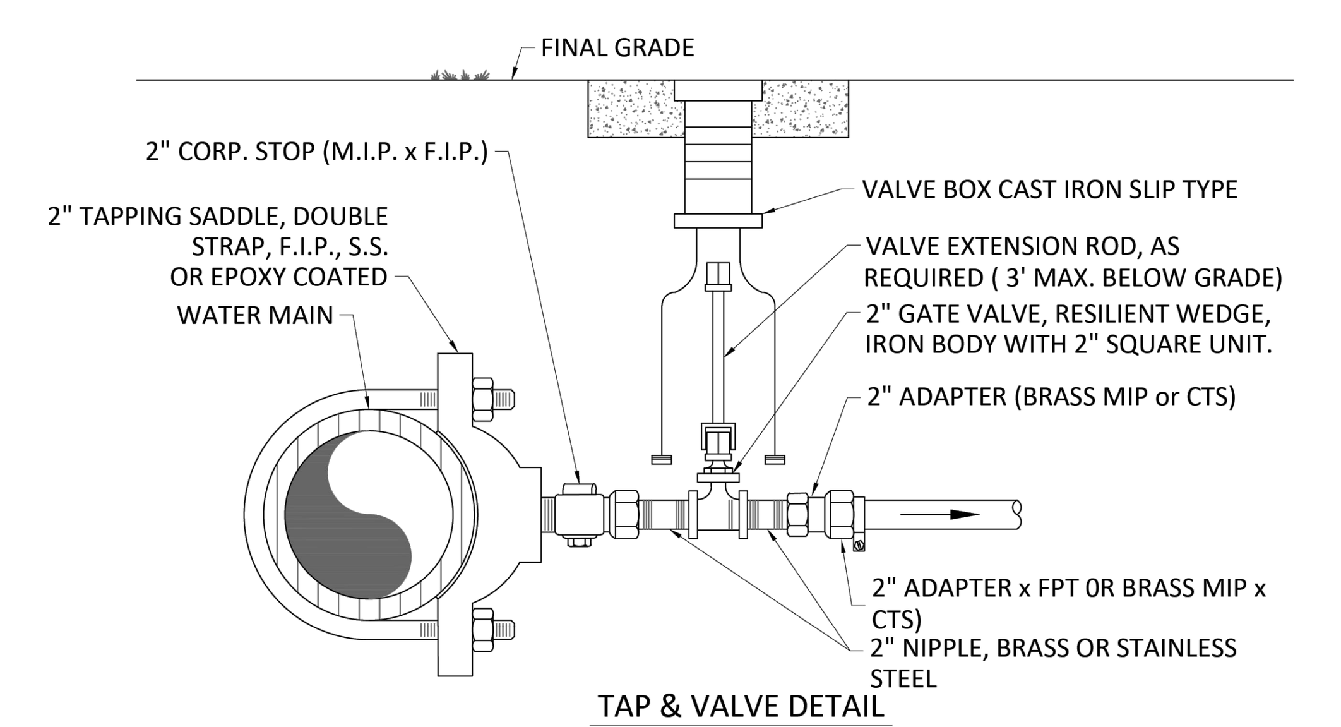
RESTRAINED JOINT NOTES

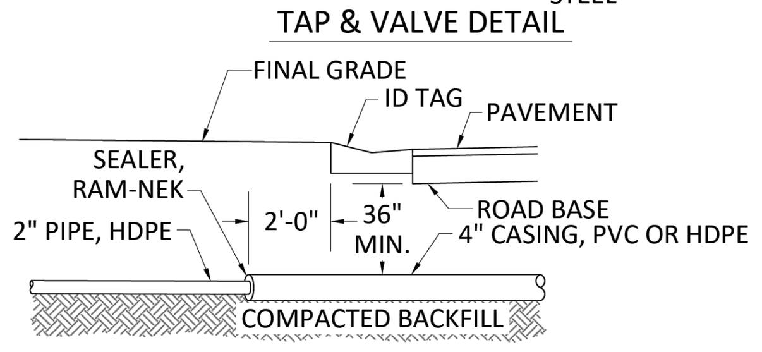
PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL G11







CREATED NOV 2020
REVISED MAY 2021

AMR METER SERVICE INSTALLATION 1-1/2" or 2"

PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL G14

NOTES:
- ALL COMMERCIAL METERS 1½" TO 2'' SHALL BE RPZ PROTECTED
- AN RPZ BFP IS REQUIRED ON POTABLE SERVICE SIDE (COMMERCIAL & RESIDENTIAL) WHEN CUSTOMER HAS REUSE AVAILABLE.
- METER BOX TO BE LOCATED OUTSIDE R.O.W. WITHIN UTILITY EASEMENT.
- TOP OF BOX TO BE AT FINISHED GRADE.
- POTABLE WATER METERS INCLUDE A 'BLACK' REGISTER LID & SHROUD SUPPLIED AND INSTALLED BY PCU.
- METER/VALVE BOX & COVER ARE 'BLACK' FOR POTABLE APPLICATION, SUPPLIED AND INSTALLED BY PCU.
- TUBING TO BE YARDLEY PIPE 3406 OR EQUAL.
- SADDLES 2" - 3" TO BE BRASS FULL CIRCLE TYPE.
- SADDLES 4" AND LARGER TO BE DUCTILE IRON DUAL STRAP TYPE.

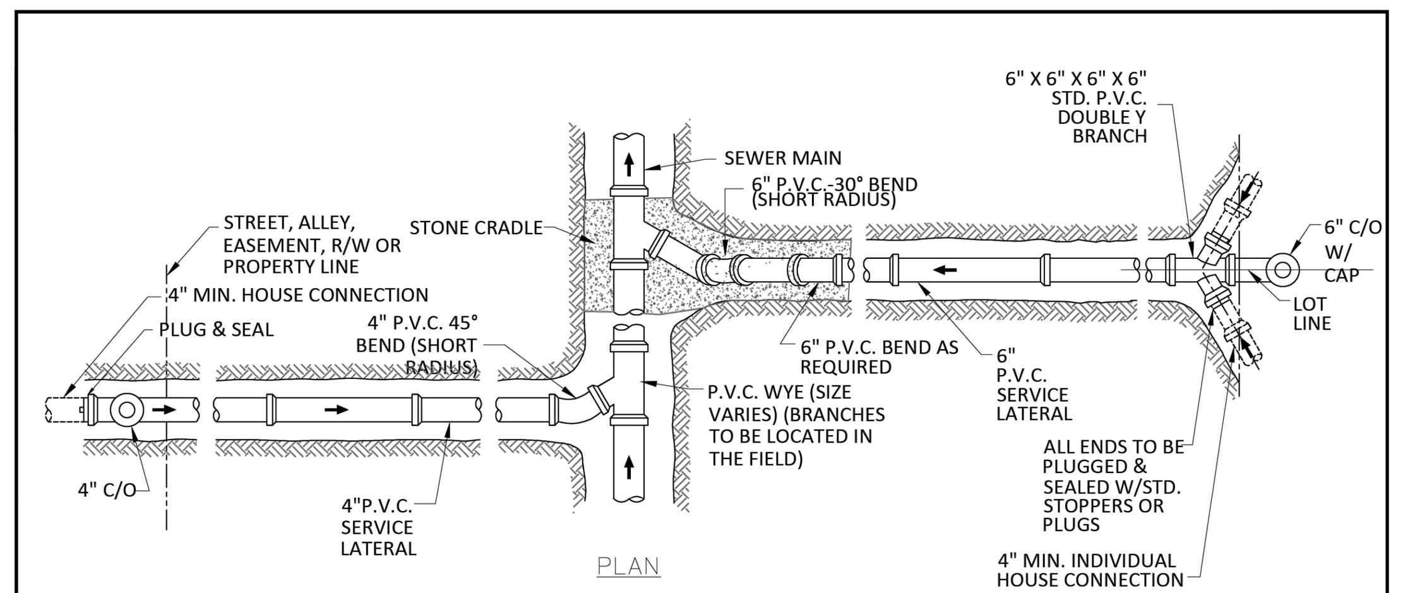
CREATED NOV 2020
REVISED MAY 2021

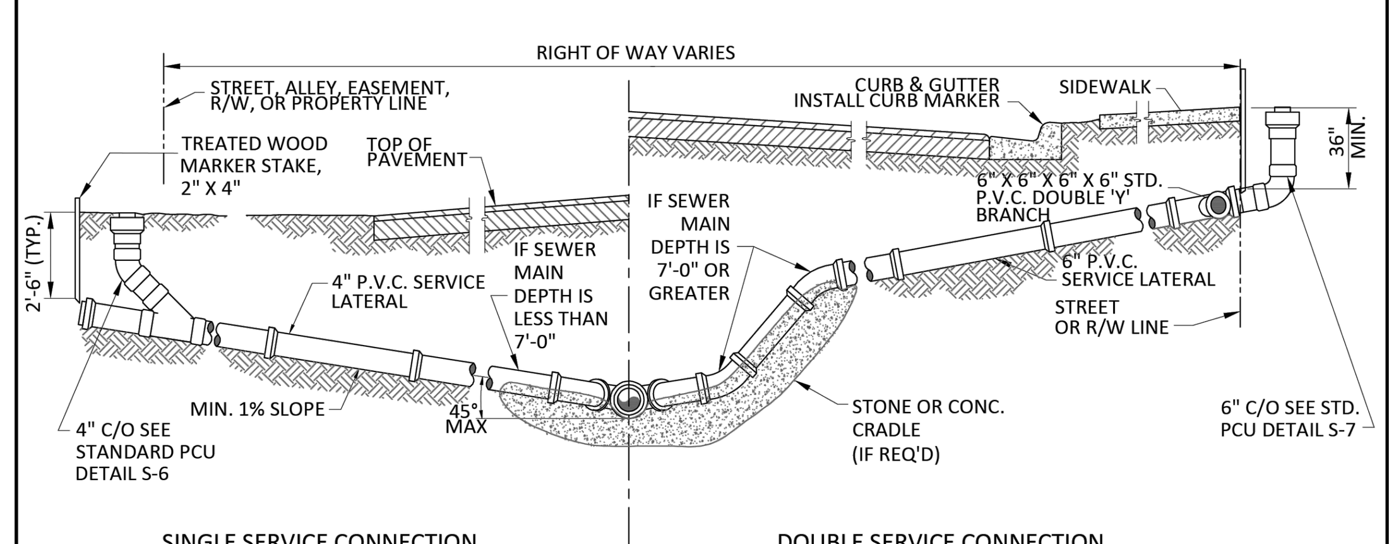
AMR METER SERVICE INSTALLATION 1-1/2" or 2" NOTES

PASCO COUNTY UTILITIES

PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL

DETAIL G14A





NOTES:
- CONTRACTOR SHALL MAKE, ON A CLEAN SET OF PLANS, THE FINAL STATIONING OR DISTANCE AND DIRECTION FROM MANHOLE OF EACH SERVICE LATERAL AND THEN GIVE TO ENGINEER FOR RECORD PURPOSES.
- PROVIDE 2" x 4" PRESSURE TREATED WOOD MARKER STAKE AT ALL SANITARY SERVICES (INCLUDE IN PIPE PRICE), TOP OF STAKE TO BE PAINTED WITH GREEN PAINT.
- THE MINIMUM DIAMETER OF SINGLE SERVICE LATERALS SHALL BE 4".THE MINIMUM DIAMETER OF DOUBLE SERVICE LATERALS SHALL BE 6".
- REFER TO STANDARD PCU DETAIL G-9 FOR CLEARANCE CRITERIA.
- SEWER SERVICES MUST NOT BE LOCATED IN REAR YARDS.

CREATED FEB 2021
REVISED MAY 2021

SANITARY SEWER LATERAL CONNECTION

PASCO COUNTY UTILITIES

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DETAIL S4

HEIDT DESIGN
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Transportation Engineering
Ecological Services • Landscape Architecture
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SOLETA AMENITY CENTER

WATER & SEWER DETAILS

PREPARED FOR: DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	NEW SHEET, DETAILS

PROJECT NO: DWH-SR-1021
FILE: WSD
DESIGN BY: C. JOHNSON
DRAWN BY: C. JOHNSON

STATE OF FLORIDA PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-602

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STORM WATER POLLUTION PREVENTION PLAN

CONTAINED IN THESE PLANS AND WITHIN THE FOLLOWING NOTES IS A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TEMPLATE WHICH HAS BEEN DEVELOPED BY HEIDT DESIGN, LLC. CONTRACTOR IS RESPONSIBLE FOR COMPLETING, IMPLEMENTING AND MAINTAINING THE SWPPP THROUGHOUT CONSTRUCTION.

THE FOLLOWING ENTITIES ARE IDENTIFIED AS TEAM MEMBERS OF "SWPPP": HEIDT DESIGN, LLC, THE DEVELOPER AS IDENTIFIED IN THE TITLE BOX OF THESE PLANS, AND THE SITE CONTRACTOR AND HIS SUB-CONTRACTORS. EACH TEAM MEMBER HAS SPECIFIC RESPONSIBILITIES AND OBLIGATIONS. IN GENERAL, ALL TEAM MEMBERS, WITH REGARD TO THEIR INVOLVEMENT AND RESPONSIBILITIES ON THE PROJECT, ARE TO IMPLEMENT ALL NECESSARY STORM WATER MANAGEMENT CONTROLS TO ASSURE COMPLIANCE WITH THE NPDES GENERIC PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMIT, THE APPLICABLE LOCAL GOVERNING AGENCY (I.E. HILLSBOROUGH COUNTY, PASCO COUNTY, CITY OF TAMPA, ETC.) AND THE GUIDELINES LISTED IN THE SWPPP. THE DUTIES AND RESPONSIBILITIES OF THE TEAM MEMBERS AS THEY PERTAIN TO THE SWPPP ARE AS FOLLOWS:

HEIDT DESIGN, LLC:

A. DEVELOP SWPPP SITE MAP AND GUIDELINES INCLUDING, BUT NOT LIMITED TO, RETENTION/DETENTION PONDS, CONTROL STRUCTURES, EROSION CONTROL METHODS AND LOCATIONS AND STABILIZATION CRITERIA. THIS DESIGN IS INCLUDED WITHIN THESE CONSTRUCTION PLANS AND THE FOLLOWING NOTES AND INSTRUCTIONS.

B. SUBMIT AND OBTAIN THE NECESSARY DESIGN RELATED STORM WATER PERMITS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND OTHER APPLICABLE GOVERNMENTAL BODIES.

C. UPON NOTIFICATION BY THE DEVELOPER OF HIS INTENT TO COMMENCE CONSTRUCTION, SUBMIT A NOTICE OF INTENT TO THE FDEP ON BEHALF OF THE DEVELOPER AND COPY THE CONTRACTOR INCLUDING SWPPP CERTIFICATION AND COPY OF THE PERMIT.

D. SUBMIT TO SWFWMD AND THE OPERATOR OF THE MUNICIPAL SEPARATE STORM WATER SYSTEM, IF APPLICABLE, A LETTER OF CONSTRUCTION COMMENCEMENT.

CONTRACTOR:

A. DEVELOP, IMPLEMENT AND MAINTAIN A SITE SPECIFIC SWPPP IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S (FDEP) "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE TEMPLATE CONTAINED IN THESE PLANS SHALL BE USED AS A GUIDELINE TO COMPLETE THE SWPPP. SEE SECTION 4.7 OF THE NPDES GENERIC PERMIT FOR ITEMS THAT NEED TO BE ADDED TO THE PROVIDED TEMPLATE TO MEET THE REQUIREMENTS OF A SWPPP.

B. SIGN AND RETURN TO HEIDT A CONTRACTORS CERTIFICATION FORM CERTIFYING YOUR UNDERSTANDING OF AND WILLINGNESS TO COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALSO, EACH SUBCONTRACTOR AFFECTED BY THE SWPPP MUST CERTIFY TO THE CONTRACTOR THAT THEY UNDERSTAND AND SHALL COMPLY WITH THE NPDES PERMIT AND SWPPP. A RECORD OF THESE CERTIFICATIONS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE.

C. DURING CONSTRUCTION, ASSURE COMPLIANCE WITH THE DESIGNED STORM WATER POLLUTION PREVENTION PLAN GUIDELINES AND THE NPDES GENERIC PERMIT FOR STORM WATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

D. MAINTAIN A COPY OF THE CONSTRUCTION PLANS, WHICH INCLUDE THE STORM WATER POLLUTION PREVENTION PLAN, THE NOI, AND ALL INSPECTION REPORTS AND CERTIFICATIONS ON SITE. DEVELOP A SITE SPECIFIC SWPPP NARRATIVE TO IDENTIFY CONSTRUCTION MEANS AND METHODS AND LIST SUB-CONTRACTORS.

E. UNDERTAKE ALL REASONABLE BEST MANAGEMENT PRACTICES (BMP'S) TO ASSURE THAT SILTED OR OTHERWISE POLLUTED STORM WATER IS NOT ALLOWED TO DISCHARGE FROM THE SITE DURING ALL PHASES OF CONSTRUCTION. STABILIZATION BMP'S THAT MAY BE USED INCLUDE:

TEMPORARY OR PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES AND PRESERVATION OF MATURE VEGETATION. STRUCTURAL EROSION AND SEDIMENT CONTROL BMP'S THAT MAY BE USED INCLUDE: STRAW BALE DIKES, SILT FENCES, EARTH DIKES, BRUSH BARRIERS, DRAINAGE SWALES, CHECK DAMS, SUBSURFACE DRAIN, PIPE SLOPE DRAIN, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, OUTLET PROTECTION, SEDIMENT TRAPS, AND TEMPORARY SEDIMENT BASINS. DETENTION PONDS MAY ALSO BE USED AS TEMPORARY SEDIMENT BASINS. ADDITIONAL BMP'S THAT MAY NEED TO BE IMPLEMENTED INCLUDE: PROVIDING PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS. PROVIDING WASTE RECEPTACLES AT CONVENIENT LOCATIONS AND PROVIDING REGULAR COLLECTION OF WASTES, INCLUDING BUILDING MATERIAL WASTES. MINIMIZING OFF-SITE TRACKING OF SEDIMENTS. MAKING ADEQUATE PREPARATIONS, INCLUDING TRAINING AND EQUIPMENT TO CONTAIN SPILLS OF OIL AND HAZARDOUS MATERIALS. COMPLYING WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS AND THE USE OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR ALLOWABLE NON-STORM WATER COMPONENTS OF DISCHARGE.

F. NOTIFY HEIDT DESIGN, LLC AND THE DEVELOPER IN WRITING OF ANY NON-STORM WATER POLLUTION SOURCES WHICH ARE BEING STORED, OR OTHERWISE USED DURING THE CONSTRUCTION OF THE PROJECT, I.E., FERTILIZERS, FUELS, PESTICIDES, OTHER CHEMICALS. THIS NOTIFICATION SHOULD BE ACCOMPANIED WITH THE CONTRACTOR'S DESIGN AND METHODS TO PREVENT POLLUTION RUN-OFF FROM THESE SOURCES.

G. DEVELOP A MAINTENANCE AND INSPECTION PLAN WHICH INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

THE SPECIFIC AREAS TO BE INSPECTED AND MAINTAINED THAT INCLUDES ALL THE DISTURBED AREAS AND MATERIAL STORAGE AREAS OF THE SITE.

1. THE EROSION AND SEDIMENT CONTROLS IDENTIFIED IN THE SWPPP TO BE MAINTAINED AND INSPECTED AND THOSE ADDITIONAL CONTROLS THAT THE CONTRACTOR DEEMS NECESSARY.
2. MAINTENANCE PROCEDURES.
3. THE PROCEDURE TO FOLLOW IF ADDITIONAL WORK IS REQUIRED OR WHOM TO CALL.
4. INSPECTIONS AND MAINTENANCE FORMS.
5. THE PERSONNEL ASSIGNED TO EACH TASK.

THE FOLLOWING SHALL BE INSPECTED A MINIMUM OF ONCE A WEEK OR WITHIN 24 HOURS AFTER 0.50 INCHES OF RAINFALL:

- STABILIZATION MEASURES (ONCE A MONTH IF FULLY STABILIZED).
- STRUCTURAL CONTROLS.
- DISCHARGE POINTS.
- CONSTRUCTION ENTRANCES AND EXITS.
- AREAS USED FOR STORAGE OF EXPOSED MATERIALS.

H. AN INSPECTION FORM SHALL BE COMPLETED FOR EACH INSPECTION. ANY PERMIT VIOLATIONS SHOULD BE NOTED AND CORRECTIVE MEASURES SHALL BE TAKEN NO LATER THAN 7 DAYS AFTER THE INSPECTION OCCURRED. IF REVISIONS TO THE SWPPP ARE NEEDED, A REPORT FORM FOR CHANGES IN THE SWPPP SHALL BE COMPLETED AND A COPY SENT TO HEIDT DESIGN, LLC. THE ORIGINAL SHALL BE KEPT ON-SITE AS DOCUMENTATION OF THE CHANGE. IF THE INSPECTION PASSES, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE NPDES PERMIT MUST BE SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF THE PRINCIPAL EXECUTIVE OFFICIAL OF THE OPERATOR OF THE SWPPP WITH ONE OF THE FOLLOWING QUALIFICATIONS:

1. HAS SUCCESSFULLY COMPLETED THE FLORIDA STORMWATER, EROSION AND SEDIMENT CONTROL INSPECTOR TRAINING PROGRAM.
2. SUCCESSFULLY COMPLETED A SIMILAR TRAINING PROGRAM.
3. HAS ENOUGH PRACTICAL ON THE JOB TRAINING TO BE QUALIFIED TO PERFORM THE INSPECTIONS.
4. RETAIN INSPECTION REPORTS AND CERTIFICATIONS FOR AT LEAST THREE YEARS.

I. SITE STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

J. RELEASES IN EXCESS OF REPORTABLE QUANTITIES.

1. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A FACILITY OR ACTIVITY SHALL BE PREVENTED OR MINIMIZED IN ACCORDANCE WITH THE APPLICABLE STORMWATER POLLUTION PREVENTION PLAN FOR THE FACILITY OR ACTIVITY. THIS PERMIT DOES NOT RELIEVE THE OPERATOR OF THE REPORTING REQUIREMENTS OF 40 CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302, OCCURS DURING A 24 HOUR PERIOD:
2. THE OPERATOR IS REQUIRED TO NOTIFY THE STATE WARNING POINT (800-210-0519 OR 850-413-9911) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE;

   a. THE OPERATOR SHALL SUBMIT WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE A WRITTEN DESCRIPTION OF: THE RELEASE (INCLUDING THE TYPE AND ESTIMATE OF THE AMOUNT OF MATERIAL RELEASED), THE DATE THAT SUCH RELEASE OCCURRED, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND REMEDIAL STEPS TO BE TAKEN, TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, NPDES STORMWATER SECTION, MAIL STATION 2500, 2600 BLAIR STONE ROAD, TALLAHASSEE, FLORIDA 32399-2400; AND

   b. THE STORMWATER POLLUTION PREVENTION PLAN REQUIRED UNDER PART V OF THIS PERMIT MUST BE MODIFIED WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE TO: PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. IN ADDITION, THE PLAN MUST BE REVIEWED TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES, AND THE PLAN MUST BE MODIFIED WHERE APPROPRIATE.

3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

DEVELOPER:

A. NOTIFY HEIDT OF YOUR INTENT TO COMMENCE CONSTRUCTION. SIGN THE NOTICE OF INTENT FORM AS OPERATOR OF THE STORM WATER DISCHARGE FACILITY AND PERMITTEE AND RETURN TO HEIDT DESIGN, LLC.

B. SIGN A CERTIFICATION OF STORM WATER POLLUTION PREVENTION PLAN AND RETURN TO HEIDT DESIGN, LLC.

C. COMPLETE AND SUBMIT A NOTICE OF TERMINATION (NOT) AND CERTIFICATION. THE NOT SHALL BE SUBMITTED NO MORE THAN 14 DAYS AFTER;

1. COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE SITE OR

2. WHEN RESPONSIBILITY FOR THE SITE HAS ENDED. FINAL STABILIZATION AS DEFINED BY EPA IS WHEN ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM (E.G. EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES. AS AN ALTERNATIVE, EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIPRAP, GABIONS, OR GEOTEXTILES) MAY BE EMPLOYED. THE CLIENT SHALL NOTIFY HEIDT DESIGN, LLC WHEN ONE OF THESE CRITERIA HAS BEEN MET.

PRE-DEVELOPED SITE INFORMATION:

TOTAL SITE ACREAGE: 0.6 AC. ±

LAND USE: AMENITY

VEGETATION: RANGE LAND, BAHIA GRASS PASTURE

PROJECT INFORMATION:

1. PROJECT TYPE - AMENITY
2. ANTICIPATED CONSTRUCTION SEQUENCE IS AS FOLLOWS:
   - COMPLETE EROSION CONTROL INSTALLATION
   - CLEARING AND GRUBBING
   - EARTHWORK ACTIVITIES
   - STORM WATER SYSTEM CONSTRUCTION
   - UTILITY CONSTRUCTION
   - BASE AND PAVEMENT CONSTRUCTION
   - FINAL STABILIZATION

   THE BMP'S LISTED IN PART D OF THE CONTRACTOR SECTION OF THE SWPPP SHALL BE CONSIDERED DURING ALL PHASES OF CONSTRUCTION.
3. ANTICIPATED START DATE: 05/15/2025
4. ANTICIPATED COMPLETION DATE: 05/15/2026
5. TOTAL ACRES DISTURBED: 0.6 AC.
6. PRE-DEVELOPED "C" FACTOR: 0.2
7. POST-DEVELOPED "C" FACTOR: 0.45
8. THE STORM WATER MANAGEMENT SYSTEM, UPON COMPLETION OF CONSTRUCTION AND APPROPRIATE CERTIFICATION AND AS-BUILT SUBMITTALS WILL BE OPERATED AND MAINTAINED BY OWNER.
9. THE POTENTIAL SOURCE OF POLLUTION FROM THIS PROJECT IS ON-SITE DEVELOPMENT AND CONSTRUCTION ACTIVITY.

POND EXCAVATION NOTE:

NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE AND THE ENGINEER OF RECORD HAS RECEIVED WRITTEN PERMISSION/APPROVAL FROM THE WATER MANAGEMENT DISTRICT AND LOCAL AGENCY HAVING JURISDICTION. NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA AND THE ENGINEER OF RECORD AND GEOTECHNICAL CONSULTANT SHALL BE NOTIFIED IMMEDIATELY.

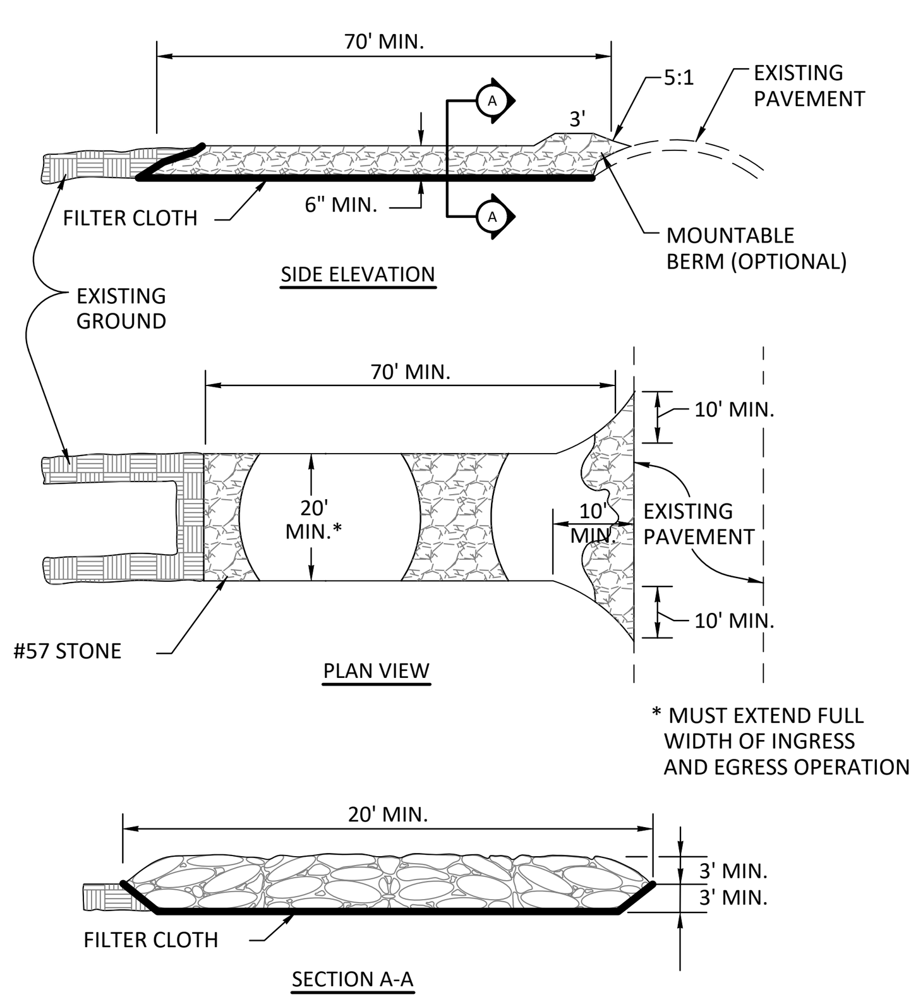
NO TEMPORARY DEWATERING DITCHES OR SUMPS (FOR POND EXCAVATION) SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS SHOWN ON THE DRAWINGS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED EXCAVATION DEPTHS, THEN EXCAVATION OPERATIONS IN THAT POND AREA SHALL IMMEDIATELY CEASE IN THE GENERAL AREA, AND THE PROJECT GEOTECHNICAL CONSULTANT SHALL BE NOTIFIED TO PROVIDE SUBSEQUENT EVALUATIONS/RECOMMENDATIONS, AS APPROPRIATE, WHICH SHALL BE IMPLEMENTED BY THE CONTRACTOR.

ANY SIGNIFICANT UNSTABLE BOTTOM AREAS DISCOVERED OR CREATED, AND ANY SIGNIFICANT BOTTOM BOILS, SHALL BE DOCUMENTED/REPORTED BY THE CONTRACTOR AND THEN REPAIRED/IMPROVED BY THE CONTRACTOR, AS DIRECTED BY THE CIVIL AND GEOTECHNICAL CONSULTANTS, PRIOR TO OBTAINING FINAL POND ACCEPTANCE. ALL POND EXCAVATION OPERATIONS BY THE CONTRACTOR SHALL BE COORDINATED WITH A SENIOR FIELD TECHNICIAN WORKING DIRECTLY FOR THE PROJECT CIVIL AND GEOTECHNICAL CONSULTANTS.

WETLAND NOTES:

THERE ARE NO WETLAND IMPACTS PROPOSED AND THEREFORE, NO MITIGATION REQUIRED.

"CONSERVATION AREA" DESIGNATION IS GIVEN TO ALL PROTECTED WETLANDS PER PASCO COUNTY REQUIREMENTS. THEY ARE NOT DESIGNATED AS "CONSERVATION EASEMENTS" FOR SWFWMD COMPENSATION.



TYPICAL CONSTRUCTION ENTRANCE
SCALE: NTS

GENERAL EROSION AND TURBIDITY CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND TURBIDITY CONTROLS AND THE QUALITY AND QUANTITY OF DISCHARGES TO OFFSITE OR WETLANDS.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR HAVING A DEWATERING PLAN AND TURBIDITY CONTROL PLAN APPROVED BY THE APPLICABLE REVIEWING AGENCIES. REFER TO THE PROJECT'S PERMIT APPROVALS AND PERMIT CONDITIONS FOR AGENCIES REQUIRING SUCH REVIEW AND APPROVAL. QUESTIONS CONCERNING APPROPRIATE TECHNIQUES SHOULD BE ADDRESSED TO THOSE AGENCIES AND/OR DISCUSSED WITH THE PROJECT ENGINEER AND OWNER.
3. THE APPROPRIATE TURBIDITY AND EROSION CONTROL METHODOLOGIES SELECTED BY THE CONTRACTOR FOR THIS PROJECT SHOULD BE MADE FOLLOWING ASSESSMENT OF THE PLANS AND PROJECT SITE SPECIFIC FACTORS AND AFTER CONSULTATIONS, AS NEEDED, WITH THE PROJECT ENGINEER AND APPROPRIATE AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS FOR SUCH ACTIVITY; SEVERAL FACTORS TO CONSIDER ARE LISTED BELOW:
   A. CLAY CONTENT IN EXCAVATED MATERIALS AND/OR PERMEABILITY RATES
   B. DEPTH OF CUT IN PONDS, TRENCHES, OR UTILITY LINES
   C. AMBIENT GROUND WATER LEVELS
   D. ACTUAL RAINFALL AMOUNTS AND TIME OF YEAR RELATIVE TO NORMAL RAINY SEASON
   E. PROXIMITY TO WETLANDS, WATER BODIES OR OFFSITE PROPERTIES
   F. 'CLASS' DESIGNATION OF RECEIVING WATER BODIES (I.E., OUTSTANDING FLORIDA WATERS, SHELLFISH HARVESTING AREAS, ETC.)
   G. DENSITY, TYPE, AND PROXIMITY OF UPLAND VEGETATION TO BE RETAINED DURING CONSTRUCTION (FOR USE AS POSSIBLE FILTRATION AREAS)
   H. FILL HEIGHT RELATIVE TO NATURAL GRADE AND LENGTH AND STEEPNESS OF THE PROPOSED SLOPES
   I. EXISTING TOPOGRAPHY AND DIRECTIONS OF SURFACE FLOW
   J. TYPE OF EQUIPMENT USED
   K. PROJECT TYPE
   L. DURATION OF CONSTRUCTION ACTIVITIES
   M. SEPARATION DISTANCE OF ONSITE PONDS
   N. AMBIENT QUALITY OF SURFACE AND GROUNDWATER
   O. TEMPORARY STOCKPILE LOCATIONS AND HEIGHTS
4. AT THE ONSET OF CONSTRUCTION, THE CONTRACTOR, AS THE PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN, SHALL ASSESS THE ABOVE DESCRIBED CONDITIONS AND FACTORS WITH RESPECT TO RELATIVE COST EFFECTIVENESS AND SELECT THE APPROPRIATE METHODS OF PROTECTION. A FAIRLY EXTENSIVE LIST OF TECHNIQUES ARE PRESENTED BELOW BUT IT MUST BE STRESSED THAT ANY OR ALL OF THE FOLLOWING MAY BE NECESSARY TO MAINTAIN WATER QUALITY AND QUANTITY STANDARDS. THE CONSTRUCTION SEQUENCING SHOULD BE THOUGHT OUT IN ADVANCE OF INITIATION TO PROVIDE ADEQUATE PROTECTION OF WATER QUALITY.
5. DISCHARGES WHICH EXCEED 29 N.T.U.'S OVER THE BACKGROUND LEVELS ARE IN VIOLATION OF STATE WATER QUALITY STANDARDS. DISCHARGES OF WATER QUANTITIES WHICH AFFECT OFFSITE PROPERTIES OR MAY DAMAGE WETLANDS ARE ALSO PROHIBITED BY REGULATING AGENCIES.
6. THE EROSION AND TURBIDITY CONTROL MEASURES SHOWN HEREON ARE THE MINIMUM REQUIRED FOR AGENCY APPROVAL. ADDITIONAL CONTROL AND MEASURES MAY BE REQUIRED DUE TO THE CONTRACTOR'S CONSTRUCTION SEQUENCE & UNFORESEEN WEATHER CONDITIONS. ANY ADDITIONAL MEASURES DEEMED NECESSARY BY THE SITE SUBCONTRACTOR SHALL BE INCLUDED IN THE LUMP SUM BID WITH NO EXTRAS FOR MATERIALS AND LABOR ALLOWED.
7. EROSION CONTROL SHALL BE INSTALLED PRIOR TO LAND CLEARING TO PROTECT WATER QUALITY AND TO IDENTIFY AREAS TO BE PROTECTED FROM CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
8. FLOATING TURBIDITY BARRIERS SHALL BE IN PLACE IN FLOWING SYSTEMS OR IN OPEN WATER POND OR LAKE EDGES PRIOR TO INITIATION OF EARTHWORK AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
9. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN ANY STORMWATER STORAGE FACILITY. IF CLAY OR SANDY-CLAYS ARE ENCOUNTERED DURING STORMWATER STORAGE EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND GEOTECHNICAL ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER EXCAVATION. IF THE ENGINEER OF RECORD HAS DETERMINED THAT SUCH SOILS ARE NON-CONFINING AND MUST BE EXCAVATED TO MEET PERMIT AND DESIGN CONDITIONS, EXCAVATION MAY PROCEED AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE APPROPRIATE GOVERNING AGENCY. IF SAID SOILS ARE LEFT EXPOSED AT THE PERMITTED AND DESIGNED DEPTH, THE SITE SUBCONTRACTOR SHALL OVER-EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF TWELVE (12") INCHES AND BACKFILL WITH CLEAN SANDS TO HELP PREVENT SUSPENSION OF FINE PARTICLES IN THE WATER COLUMN.
10. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
11. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL MAY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD GENERALLY BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.
12. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER SHALL BE TREATED PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE UPLAND VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, SEDIMENT FILTER BAGS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS OR LOW BERMS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
13. THE PERMITTEE SHALL SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED, ERODIBLE EARTH EXPOSED AT ANY ONE TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATION, AND THE DURATION OF EXPOSED, UNCOMPLETED CONSTRUCTION TO THE ELEMENTS SHALL BE AS SHORT AS PRACTICABLE. CLEARING AND GRUBBING SHALL BE SO SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATIONS CAN FOLLOW IMMEDIATELY THEREAFTER. GRADING OPERATIONS SHALL BE SO SCHEDULED AND PERFORMED THAT PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER IF CONDITIONS ON THE PROJECT PERMIT.
14. WATER DERIVED FROM VARIOUS DEWATERING METHODS USED WITH APPROVED PERMITTING SHOULD BE PASSED THROUGH SUFFICIENTLY WIDE AREAS OF EXISTING UPLAND VEGETATION, OR THROUGH THE USE OF SEDIMENT FILTER BAGS, TO FILTER OUT EXCESS TURBIDITY. IF THIS IS NOT SUFFICIENT, THE WATER SHALL BE RETAINED IN PREVIOUSLY CONSTRUCTED PERMANENT STORMWATER PONDS OR ELSE RETAINED IN TEMPORARY SEDIMENTATION BASINS UNTIL THE CLARITY IS SUITABLE TO ALLOW FOR ITS DISCHARGE. PLUGGING THE OUTFALLS FROM COMPLETED STORMWATER PONDS MAY BE NEEDED TO AVOID DISCHARGE. HOWEVER, SUCH SITUATIONS SHOULD BE MONITORED CLOSELY TO PRECLUDE BERM FAILURE IF WATER LEVELS RISE TOO HIGH.
15. WATER CAN BE TRANSPORTED AROUND THE SITE BY THE USE OF INTERNAL SWALES OR BY PUMPS AND PIPES.
16. SHEET FLOW OF NEWLY FILLED OR SCRAPED AREAS MAY BE CONTROLLED OR CONTAINED BY THE USE OF BRUSH BARRIERS, DIVERSION SWALES, INTERCEPTOR DITCHES OR LOW BERMS. FLOW SHOULD BE DIRECTED TOWARD AREAS WHERE SEDIMENTS CAN SUFFICIENTLY SETTLE OUT.
17. EXPOSED SOILS SHALL BE STABILIZED AS SOON AS POSSIBLE, ESPECIALLY SLOPES LEADING TO WETLANDS. STABILIZATION METHODS INCLUDING, BUT NOT LIMITED TO, SOLID SOD, SEEDING AND MULCHING OR HYDRO-MULCHING TO PROVIDE A TEMPORARY OR PERMANENT GRASS COVER, MULCH BLANKETS, AND FILTER FABRICS CAN BE EMPLOYED TO PROVIDE VEGETATIVE COVER.
18. ENERGY DISSIPATERS (SUCH AS RIP RAP, A GRAVEL BED, BALES, ETC.) SHALL BE INSTALLED AT THE DISCHARGE POINT OF PIPES OR SWALES IF SCOURING IS OBSERVED.
19. INSTALL ROADWAY CURB AND GUTTERS AS SOON AS POSSIBLE TO REDUCE THE SURFACE AREA FOR EROSION TO OCCUR.
20. IMPLEMENT STORM DRAIN INLET PROTECTION (BALES OR GRAVEL) TO LIMIT SEDIMENTATION WITHIN THE STORMWATER SYSTEM. PERFORM INSPECTIONS AND PERIODIC CLEANING OF SEDIMENTS WHICH WASH OUT INTO THE STREETS UNTIL ALL SOIL IS STABILIZED.
21. WATER DISCHARGE VELOCITIES FROM IMPOUNDED AREAS AND TEMPORARY SEDIMENTATION BASINS SHALL BE RESTRICTED TO AVOID SCOURING IN RECEIVING AREAS.
22. IF WATER CLARITY DOES NOT REDUCE TO STATE STANDARDS RAPIDLY ENOUGH IN HOLDING PONDS, IT MAY BE POSSIBLE TO USE CHEMICAL AGENTS SUCH AS ALUM TO FLOCCULATE OR COAGULATE THE SEDIMENT PARTICLES, SUBJECT TO APPROVED PERMITTING.
23. BALES, SILT SCREENS, OR GRAVEL BEDS CAN BE ADDED AROUND THE PIPE OR SWALE DISCHARGE POINTS TO HELP CLARIFY DISCHARGES. SPREADER SWALES MAY HELP DISSIPATE CLOUDY WATER PRIOR TO CONTACT WITH WETLANDS.
24. ALL FUEL STORAGE AREAS OR OTHER HAZARDOUS STORAGE AREAS SHALL CONFORM TO ACCEPTED STATE OR FEDERAL CRITERIA FOR SUCH CONTAINMENT AREAS.
25. VEHICLE OR EQUIPMENT WASHDOWN AREAS WILL BE SUFFICIENTLY REMOVED FROM WETLANDS OR OFFSITE AREAS.
26. FUGITIVE DUST CONTROLS (PRIMARILY BY USING WATER SPRAY TRUCKS) SHALL BE EMPLOYED AS NEEDED TO CONTROL WINDBORNE EMISSIONS.
27. IF THE ABOVE CONTROLS REMAIN INEFFECTIVE IN PRECLUDING RELEASE OF TURBID WATER, ESPECIALLY DURING POND OR UTILITY LINE DEWATERING, THEN THE CONTRACTOR MAY BE COMPELLED TO USE A VERTICAL DEWATERING SYSTEM SUCH AS WELL POINTS OR SOCK DRAINS TO WITHDRAW GROUNDWATER.
28. ONGOING INSPECTIONS AND PERIODIC MAINTENANCE BY THE SITE SUBCONTRACTOR SHALL OCCUR THROUGHOUT CONSTRUCTION AS NECESSARY TO INSURE THE ABOVE METHODS ARE WORKING SUITABLY. THIS MAY BE NEEDED DAILY, IF CONDITIONS SO WARRANT. CONTRACTORS ARE ENCOURAGED TO OBTAIN AND THOROUGHLY REVIEW THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT, WHICH WAS DEVELOPED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 1988. THIS PROVIDES FAIRLY IN-DEPTH DISCUSSIONS OF RECOMMENDED TECHNIQUES AND ALSO PROVIDES SPECIFIC DESIGN AND TECHNICAL STANDARDS. REVIEW AT HEIDT DESIGN, LLC.
29. THE CONTRACTOR WILL PERFORM DAILY INSPECTIONS OF ALL ON-SITE WETLANDS WITHIN THE CONSTRUCTION AREA TO ENSURE THAT WATER LEVELS WITHIN THOSE WETLANDS ARE NOT EXCESSIVELY IMPOUNDED PRIOR TO THE TIME WHEN THE PERMITTED CONTROL STRUCTURE OR OUTFALL IS BUILT. WATER LEVELS SIGNIFICANTLY ABOVE NORMAL SHOULD BE CORRECTED AT A FREQUENCY THAT PREVENTS A CHANGE IN THE VEGETATIVE CHARACTER OR HEALTH OF ANY WETLANDS
30. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL REMOVAL AFTER STABILIZATION.
31. AT A MINIMUM, ALL STORMWATER MANAGEMENT FACILITY BERMS AND SLOPES SHALL BE SODDED TO THE SEASONAL HIGH OR CONTROL WATER LINE AS APPLICABLE.
32. THE REQUIREMENT LISTED ABOVE SHALL BE CONSIDERED MINIMUM. THE CONTRACTOR SHALL USE ADDITIONAL METHODS AND BMP'S (BEST MANAGEMENT PRACTICES) TO PREVENT TURBIDITY AND EROSION.
33. PRIOR COMMENCEMENT OF CLEARING & GRUBBING OR ANY SOIL DISTURBANCE, CONTRACTOR SHALL COORDINATE WITH HEIDT DESIGN TO SCHEDULE AN EROSION CONTROL INSPECTION WITH THE MUNICIPALITY.

LEGEND

Symbol	Description
—··—··—	APPROXIMATE EXISTING WETLAND BOUNDARY
— — — —	WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER
—·—·—	PROPOSED POND LIMITS PH 1A (UNDER REVIEW)
·□·□·□·□·	STAKED EROSION CONTROL REPRESENTS THE SWFWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING

OWNER'S INSTRUCTIONS FOR MAINTENANCE AND INSPECTION OF STORMWATER FACILITIES

THE ENTIRE STORMWATER SYSTEM SHOULD BE INSPECTED ON AT LEAST A SEMI-ANNUAL BASIS. THIS SHOULD INCLUDE A VISUAL INSPECTION OF THE POND, POND BANKS, BLEED-DOWN ORIFICES, OTHER CONTROL STRUCTURES, AND DISCHARGE PIPES. THESE SHOULD BE KEPT FREE OF DEBRIS AND CLEANED ON A FREQUENCY AS REQUIRED TO KEEP THEM FUNCTIONAL, AS DESIGNED. MOWING/CLEARING AROUND THE STRUCTURES MAY BE REQUIRED TO PREVENT VEGETATION FROM CLOGGING THEM.

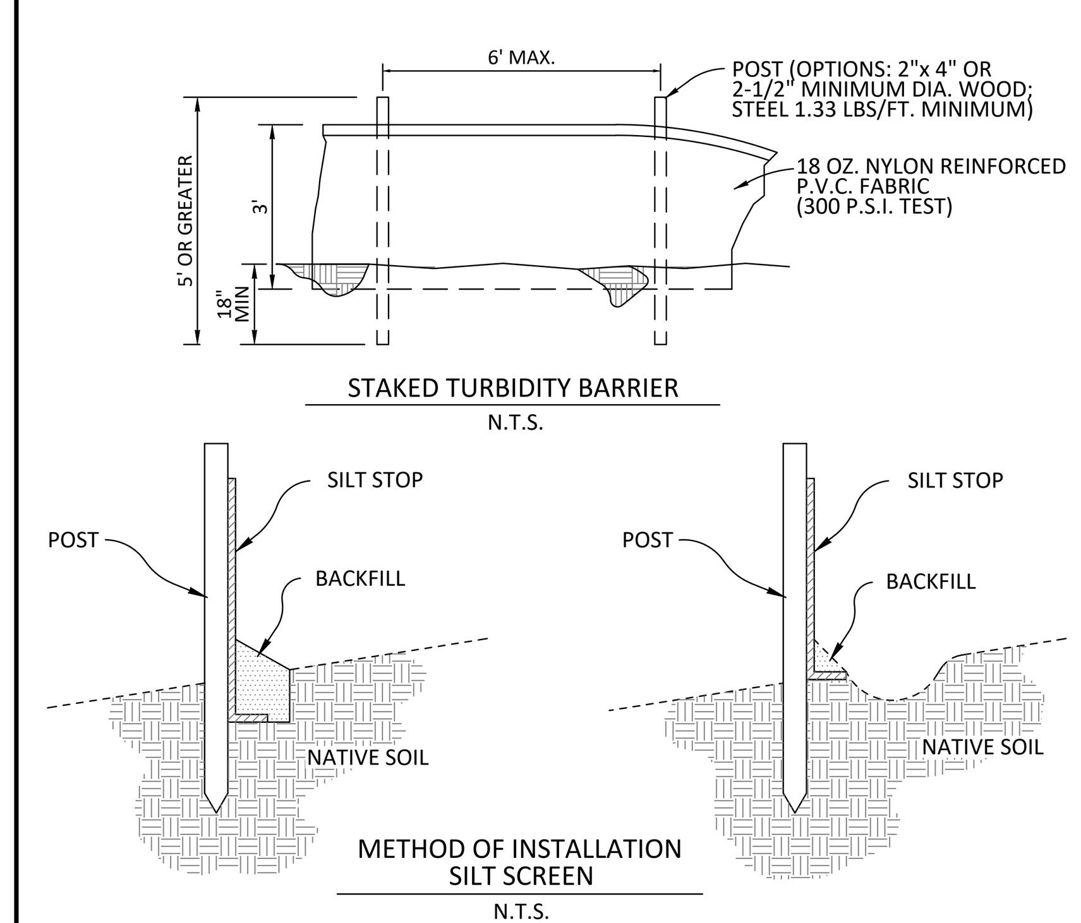
WETLAND PLANTS, IF INTENTIONALLY INSTALLED, SHOULD BE MONITORED AND MAINTAINED AS REQUIRED ON THE APPROVED CONSTRUCTION PLANS. AREAS OF LITTORAL SHELVING, WHICH ARE REQUIRED TO BE VEGETATED BUT NOT INTENTIONALLY PLANTED, SHOULD NOT BE CLEARED OF THE WETLAND PLANTS. THESE AREAS SHOULD HAVE AS HIGH A PLANT COVERAGE AS POSSIBLE, FOR MAXIMUM WATER FILTRATION.

SEDIMENT SUMPS, IF DESIGNED AND INSTALLED, SHOULD HAVE SEDIMENT REMOVED AS NECESSARY TO ALLOW THEM TO EFFICIENTLY REMOVE SUSPENDED PARTICLES. THEY SHOULD BE RE-DUG TO THE ORIGINAL DESIGN SPECIFICATIONS, IF SILTED IN.

FOR PERCOLATION TREATMENT PONDS/SWALES, THE OWNER OF THE FACILITY SHALL INSPECT THE POND BOTTOM PERIODICALLY AFTER HEAVY RAINFALL EVENTS TO CHECK FOR PERSISTENT PONDING OR POOLING OF WATER. ALL LARGE DEBRIS SHALL BE REMOVED AND DISPOSED OF ELSEWHERE. IF PROLONGED PONDING PERSISTS, I.E., IN EXCESS OF 72 HOURS, THE OWNER SHALL RAKE OR SCARIFY THE SURFACE. IF REQUIRED, THE SOIL IN THE AREA OF PONDING SHALL BE REMOVED AND REPLACED WITH CLEAN SANDY, NON-COHESIVE SOILS.

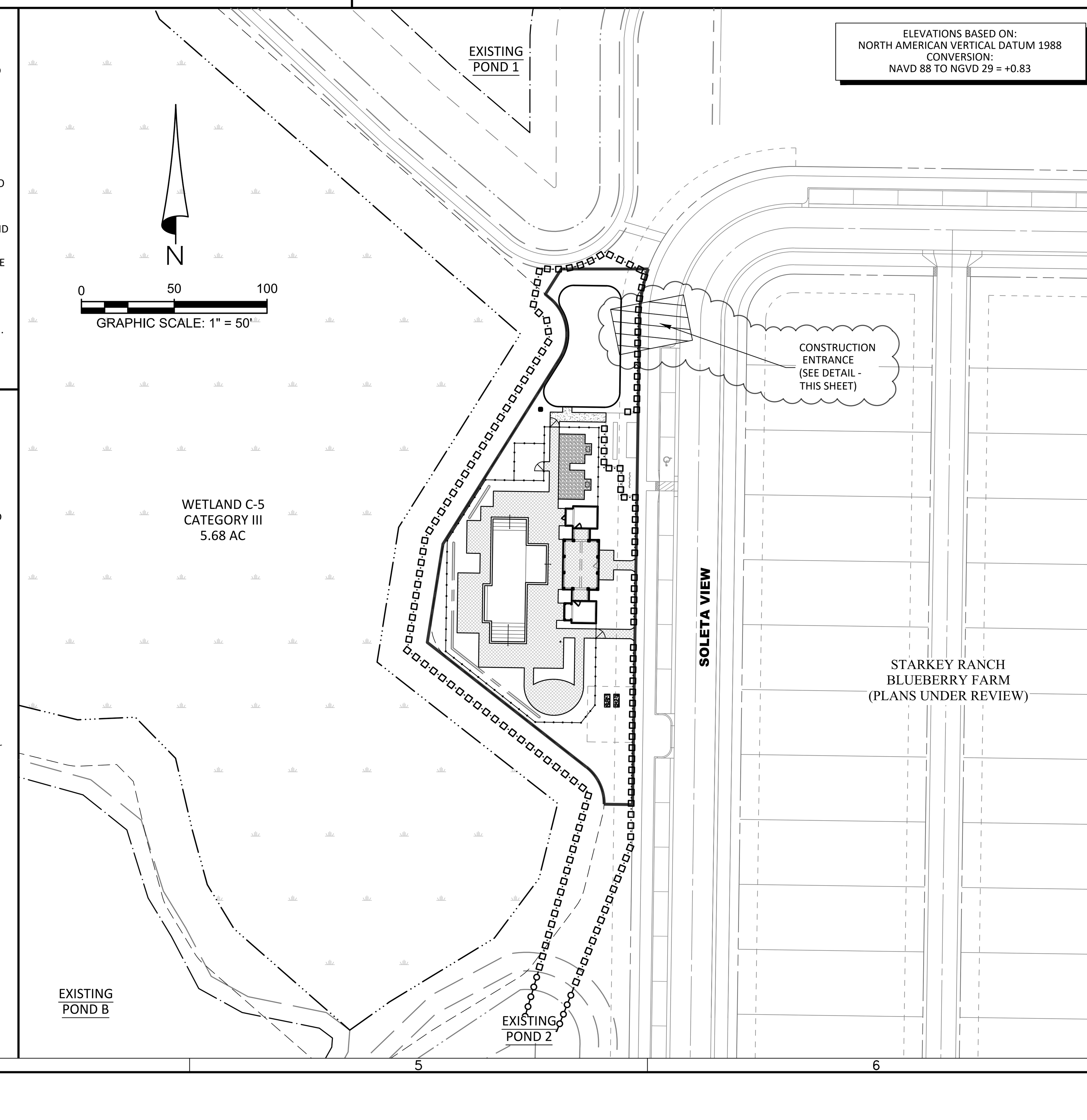
PLEASE CHECK THE CONSTRUCTION PLANS TO SEE IF WRITTEN REPORTS ON MONITORING OR PLANT SURVIVAL RATES ARE REQUIRED TO BE SENT TO ANY REVIEWING AGENCIES. WRITTEN NOTES SHOULD ALWAYS BE KEPT WHICH DESCRIBE MAINTENANCE ACTIVITIES UNDERTAKEN DURING EACH INSPECTION.

SPECIFIC CONDITIONS OF ALL PERMITS MAY REQUIRE ADDITIONAL MAINTENANCE ACTIVITIES ABOVE AND BEYOND THOSE OUTLINED ABOVE. PLEASE BE AWARE OF ALL PERMIT CONDITIONS AS ISSUED BY REGULATORY AGENCIES TO ENSURE PERMIT COMPLIANCE.



EROSION CONTROL DETAILS
SCALE: NTS

NOTE:
THE EROSION BARRIERS, AS SHOWN, ARE NOT TO BE CONSTRUED TO MEAN THAT THEY ARE ALL THAT MAY BE REQUIRED. THE CONTRACTOR IS TO TAKE WHATEVER MEASURES NECESSARY TO CONTROL EROSION THROUGHOUT THE PROJECT.



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SOLETA
AMENITY CENTER
CONSTRUCTION SURFACE WATER MANAGEMENT PLAN

PREPARED FOR: DAVID WEEKLEY HOMES

	DATE	DESCRIPTION
1	10/30/2025	CONSTR. ENTRANCE
	08/08/2025	REVIEW SUBMITTAL

PROJECT NO:	DWH-SR-1021
FILE:	CSWMP
DESIGN BY:	C. JOHNSON
DRAWN BY:	C. JOHNSON

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Boyan V. Pargov, State of Florida, Professional Engineer, License No. 67706

This item has been digitally signed and sealed by Boyan V. Pargov, P.E. on the date indicated here.

Signature must be verified on any electronic copies.

BOYAN V. PARGOV
DATE:
LICENSE NO. 67706

C-900

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