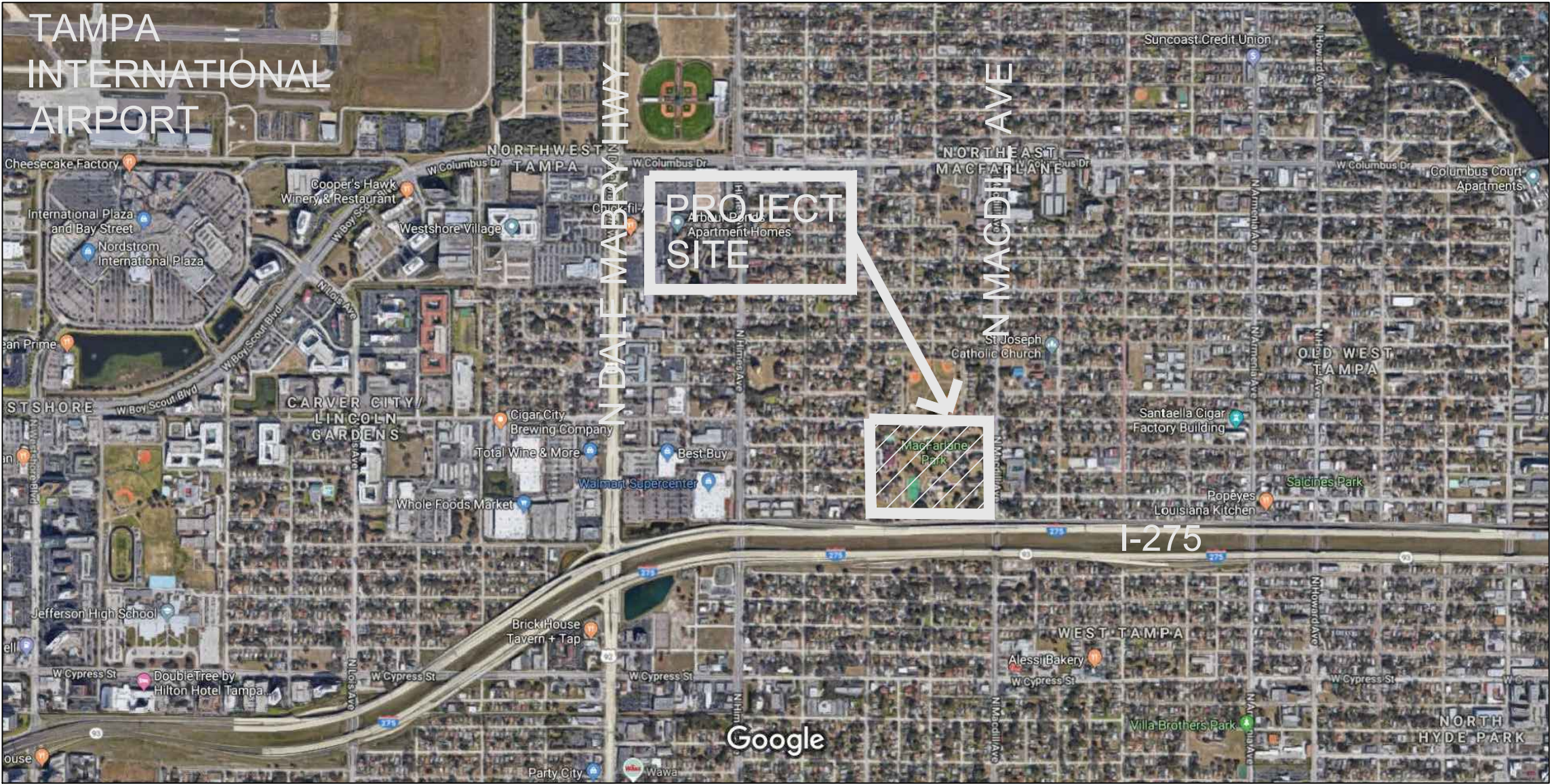


SECTION 15, TOWNSHIP 29 SOUTH, RANGE 18 EAST
MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION

CITY OF TAMPA
HILLSBOROUGH COUNTY, FLORIDA

PROPERTY LOCATION: 1700 N. MACDILL AVENUE, TAMPA, FL 33607
EXISTING FOLIO: 180631-0100
PROPERTY SITE AREA: ±30.21 ACRES
TOTAL PROJECT AREA: ±0.35 ACRES
EXISTING LAND USE: 8900 MUNICIPAL (RECREATIONAL PARK)
PROPOSED LAND USE: 8900 MUNICIPAL (RECREATIONAL PARK)
PROPERTY ZONING: RS-50 (RESIDENTIAL SINGLE FAMILY)
FUTURE LAND USE: RESIDENTIAL 10
FLOOD ZONE: THE PROPERTY SHOWN HEREON APPEARS TO LIE IN FLOOD ZONE "X" ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 12057C 0353H, EFFECTIVE AUGUST. 28, 2008

SITE AREA DATA (PROPOSED):
ADDITIONAL IMPERVIOUS AREA 3,659 SF (±0.084 AC)
ADDITIONAL POND AREA 390 SF (±0.009 AC)



VICINITY
MAP



Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER
C1.0	GENERAL NOTES
C1.1	STORMWATER POLLUTION PREVENTION PLAN
C2.0	DEMOLITION & EROSION CONTROL PLAN
C3.0	HORIZONTAL CONTROL PLAN
C4.0	PAVING, GRADING & DRAINAGE PLAN
C6.0	CONSTRUCTION DETAILS
C6.1	CONSTRUCTION DETAILS
IR1.0	IRRIGATION PLAN
H1.0	HARDSCAPE PLAN
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE PLAN

LEGAL DESCRIPTION:
MAC FARLANE PARK PARK LESS R/W FOR I-275

PROJECT TEAM:

OWNER/DEVELOPER:
CITY OF TAMPA
PARKS & RECREATION DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602

CIVIL ENGINEER:
HARDEMAN KEMPTON & ASSOC.
2207 W. NORTH A STREET
TAMPA, FL 33606
(813) 258-0066
VICTOR HUGGINS

LANDSCAPE ARCHITECT:
HARDEMAN KEMPTON & ASSOC.
2207 W. NORTH A STREET
TAMPA, FL 33606
(813) 258-0066
JASON RINARD

SURVEYOR:
IMPACT SURVEYING & MAPPING, INC.
7815 N. DALE MABRY HWY., STE 107
TAMPA, FL 33614
(813) 644-6570

UTILITY PROVIDERS:

WATER AND SEWER
TAMPA WATER DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602
(813) 274-7109

SEWER
TAMPA WATER DEPARTMENT
32545 GUY N VERGER BLVD
TAMPA, FL 33605
(813) 274-8095
JACK FERRAS

GAS SERVICE
TECO PEOPLES GAS
8416 PALM RIVER RD
TAMPA, FL 33619
(813) 275-3783
JOAN DOMNING

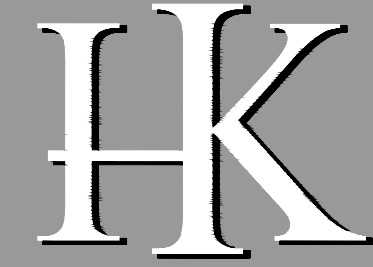
POWER
TAMPA ELECTRIC COMPANY
P.O. BOX 111
TAMPA, FL 33601
(813) 275-3037
JASON COOPER

PHONE / DATA / CABLE
CHARTER COMMUNICATIONS
4145 S FALKENBURG RD
RIVERVIEW, FL 33578
(813) 436-2143
RANDY LYLE

PHONE / DATA / CABLE
FRONTIER COMMUNICATIONS
3712 W WALNUT ST
TAMPA, FL 33607
(813) 875-1014
TONI CANNON

PERMIT TYPE.	PERMIT NO.	STATUS	APPROVAL DATE	EXPIRATION DATE
CITY OF TAMPA		IN REVIEW		
SWFWMD	43021889.005	APPROVED	10/28/2019	10/28/2024





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Landscape Architects & Civil Engineers
2207 W. North A Street
Tampa, Florida 33606
Ph: 813-258-0066
www.hka-design.com
Landscape Architecture Certificate of Authorization #LC0000267
Engineering Business Certificate of Authorization No. #26775

PREPARED FOR:
**CITY OF TAMPA
PARKS & RECREATION
DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602**

PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
COVER SHEET

NO.	DATE	DESCRIPTION
1	10/16/19	PER SWFWMD COMMENTS
2	10/30/19	REQUEST FROM COT PARKS & REC
3	11/19/19	REQUEST FROM COT PARKS & REC

PROJ. NO.: C033019K
DATE: 09-04-19
DESIGNED:
CHECKED:

THIS PLAN IS NOT VALID UNLESS
SIGNED, DATED & RAISED SEAL
AFFIXED OR PERMANENT INK SEAL

SHEET:
C0.0



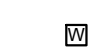
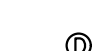
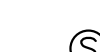

GENERAL NOTES

- THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION IN THEIR VICINITY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. NOTE THAT A GPR SCAN MAY BE NEEDED TO LOCATE PARK UTILITIES OUTSIDE OF RIGHT-OF-WAY.
- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES TO BE EXTENDED OR CROSSED AND CONTACT THE ENGINEER AT 813-258-0066 FOR VERIFICATION OF THEIR LOCATION AND ELEVATION. ANY CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
- ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS AND SURFACE DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
- THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
- SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT EXISTING TREES IDENTIFIED TO BE SAVED REMAIN UNDAMAGED DURING CONSTRUCTION. (REFERENCE CITY OF TAMPA LAND DEVELOPMENT CODE)
- ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL AND TELEPHONE CROSSINGS SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF TAMPA STANDARDS AND SPECIFICATIONS OR ALTERNATE TECHNICAL SPECIFICATIONS PROVIDED BY ENGINEER.
- PIPE MEASUREMENTS ARE TO THE CENTER OF STRUCTURE FOR INLETS AND STORM MANHOLES. CURB INLET STATIONS ARE CALCULATED TO EDGE OF PAVEMENT. ALL PIPE LENGTHS ARE PLUS OR MINUS.
- CONFLICTS BETWEEN WATER LINES, SANITARY AND STORM SEWER TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY.
- THIS PROPERTY APPEARS TO FALL WITHIN FLOOD ZONE "X". AS SHOWN ON THE FLOOD INSURANCE RATE MAP 12057C, COMMUNITY PANEL NUMBER 0353 H, MAP REVISED 08-28-08.
- RELOCATION AND REPLACEMENT OF EXISTING UTILITIES AFFECTED BY PROPOSED CONSTRUCTION TO BE COORDINATED BY SITE CONTRACTOR.
- ANY ON-SITE WELLS NOT PROPOSED TO REMAIN ARE TO BE SEALED BY A LICENSED WELL CONTRACTOR.
- CONTRACTOR TO NOTIFY SUNSHINE STATE ONE CALL OF FLORIDA, INC. AND ANY OTHER UTILITY COMPANIES NOT REPRESENTED BY ONE CALL OF FLORIDA 48 HOURS PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING UTILITIES. CALL SUNSHINE AT 1-800-432-4770.
- CALL CITY OF TAMPA IRRIGATION SUPERVISOR MARK NEUBERGER AT 813-478-5280 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO MARK EXISTING IRRIGATION UTILITIES ON SITE. NOTE THAT A GPR SCAN MAY BE NEEDED TO LOCATE PARK UTILITIES OUTSIDE OF RIGHT-OF-WAY.
- ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE SUB-BASE, BASE AND SURFACE ARE CONSTRUCTED.
- STAKED SILT FENCE WILL BE INSTALLED PRIOR TO EARTHWORK OPERATIONS COMMENCING AND IS TO BE MAINTAINED THROUGH PROJECT COMPLETION.
- ELEVATIONS DEPICTED HEREON BASED UPON N.A.V.D. 1988 DATUM USING CITY OF TAMPA BENCHMARK, DISK SET IN A CONCRETE MONUMENT, STAMPED "11V-02-0085", ELEVATION 35.91'. THE CONVERSION FACTOR FROM NAVD88 TO NGVD29 IS: NAVD88 + 0.84' = NGVD29

REQUIRED SUBMITTALS

- CONTRACTOR TO SUBMIT APPROACH AND TREATMENT FOR MATERIALS AND SEPARATIONS TO ALL EXISTING / PROPOSED SURFACING BUTT JOINTS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO SUBMIT COLOR SAMPLES FOR PIP RUBBER SURFACING FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ORDERING/ INSTALLATION.
- CONTRACTOR TO LOCATE, IDENTIFY, AND NOTIFY LANDSCAPE ARCHITECT OF EXISTING IRRIGATION CONDITIONS AND/ OR ANY REQUIRED CHANGES FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO SUPPLY FOOTER DIAGRAM AND DETAILS FOR ALL SITE FURNITURE AND PLAY EQUIPMENT TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. ALL SITE FURNITURE AND PLAY EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTION.
- CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY REQUIRED CHANGES FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR RUBBER/ FLEXI-PAVE CONNECTIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR BIO-BARRIER INSTALLATION DETAILS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR PULSE TABLE ELECTRICAL DIAGRAM/ SCHEMATIC TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

EXISTING LEGEND

	TEMPORARY BENCHMARK
	WOOD UTILITY POLE
	CONCRETE LIGHT POLE
	GUY ANCHOR
	ELECTRIC METER
	ELECTRIC BREAKER BOX
	WATER METER
	HOSE BIB
	STORM MANHOLE
	STORM GRATE INLET
	SANITARY CLEANOUT
	SANITARY MANHOLE
	BOLLARD
	SIGN
	PINE TREE
	PAIM TREE
	OAK TREE
S.N.&D.	SET NAIL & DISC
W.I.F.	WROUGHT IRON FENCE
INV.	INVERT
ELEV.	ELEVATTION
T.B.M.	TEMPORARY BENCHMARK
N.A.V.D.'88	NORTH AMERICAN VERTICAL DATUM OF 1988
P.S.M.	PROFESSIONAL SURVEYOR AND MAPPER
— OHW —	OVERHEAD WIRE
— TOB —	TOP OF BANK
— TOS —	TOE OF SLOPE

LEGAL DESCRIPTION

MAC FARLANE PARK PARK LESS R/W FOR I-275

PAVING, GRADING AND DRAINAGE NOTES

- ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL, IRRIGATION, CABLE TV AND TELEPHONE CROSSINGS SHALL BE INSTALLED BEFORE SUB-BASE. BASE AND SURFACE ARE CONSTRUCTED. CONTRACTOR TO COORDINATE INSTALLATION OF ANY ADDITIONAL CONDUIT LOCATIONS WITH OWNER.
- 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 DRIP LINE OF A TREE REMAINING ON SITE UNLESS APPROVED BY THE CITY.
- ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY PROVISIONS OF LAND DEVELOPMENT CODE SHALL BE PRUNED IN ACCORDANCE WITH ANSI A300 STANDARDS, PER CHA. 13 AND 27 IN THE CITY OF TAMPA LAND DEVELOPMENT CODE AND SHALL BE COMPLETED BY A CERTIFIED ARBORIST.
- THE STAKED EROSION CONTROL SHALL BE INSTALLED PRIOR TO EARTHWORK OPERATIONS COMMENCING AND IS TO BE MAINTAINED THROUGH PROJECT COMPLETION.
- ALL DELETERIOUS SUBSTANCE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER, OR OWNERS' SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACK FILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATING AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING, OR SHORING, AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED.
- MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.

EROSION AND SEDIMENTATION CONTROL NOTES

- 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 ECONOMICAL EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
- 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 USUALLY REQUIRES SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE. WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR HAY BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD 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.
- WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
- THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARE SOIL STABILIZED. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.
- WATER REMAINING IN THE EXCAVATIONS AFTER CONSTRUCTION MUST BE KEPT CONFINED WITHIN THE EXCAVATIONS PRIOR TO DISCHARGE (IF APPLICABLE), UNTIL THE TURBIDITY LEVEL OF THE POND WATER MEETS STATE WATER QUALITY STANDARDS.
- NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN THE EXCAVATIONS. IF CLAY OR SANDY CLAYS ARE LEFT EXPOSED AT THE PERMITTED DEPTH, THE CONTRACTOR SHALL OVER EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF 12 INCHES AND BACK FILL WITH CLEAN SANDS.
- PROVIDE ALL DISTURBED AREAS WITHIN THE LIMITS OF THE WORK WITH TEMPORARY SOIL EROSION CONTROL AND SEDIMENT CONTROL. UTILIZING EARTH DAMS & PONDS, GRADE TO DRAIN SWALES, SETTLING BASINS, SILT FENCES, STONE FILTERS, HAY BALE FILTERS, ETC. TREATING ALL SOIL SURFACES WITH SEEDED TOPSOIL AND / OR MULCH AFTER GRADING.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED STATE AND LOCAL LAWS SHALL BE COMPLIED WITH AT ALL TIMES.
- MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ONE TIME AND INSTALL SOIL EROSION CONTROL FENCES AS SHOWN AND IN SUCH A MANNER AS TO CAPTURE AND FILTER SURFACE WATER DURING CONSTRUCTION.
- PERMANENT VEGETATION SHALL BE BY SEEDING OR SODDING ALL EXPOSED AREAS WITHIN THREE DAYS AFTER FINAL GRADING. MULCH SHALL BE USED AS NECESSARY FOR PROTECTION UNTIL 75% GROWTH IS ESTABLISHED.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL WHICH WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY AS TO PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
- ALL NEW EROSION AND SILT CONTROL METHODS AND LOCATIONS INDICATED ON THIS DRAWING ARE FOR STARTUP AND GENERAL REFERENCE AND SHALL BE ADJUSTED, AS REQUIRED TO SUIT THE PROCESS OF THE CONSTRUCTION.
- ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL RECEIVE VEGETATIVE TREATMENT AFTER FINAL GRADING IN ACCORDANCE WITH THESE PLANS. DISTURBED AREAS NOT SPECIFICALLY DESIGNATED WITH A VEGETATIVE COVER SHALL BE VEGETATED AS FOLLOWS: POND SIDE SLOPES SHALL BE SODDED WITH ARGENTINE BAHIA UNLESS OTHERWISE NOTED ON LANDSCAPE PLANS.
- HAY BALES SHALL BE PLACED ON THE UPLAND SIDE AND ADJACENT TO ALL SILT FENCE WHICH IS ADJACENT TO WETLAND AREAS TO PROVIDE ADDED SILTATION PROTECTION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE HAY BALES SHALL BE REMOVED AT SUCH TIME AS THEIR PRESENCE IMPEDES CONSTRUCTION.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL EROSION CONTROL TEMPORARY DRAINAGE AND INCIDENTAL CONSTRUCTION NECESSARY TO PREVENT EROSION. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER/AND/OR AUTHORITIES.
- SILT FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 104 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019 OR LATEST EDITION. FILTER FABRIC FOR SILT FENCE AND INLET PROTECTION SHALL BE IN ACCORDANCE WITH SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019 OR LATEST EDITION.
- RUBBLE RIPRAP SHALL BE IN CONFORMANCE WITH SECTION 530 OF THE FDOT FDOT STANDARD SPECIFICATIONS. FILTER FABRIC FOR CHECK DAMS SHALL BE IN ACCORDANCE WITH SECTION 514 OF THE FDOT STANDARD SPECIFICATIONS 2019 OR LATEST EDITION.
- EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON DRAWINGS WHERE APPLICABLE OR AT LOCATIONS DETERMINED BY THE ENGINEER. THE QUANTITY OF TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICE MAY BE INCREASED OR DECREASED FROM THAT SHOWN IN THE DRAWINGS BASED ON WEATHER, CONSTRUCTION PROCEDURES AND ACTUAL SITE CONDITIONS THAT OCCUR DURING CONSTRUCTION. SUCH VARIATIONS WILL NOT BE CONSIDERED AS ALTERATIONS IN THE DETAILS OF CONSTRUCTION OR A CHANGE IN THE CHARACTER OF WORK.

DISCIPLINE RESPONSIBLE FOR THE FOLLOWING SHEETS:	
Sheet Number	Sheet Title
C1.0	GENERAL NOTES
C1.1	STORMWATER POLLUTION PREVENTION PLAN
C2.0	DEMOLITION & EROSION CONTROL PLAN
C3.0	HORIZONTAL CONTROL PLAN
C4.0	PAVING, GRADING & DRAINAGE PLAN
C6.0	CONSTRUCTION DETAILS
C6.1	CONSTRUCTION DETAILS

STATE OF FLORIDA,
PROFESSIONAL ENGINEER,
LICENSE NO. 60882, THIS
ITEM HAS BEEN DIGITALLY
SIGNED BY VICTOR M.
HUGGINS, P.E. ON
NOVEMBER 20, 2019 USING
A DIGITAL SIGNATURE.
PRINTED COPIES OF THIS
DOCUMENT ARE NOT
CONSIDERED SIGNED AND
SEALED AND THE
SIGNATURE MUST BE
VERIFIED ON ANY
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**HARDEMAN • KEMPTON
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& Civil Engineers**

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Landscape Architecture Certificate
of Authorization #LC0000267

Engineering Business Certificate
of Authorization No. #26775

PREPARED FOR:
**CITY OF TAMPA
PARKS & RECREATION
DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602**

PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
GENERAL NOTES

NO.	DATE	DESCRIPTION	PER SW/FM/D COMMENTS	REQUEST FROM COT PARKS & REC	REQUEST FROM COT PARKS & REC				
1	10/16/19			10/30/19	11/19/19				
2									
3									
4									
5									

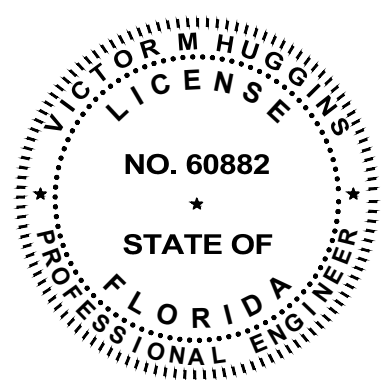
PROJ. NO. : C033019K

DATE : 09-04-19

DESIGNED : S.D.M. / T.S

CHECKED : V.M.H. / T.K.

VICTOR M. HUGGINS, P.E.
F.L. REG. NO. 60882
PROFESSIONAL ENGINEER



11/20/19

THIS PLAN IS NOT VALID UNLESS
SIGNED, DATED & RAISED SEAL
AFFIXED OR PERMANENT INK SEAL


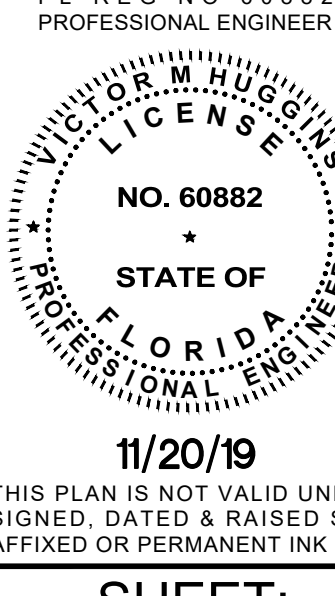
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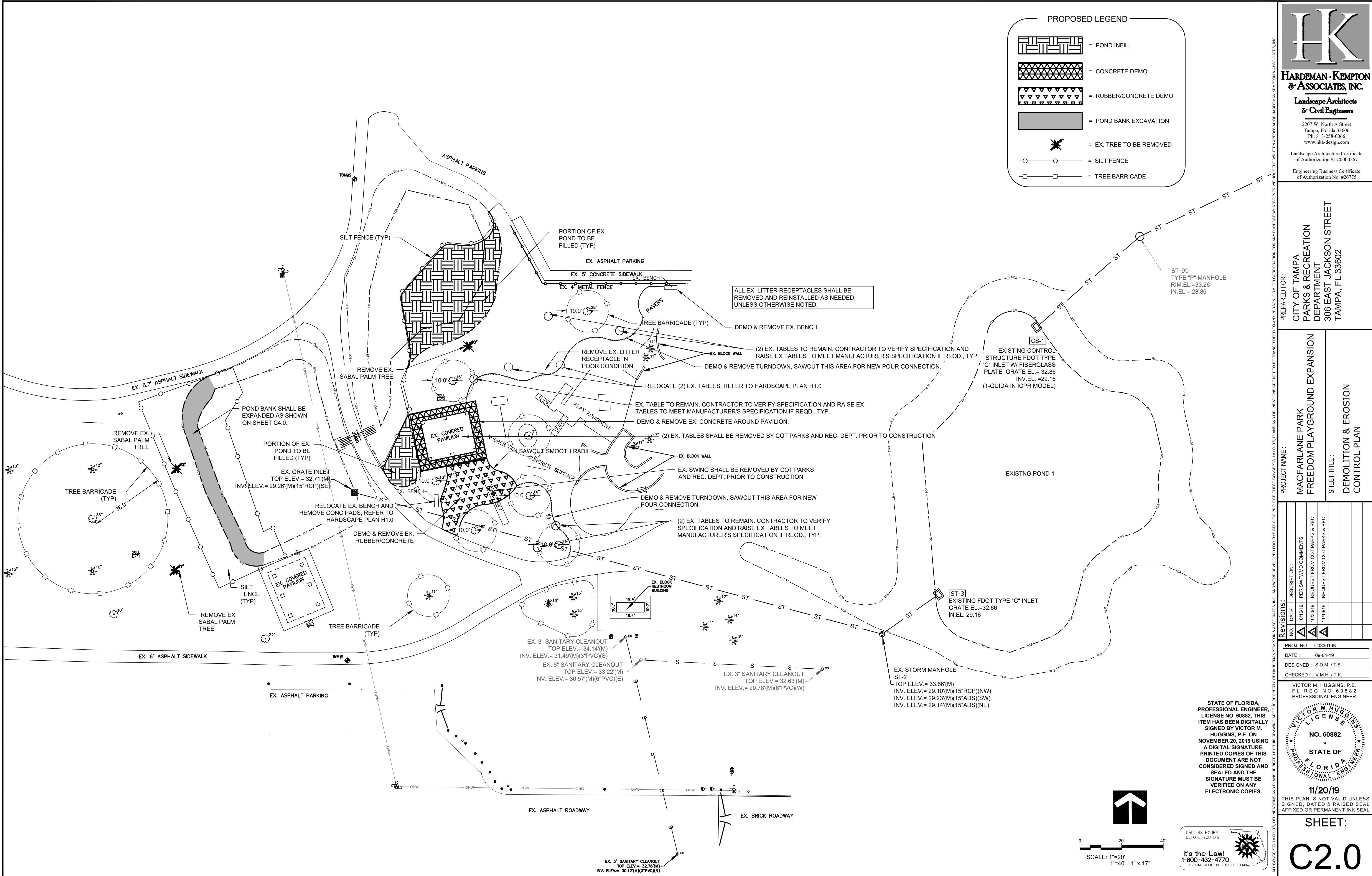
C1.0

SITE DESCRIPTION	
PROJECT NAME: MACFARLANE PARK FREEDOM PLAYGROUND EXPANSION LAT. = 27°57'29.47"N LONG. = 82°29'41.00"W	OWNER'S NAME: CITY OF TAMPA - PARKS & RECREATION DEPT. OWNER'S ADDRESS: 306 EAST JACKSON STREET TAMPA, FL 33602
DESCRIPTION OF NATURE OF CONSTRUCTION ACTIVITY EXPANSION OF AN EXISTING PLAYGROUND AT MACFARLANE PARK	
SOIL DISTURBING ACTIVITIES INCLUDE: INSTALLING STABILIZED CONSTRUCTION ENTRANCES, CONSTRUCTION OF EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, GRADING, CONSTRUCTION OF STORM SEWER, PLAYGROUND SYSTEMS INSTALLATION, PARKING AREA CONSTRUCTION, AND PREPARATION FOR FINAL LANDSCAPING. RUNOFF COEFFICIENT: THE FINAL COEFFICIENT OF RUNOFF FOR THE SITE WILL BE C=0.81 LIMITS OF CONSTRUCTION AREA: ±0.35 ACRES	
SEQUENCE OF MAJOR ACTIVITIES 1. PRIOR TO COMMENCEMENT OF CLEARING FOR CONSTRUCTION, SITE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES AND NECESSARY TREE BARRICADES CALLED FOR ON PLANS AROUND THE SITE. 2. UPON COMPLETION OF THE INSTALLATION, THE SITE CONTRACTOR MAY BEGIN SITE CLEARING, EARTHWORK, DRAINAGE, UTILITY AND ROADWAY CONSTRUCTION ACTIVITIES WITHIN THE CONTRIBUTING BASIN. THE SITE CONTRACTOR SHALL STABILIZE ALL AREAS DISTURBED WITHIN FIVE DAYS OF ME COMPLETION OF GRADING ACTIVITIES OF THE DISTURBED AREA. 3. DURING CONSTRUCTION, THE SITE CONTRACTOR SHALL PERFORM REQUIRED MAINTENANCE AND INSPECTIONS OF THE DEVICES. 4. THE SITE CONTRACTOR SHALL REMOVE ALL EROSION PROTECTION DEVICES WITHIN EACH CONTRIBUTING AREA FOLLOWING PERMANENT STABILIZATION OF ALL DISTURBED AREAS.	
NAME OF RECEIVING WATER: TAMPA BAY	
CONTROLS	
EROSION AND SEDIMENT CONTROLS	
STABILIZATION PRACTICES	
<u>WIND EROSION STABILIZATION:</u> THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO GRADE OR ALTERED WITHIN A TWO (2) WEEK TIME-FRAME. FINAL GRADES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATED THE SURFACE SOILS ON A DAILY BASIS, OR AS NEEDED TO MAINTAIN MINIMAL DUST TRANSPORT. FUGITIVE DUST SHALL BE MONITORED CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.	
<u>TEMPORARY STABILIZATION:</u> TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 5 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA SEED AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDETERIORATED MULCH WHICH CAN BE READILY CUT INTO THE SOIL SHALL BE USED. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASED MATERIAL.	
<u>PERMANENT STABILIZATION:</u> DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD NO LATER THAN 5 DAYS AFTER THE LAST CONSTRUCTION.	
STRUCTURAL PRACTICES	
<u>STAKE SILT FENCES:</u> THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE PERIMETER AS PREVIOUSLY EXPLAINED. THESE DEVICES WILL STOP AND DIVERT RUNOFF TO THE SEDIMENT BASINS. <u>SEDIMENT BASINS:</u> THE STORM WATER MANAGEMENT AREAS WILL ACT AS SEDIMENT BASINS DURING CONSTRUCTION. THE SEDIMENT BASINS WILL BE CONSTRUCTED TO THE DESIGN CROSS-SECTION, OR A MINIMUM OF 2' BELOW EXISTING GROUND AT THE CONTRACTORS DISCRETION TO ALLOW SILTS TO BE COLLECTED AND REMOVED PRIOR TO COMPLETION OF THE GRADING.	
STORM WATER MANAGEMENT	
STORM WATER DRAINAGE WILL BE PROVIDED BY A CURB, SWALE, STORM SEWER, AND CATCH BASIN SYSTEM FOR THE DEVELOPED AREAS. SWALES TO BE SODDED AND INCLUDE CHECK DAMS AND RIPRAP TO CONTROL RUNOFF VELOCITY AND TRANSPORT OF SEDIMENT. WHEN CONSTRUCTION IS COMPLETE THE IMPROVED PORTION OF THE SITE WILL DRAIN TO STORM WATER PONDS. THE PONDS WILL BE IN THE LOCATION OF THE TEMPORARY SEDIMENT BASINS. WHEN UPSLOPE AREAS ARE STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASINS. THE PONDS HAVE BEEN DESIGNED BY A PROFESSIONAL ENGINEER TO LIMIT PEAK FLOW RATES FROM THE DESIGN STORM EVENT AT OR BELOW PRE-DEVELOPMENT RATES, AND CONSTRUCTION PER DETAILS SHOWN IN THE PLANS IS IMPERATIVE.	
OTHER CONTROLS	
WASTE DISPOSAL	
<u>WASTE MATERIALS:</u> ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER CITY OF TAMPA SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTERS. THE DUMPSTERS WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE, IF NECESSARY, AND THE TRASH WILL BE HAULED TO A REGISTERED LANDFILL FOR DISPOSAL. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANGER RESPONSIBLE OR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. <u>HAZARDOUS WASTE:</u> ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. <u>SANITARY WASTE:</u> ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.	
OFFSITE VEHICLE TRACKING	
STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPALKIN AT ALL TIMES.	

<p align="center">TIMING OF CONTROL MEASURES</p> <p>AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH WITHIN 5 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTED ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOF. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.</p>														
<p align="center">CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS</p>														
<p>THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICTS (SWFWMD) REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL, AS ESTABLISHED BY THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 40D-4 AND 40D-40. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH SWFWMD'S "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT". THIS PLAN ALSO REFLECTS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR WORK IN BRANCH 6.</p>														
<p align="center">MAINTENANCE INSPECTION PROCEDURES</p>														
<p align="center">EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES</p>														
<p>THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL.</p> <p>ALL CONTROL MEASURES IN DISTURBED AREAS WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM EVENT OF 0.25 INCHES OR GREATER BY A CONTRACTORS REPRESENTATIVE. WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. TEMPORARY AND PERMANENT GRASSING, MULCHING AND SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FILLING OUT THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.</p>														
<p align="center">NON-STORM WATER DISCHARGES</p>														
<p>IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:</p> <p>WATER FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, WATER LINE FLUSHING, WATER USED TO SPRAY OFF LOOSE SOILS FROM VEHICLES, DUST CONTROL, PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.</p> <p>GROUNDWATER DEWATERING ACTIVITIES ARE NOT COVERED BY THIS PERMIT. THE CONTRACTOR MUST APPLY FOR COVERAGE UNDER THE GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO 62-621.300 (2), F.A.C.</p>														
<p align="center">INVENTORY FOR POLLUTION PREVENTION PLAN</p>														
<p>THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:</p> <table border="0"><tr><td>CONCRETE</td><td>FERTILIZERS</td></tr><tr><td>DETERGENTS</td><td>PETROLEUM BASED PRODUCTS AND FUELS</td></tr><tr><td>PAINTS (ENAMEL AND LATEX)</td><td>CLEANING SOLVENTS</td></tr><tr><td>METAL STUDS</td><td>WOOD</td></tr><tr><td>GLASS</td><td>MASONRY BLOCK</td></tr><tr><td>TAR</td><td>ROOFING SHINGLES</td></tr><tr><td>SAND</td><td>STONE</td></tr></table>	CONCRETE	FERTILIZERS	DETERGENTS	PETROLEUM BASED PRODUCTS AND FUELS	PAINTS (ENAMEL AND LATEX)	CLEANING SOLVENTS	METAL STUDS	WOOD	GLASS	MASONRY BLOCK	TAR	ROOFING SHINGLES	SAND	STONE
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<p>THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.</p> <p>GOOD HOUSEKEEPING:</p> <p>THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.</p> <p>AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THE JOB APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.</p> <p>HAZARDOUS PRODUCTS:</p> <p>THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.</p> <p>PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.</p> <p>THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE:</p> <p>PETROLEUM PRODUCTS:</p> <p>ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.</p> <p>FERTILIZERS:</p> <p>FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OR ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.</p> <p>PAINTS:</p> <p>ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.</p> <p>CONCRETE TRUCKS:</p> <p>CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.</p>														

<div>SPILL CONTROL PRACTICES</div> <p>IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION OF THE PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.</p> <p>MANUFACTURES' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.</p> <p>MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.</p> <p>ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.</p> <p>THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.</p> <p>SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.</p> <p>THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.</p> <p>THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATION. THEY WILL DESIGNATE OTHER PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON-SITE.</p>														
<div>NOTICE OF TERMINATION</div> <p>A NOTICE OF TERMINATION WILL BE SUBMITTED TO EPA AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.</p>														
<div>POLLUTION PREVENTION PLAN CERTIFICATION</div> <p>I CERTIFY UNDER PENALTY OF LAW THAT THESE CONSTRUCTION PLANS, THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM, AS SHOWN ON THESE CONSTRUCTION PLANS, DESIGNED TO ASSURE THAT APPROPRIATE POLLUTION PREVENTION MEASURES ARE IMPLEMENTED DURING CONSTRUCTION AND TO ASSURE THAT THE QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOW VIOLATIONS.</p> <table><tr><td>OWNER:</td><td>CITY OF TAMPA</td></tr><tr><td>SIGNED:</td><td></td></tr><tr><td>NAME AND TITLE:</td><td>PEG BORS - LANDSCAPE ARCHITECH</td></tr><tr><td>ADDRESS:</td><td>306 EAST JACKSON STREET, TAMPA, FL 33602</td></tr><tr><td>DATE:</td><td></td></tr></table>			OWNER:	CITY OF TAMPA	SIGNED:		NAME AND TITLE:	PEG BORS - LANDSCAPE ARCHITECH	ADDRESS:	306 EAST JACKSON STREET, TAMPA, FL 33602	DATE:			
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<div>POLLUTION PREVENTION PLAN CERTIFICATION</div> <p>I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERIC STORM WATER PERMIT ISSUED PURSUANT TO SECTION 403.0885, F.S., THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.</p> <table><tr><th>SIGNATURE</th><th>FOR</th><th>RESPONSIBLE FOR</th></tr><tr><td><div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div></td><td><div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div></td><td>GENERAL CONTRACTOR</td></tr><tr><td><div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div></td><td><div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div></td><td>TEMPORARY AND PERMANENT STABILIZATION</td></tr><tr><td><div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div></td><td><div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div></td><td>TEMPORARY AND PERMANENT STABILIZATION</td></tr></table>			SIGNATURE	FOR	RESPONSIBLE FOR	<div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div>	<div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div>	GENERAL CONTRACTOR	<div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div>	<div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div>	TEMPORARY AND PERMANENT STABILIZATION	<div><div></div><div>NAME: _____</div><div>TITLE: _____</div><div>DATE: _____</div></div>	<div><div>COMPANY: _____</div><div>ADDRESS: _____</div><div>PHONE: _____</div></div>	TEMPORARY AND PERMANENT STABILIZATION
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<p>SHEET:</p> <p style="font-size: 2em;">C1 1</p>																													



PROPOSED LEGEND

- [Pattern] = POND INFILL
- [Pattern] = CONCRETE DEMO
- [Pattern] = RUBBER/CONCRETE DEMO
- [Pattern] = POND BANK EXCAVATION
- [Symbol] = EX. TREE TO BE REMOVED
- [Symbol] = SILT FENCE
- [Symbol] = TREE BARRICADE

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DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602**

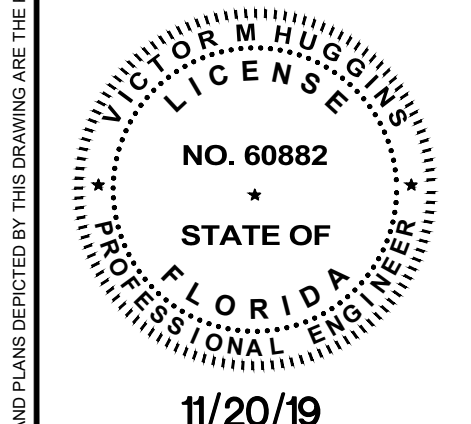
PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
**DEMOLITION & EROSION
CONTROL PLAN**

NO.	DATE	DESCRIPTION
1	10/16/19	PER SWFVMD COMMENTS
2	10/30/19	REQUEST FROM COT PARKS & REC
3	11/19/19	REQUEST FROM COT PARKS & REC

PROJ. NO.: C033019K
DATE: 09-04-19
DESIGNED: S.D.M./T.S.
CHECKED: V.M.H./T.K.

VICTOR M. HUGGINS, P.E.
F.L. REG. NO. 60882
PROFESSIONAL ENGINEER



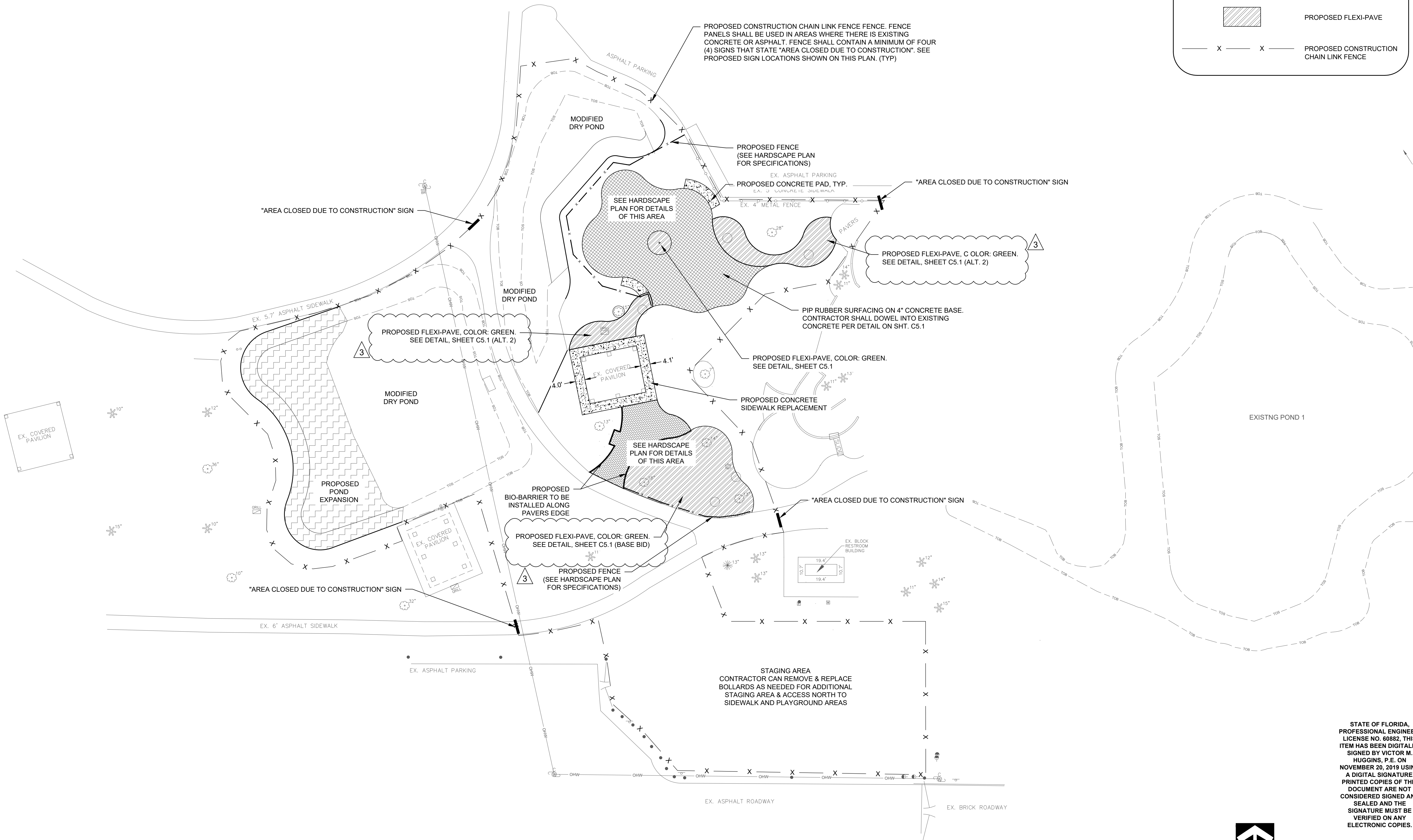
11/20/19
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SHEET:
C2.0

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NOVEMBER 20, 2019 USING
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.



LEGEND

- PROPOSED CONCRETE
- PROPOSED FLEXI-PAVE
- PROPOSED CONSTRUCTION CHAIN LINK FENCE

HARDEMAN · KEMPTON & ASSOCIATES, INC.
Landscape Architects & Civil Engineers
2207 W. North A Street
Tampa, Florida 33606
Ph: 813-258-0066
www.hka-design.com

Landscape Architecture Certificate of Authorization #LC0000267
Engineering Business Certificate of Authorization No. #26775

PREPARED FOR:
**CITY OF TAMPA
PARKS & RECREATION
DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602**

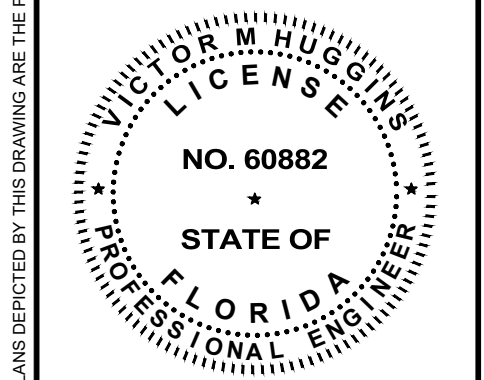
PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
HORIZONTAL CONTROL PLAN

NO.	DATE	DESCRIPTION
1	10/16/19	PER SWFVMD COMMENTS
2	10/30/19	REQUEST FROM COT PARKS & REC
3	11/19/19	REQUEST FROM COT PARKS & REC

PROJ. NO.: C033019K
DATE: 09-04-19
DESIGNED: S.D.M./T.S.
CHECKED: V.M.H./T.K.

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11/20/19
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SHEET:
C3.0

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SCALE: 1"=20'
1"=40' 11" x 17"

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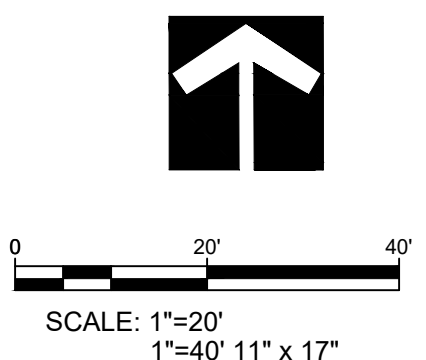
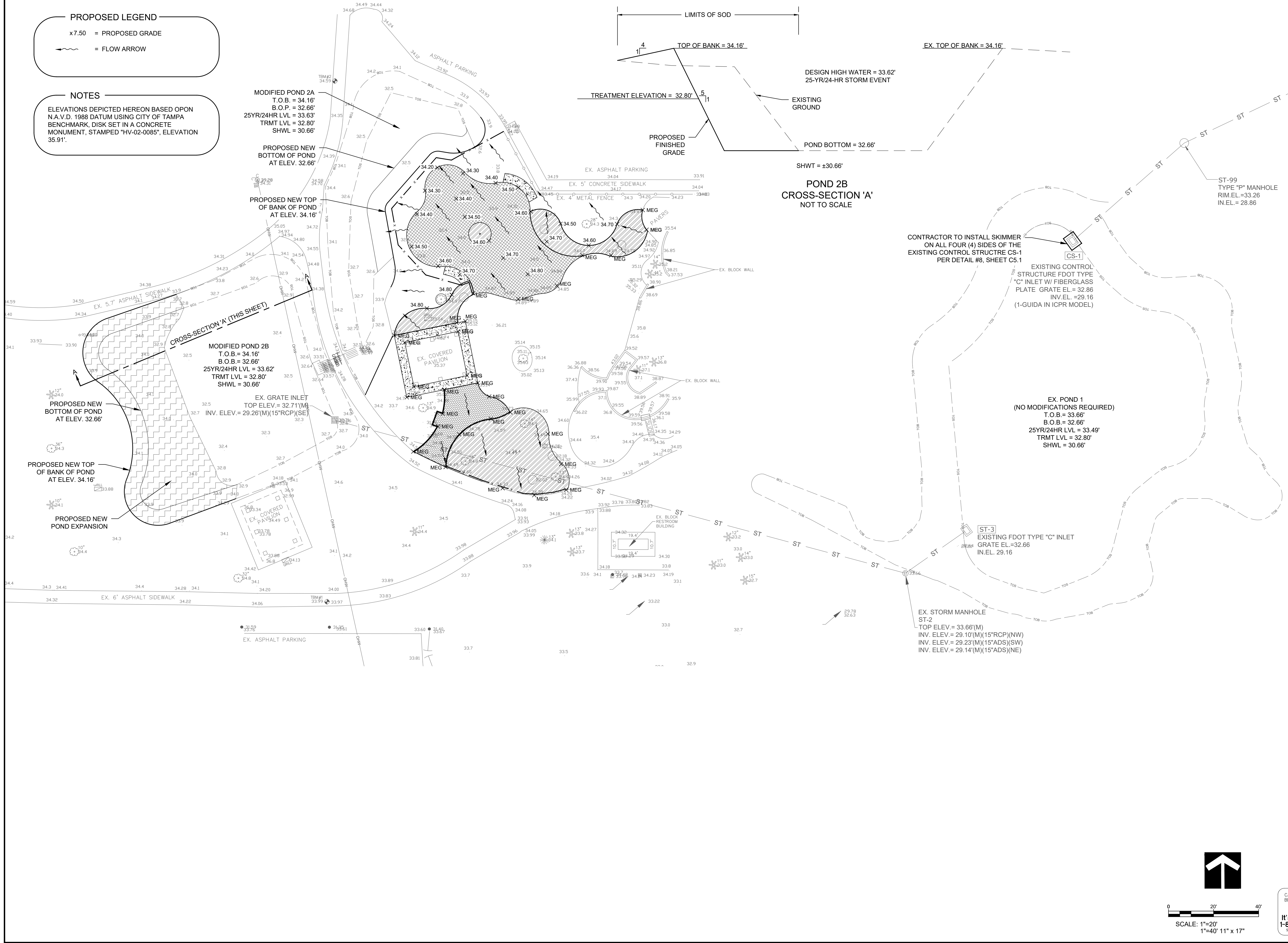
PROPOSED LEGEND

x7.50 = PROPOSED GRADE

→ = FLOW ARROW

NOTES

ELEVATIONS DEPICTED HEREON BASED OPON N.A.V.D. 1988 DATUM USING CITY OF TAMPA BENCHMARK, DISK SET IN A CONCRETE MONUMENT, STAMPED "HV-02-0085", ELEVATION 35.91'.



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DEPARTMENT
306 EAST JACKSON STREET
TAMPA, FL 33602**

PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
**PAVING, GRADING & DRAINAGE
PLAN**

NO.	DATE	DESCRIPTION
1	10/16/19	PER SWFVMD COMMENTS
2	10/30/19	REQUEST FROM COT PARKS & REC
3	11/19/19	REQUEST FROM COT PARKS & REC

PROJ. NO.: C033019K
DATE: 09-04-19
DESIGNED: S.D.M. / T.S.
CHECKED: V.M.H. / T.K.

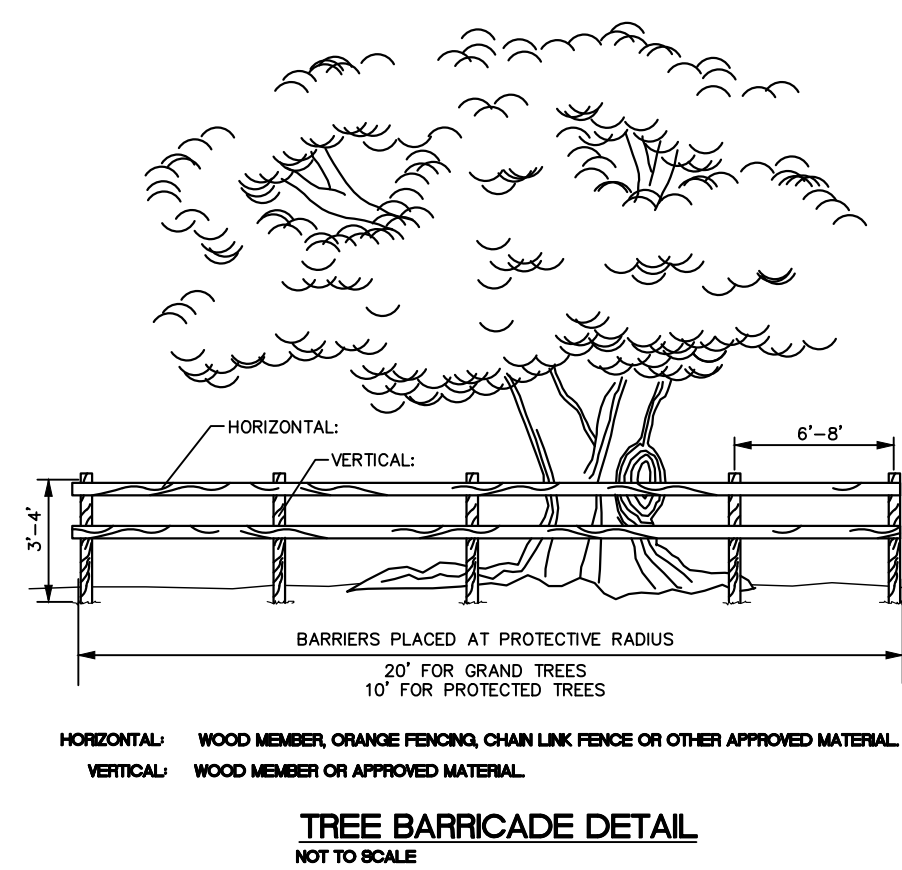
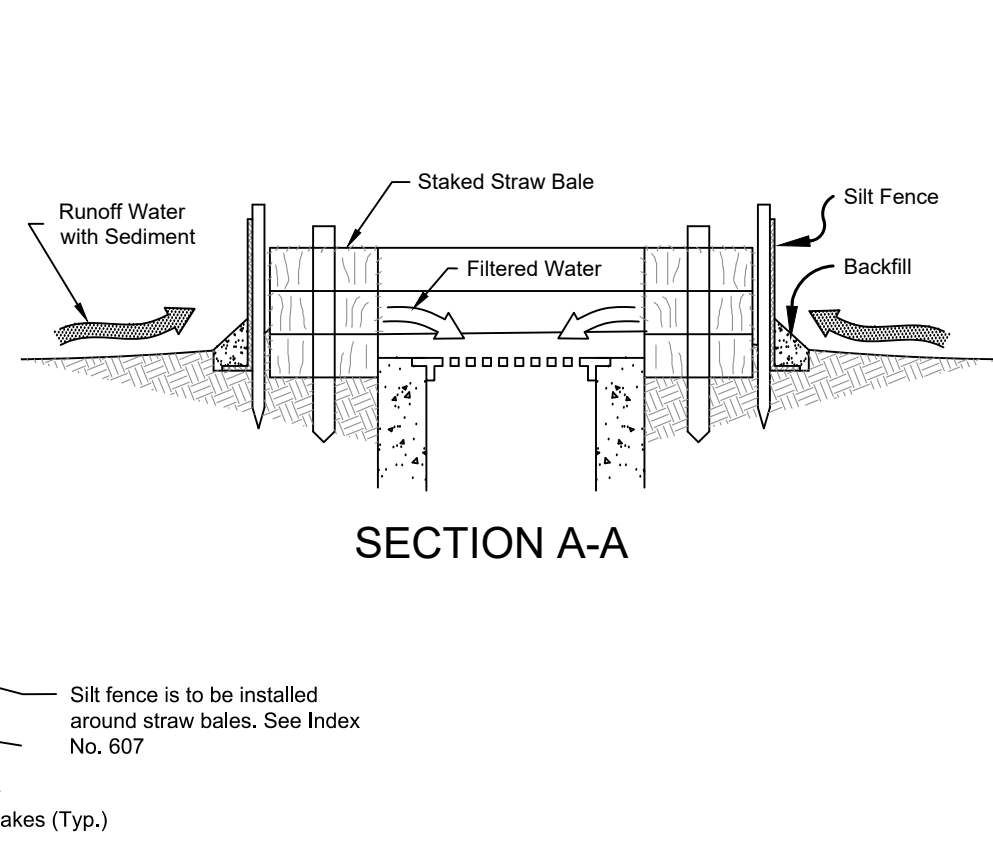
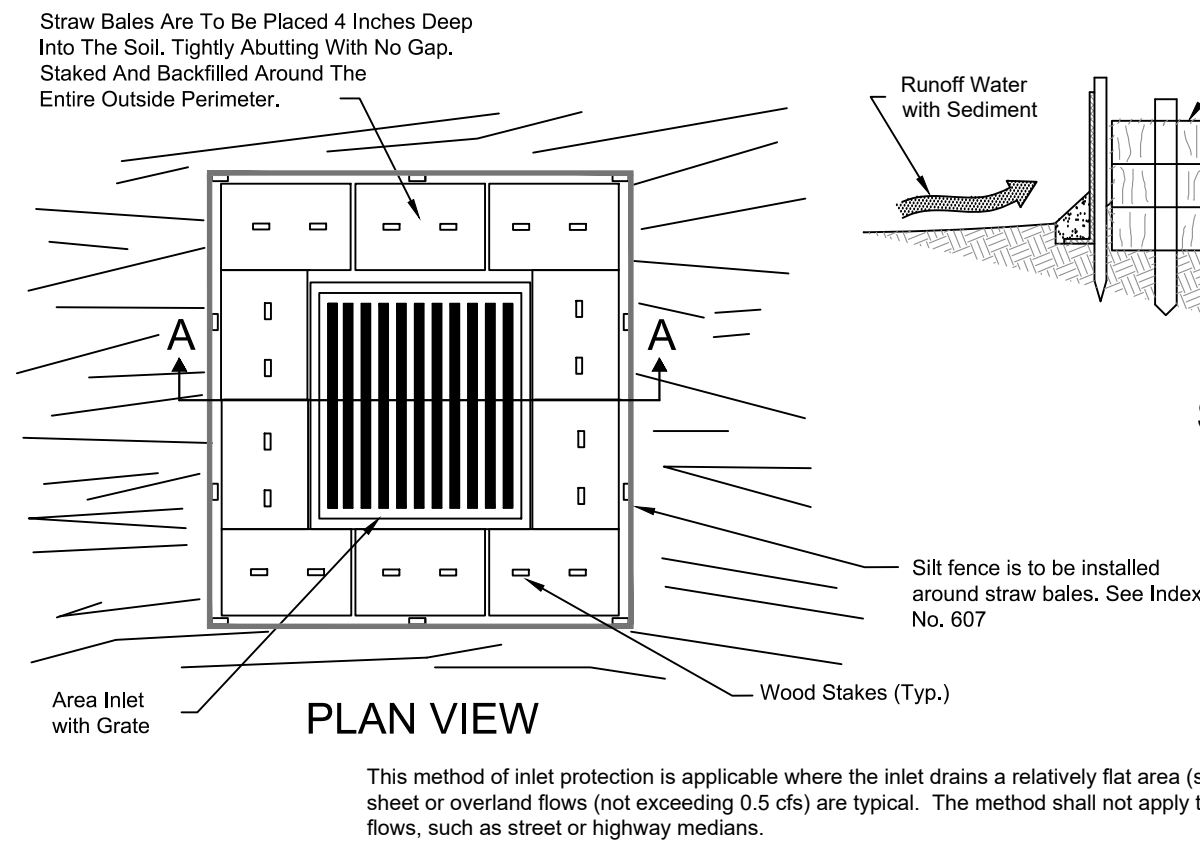
VICTOR M. HUGGINS, P.E.
F.L. REG. NO. 60882
PROFESSIONAL ENGINEER

11/20/19

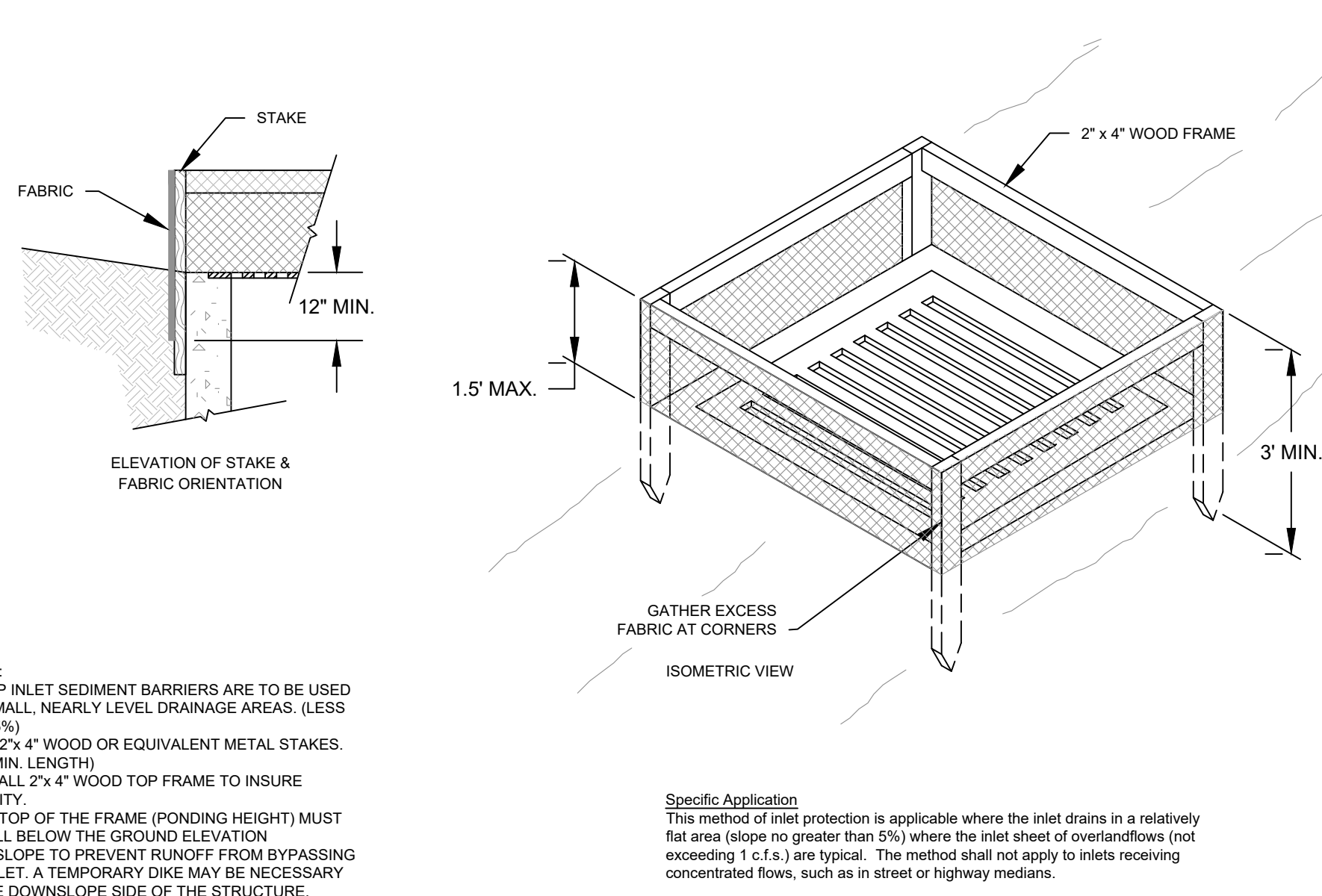
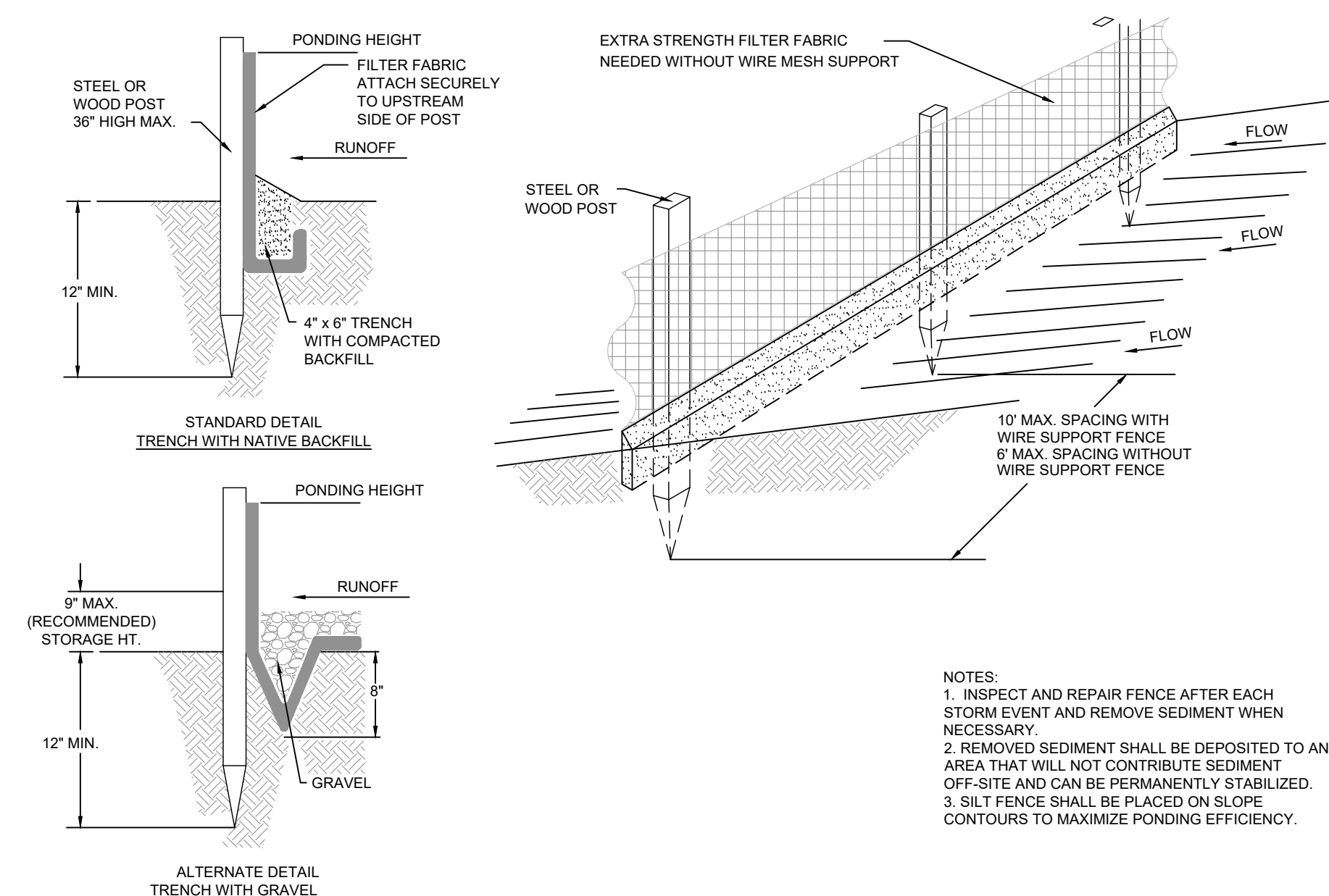
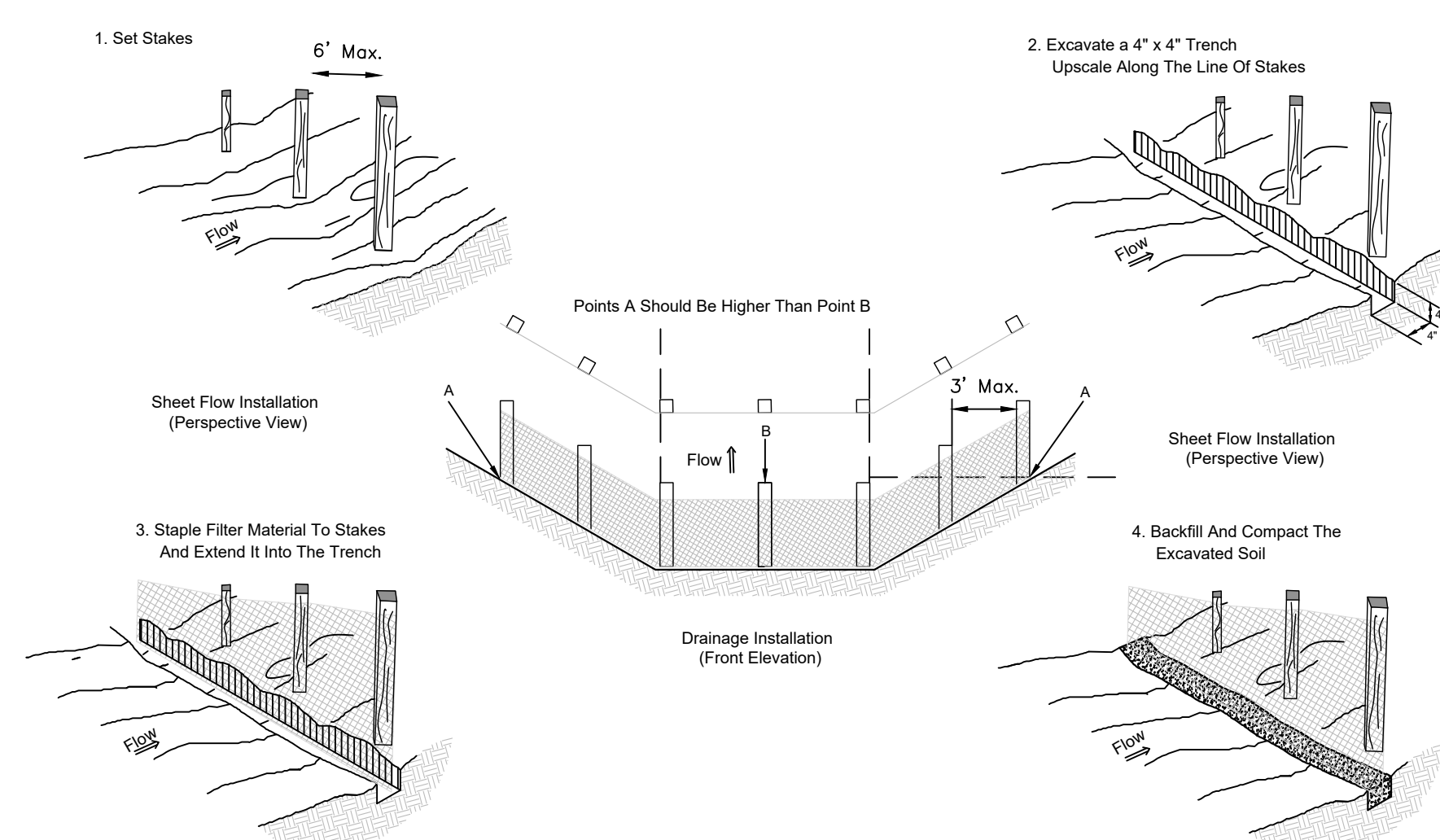
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SHEET:
C4.0

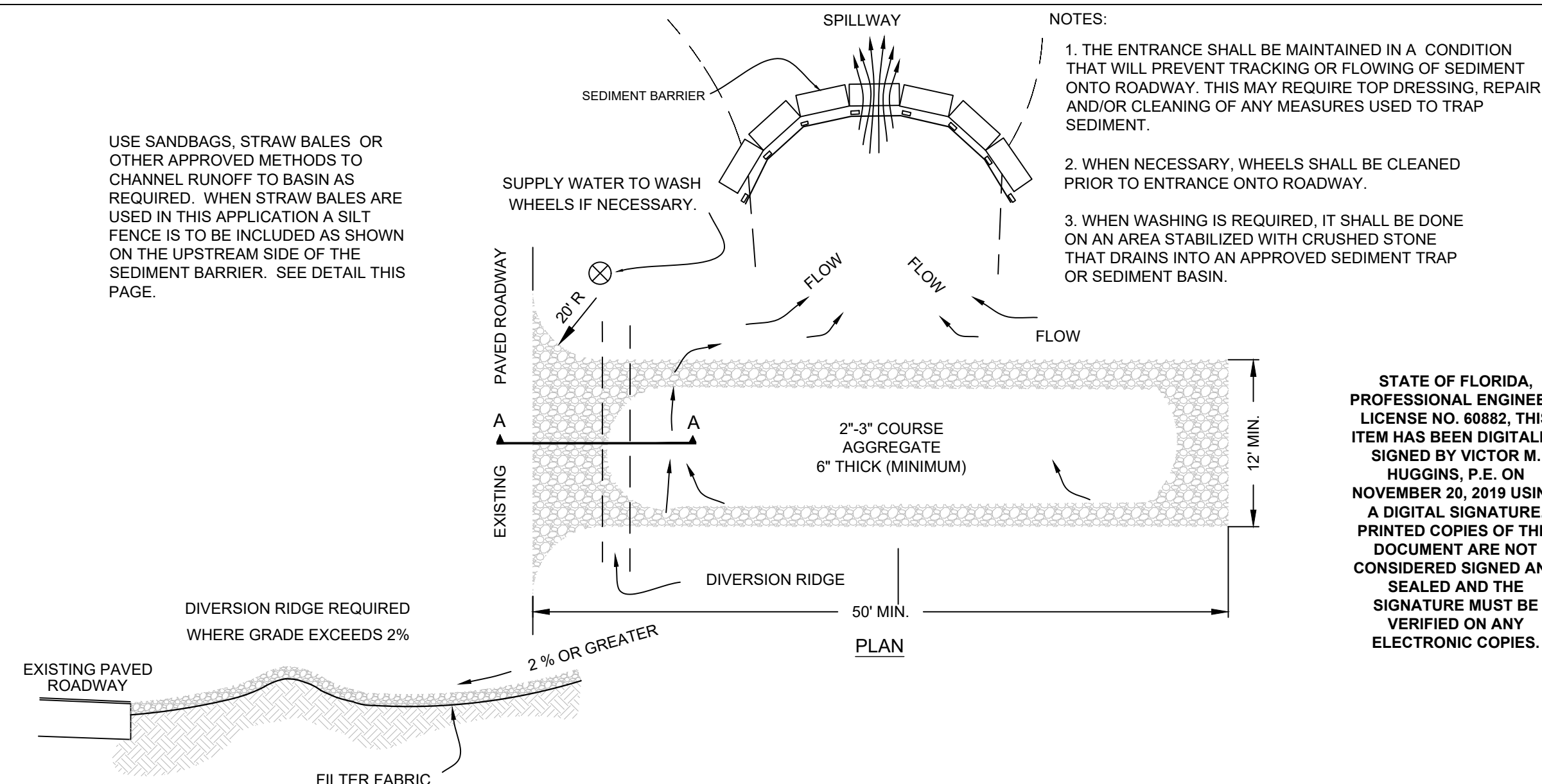
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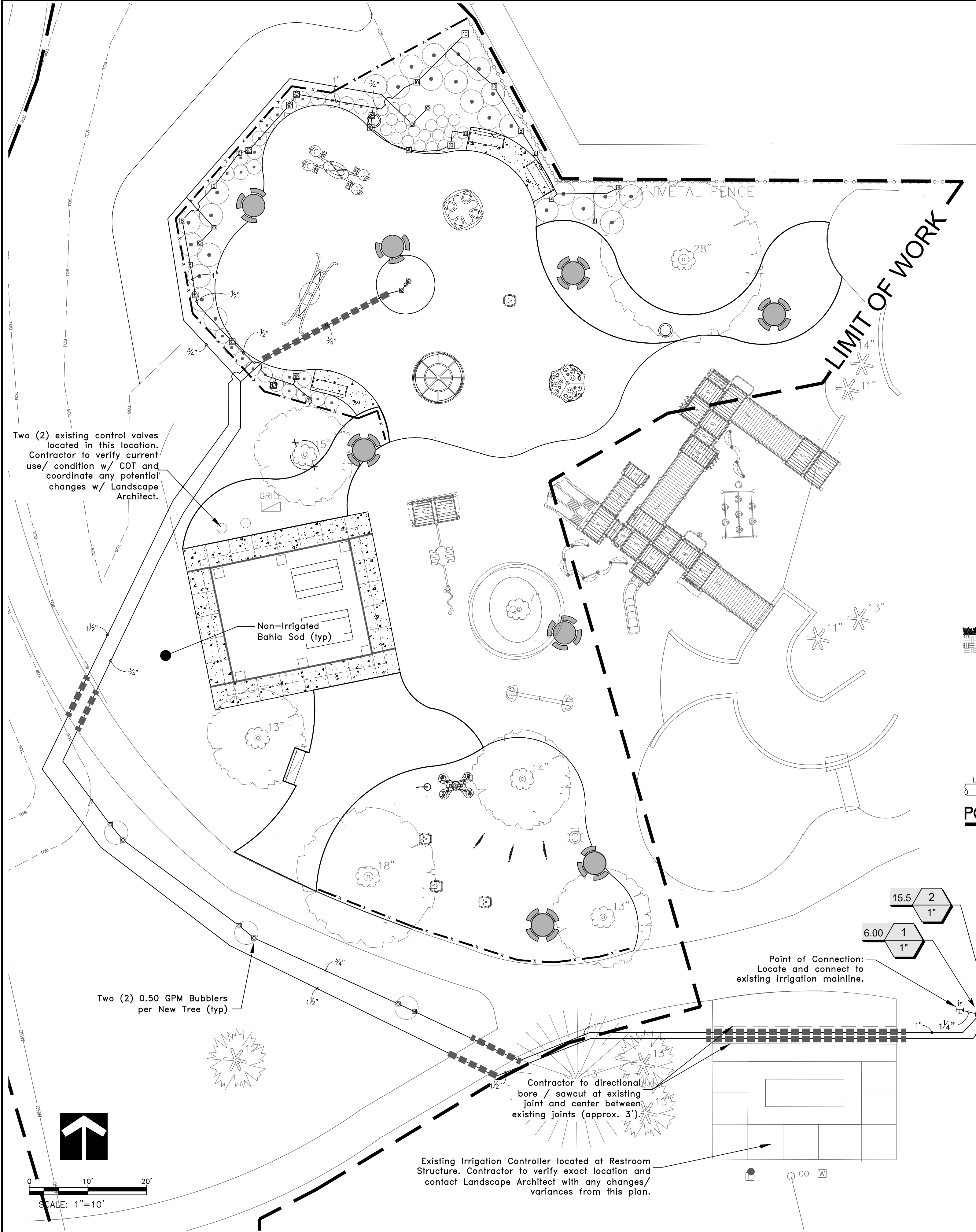


TREE PROTECTION DETAIL



6	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
---	--





IRRIGATION NOTES:

- Irrigation system design requirements: 20 GPM @ a minimum of 50 PSI at each point of connection. The Irrigation Contractor shall verify the available GPM and PSI prior to installation of the system.
- Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that conditions exist that might not have been considered in the design process. For example : obstructions, grade differences, water levels, dimensional differences, etc. Refer to the Landscape Plan to avoid conflicts with proposed trees or shrubs.
- Piping may sometimes be indicated as being located in unlikely areas: i.e., under buildings or pavement, outside of property lines, in lakes or ditches, etc. This is done for graphic clarity only. Whenever possible, piping is to be installed in open, green" areas.
- Pipe sizes shall conform to those on the drawings. Substituting with smaller pipe sizes will not be permitted. Minimum pipe size shall be 3/4". Maximum velocity shall be 4 FPS.
- Mainline is to be installed with a minimum of 18" depth of cover. Lateral lines are to be installed with a minimum of 12" depth of cover. Drip manifolds are to be installed with a minimum of 4" to 5" depth.
- Unless otherwise indicated, all sleeves are to be PVC Sch 40 and two (2) nominal sizes larger than the pipe to be sleeved. For example: The sleeve for a 2" pipe shall be 3". No irrigation sleeve shall be smaller than 2".
- Group remote control valves close to water source in 1 or 2 locations. All valves , flush valves and wire splices shall be installed in Rain Bird wide flanged, structural foam "plastic" valves boxes with "Green" lids as follows:

Remote Control Valves

#VB-STD (16"w x 21"l x 12"h) std. rect. box
- The bottom and sides of the valve boxes shall be lined with landscape fabric. Install a 3" deep bed of gravel on the landscape fabric to create a drainage sump.
- Refer to Valve Designation Symbols for controller, station number and designed flow rate for each remote control valve.
- All 24 volt control cable to be UL Listed, single strand, type UF 600 Volt control cable. Size and color as follows:

Common Wires

- size AWG #12 or larger and WHITE in color.

Hot Wires

- size AWG #14 or larger and RED in color.

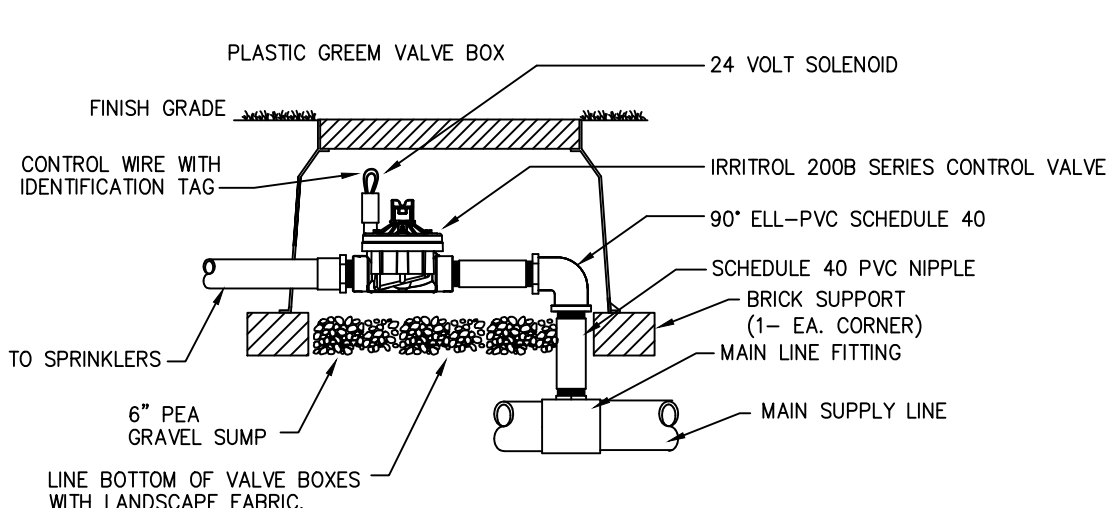
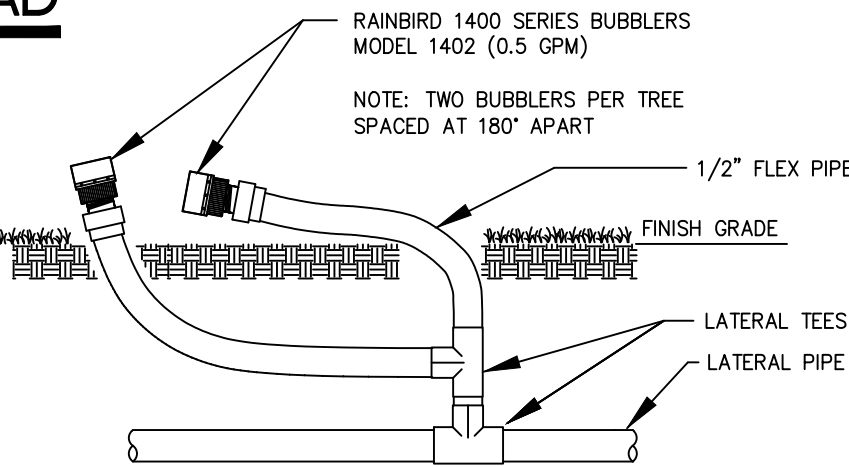
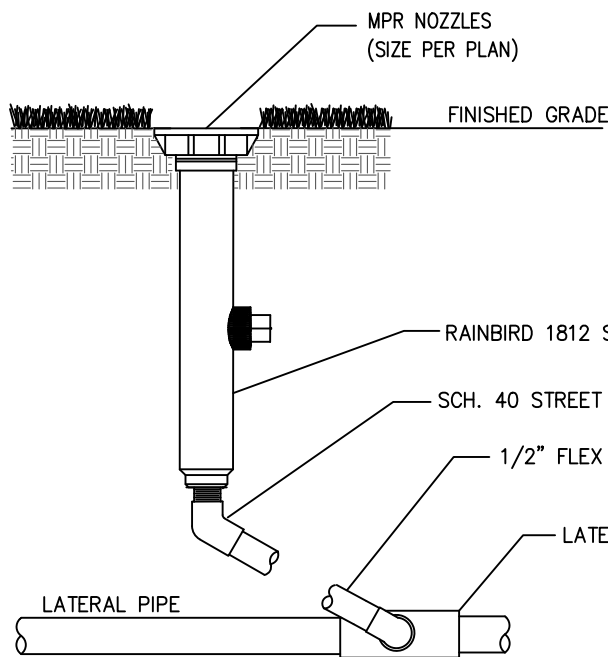
Extra Wires

- size AWG #14 or larger and BLACK in color

Install (1) white, (2) red, and (2) black wires to be run from control valves to existing Irrinet-M controller w/ 6' pig tail. Wiring connections to the controller to be made by COT irrigation staff.
- All splices to the 24 volt control wiring shall be made with King grease filled 24-600 volt, direct bury splice kits.
- All control valve wires shall be bundled and taped together at 20" intervals and placed along the underside of the mainline pipe or in conduit.
- All pop-up sprinkler heads shall be installed level and flush to grade. Mount all sprinklers on flexible connections as follows:

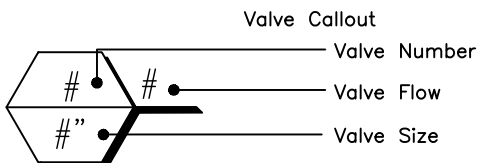
1/2" inlet spray heads

18" of Heavy Wall PVC IPS Hose
- The IRRIGATION CONTRACTOR shall prepare a digitally reproducible AS-BUILT drawing detailing the actual installation of the irrigation system. The AS-BUILT drawings shall locate all main line piping, control wires, wire splices, sleeves and valves by showing exact measurements from permanent features (buildings, edge of pavement, power poles, fire hydrants, etc.). Include depth of cover on mainline and sleeves.
- No product substitutions will be permitted without the written permission of the Owner's Representative. Irrigation Contractor to provide submittals to the Owner's Representative for approval prior to installation.
- Any other equipment required that is not other wise detailed or specified shall be installed as per manufacturer's recommendations and local code.
- All installation and material used in the construction / modification of the irrigation system must conform to City of Tampa Parks & Rec. Irrigation specifications.



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird 1812 Shrub Spray 15 Strip Series
	12.0" Pop-Up Sprinkler with Side and Bottom Inlet.
	Rain Bird 1812 Shrub Spray 8 Series MPR (arc as needed)
	12.0" Pop-Up Sprinkler with Side and Bottom Inlet.
	Rain Bird 1812 Shrub Spray 10 Series MPR (arc as needed)
	12.0" Pop-Up Sprinkler with Side and Bottom Inlet.
	Rain Bird 1812 Shrub Spray (arc as needed)
	12.0" Pop-Up Sprinkler with Side and Bottom Inlet.
	Rain Bird 1812 Shrub Spray (arc as needed)
	12.0" Pop-Up Sprinkler with Side and Bottom Inlet.
	Rain Bird 1800-1400 Flood 1401
	Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FIPT.
	Rain Bird 1800-1400 Flood 1401
	Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FIPT.
	Irritrol 214B
	Electric Remote Control Valve, globe/angle configuration
	Existing Irrigation Mainline
	20 GPM at 50 PSI Required
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Schedule 40
	Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.



CONTRACTOR NOTE:
Contractor to locate, identify, and notify Landscape Architect of existing irrigation conditions and/ or any required changes for approval prior to construction.

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DEPARTMENT
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TAMPA, FL 33602**

PROJECT NAME:
**MACFARLANE PARK
FREEDOM PLAYGROUND EXPANSION**

SHEET TITLE:
IRRIGATION PLAN

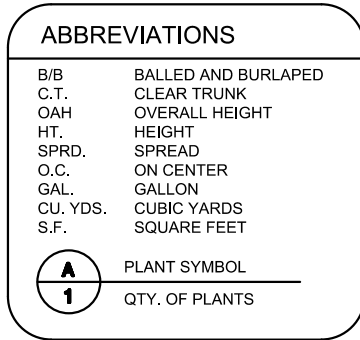
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PROJ. NO.: C033019K
DATE: 09-04-19
DESIGNED: T.K. / T.S.
CHECKED: T.K.

JAMES T. KEMPTON, R.L.A.
REG. NO. 0001493
LANDSCAPE ARCHITECT

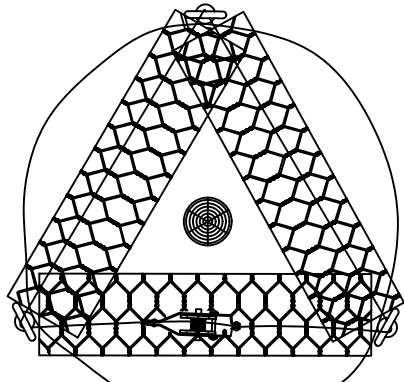
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SHEET:
IR1.0

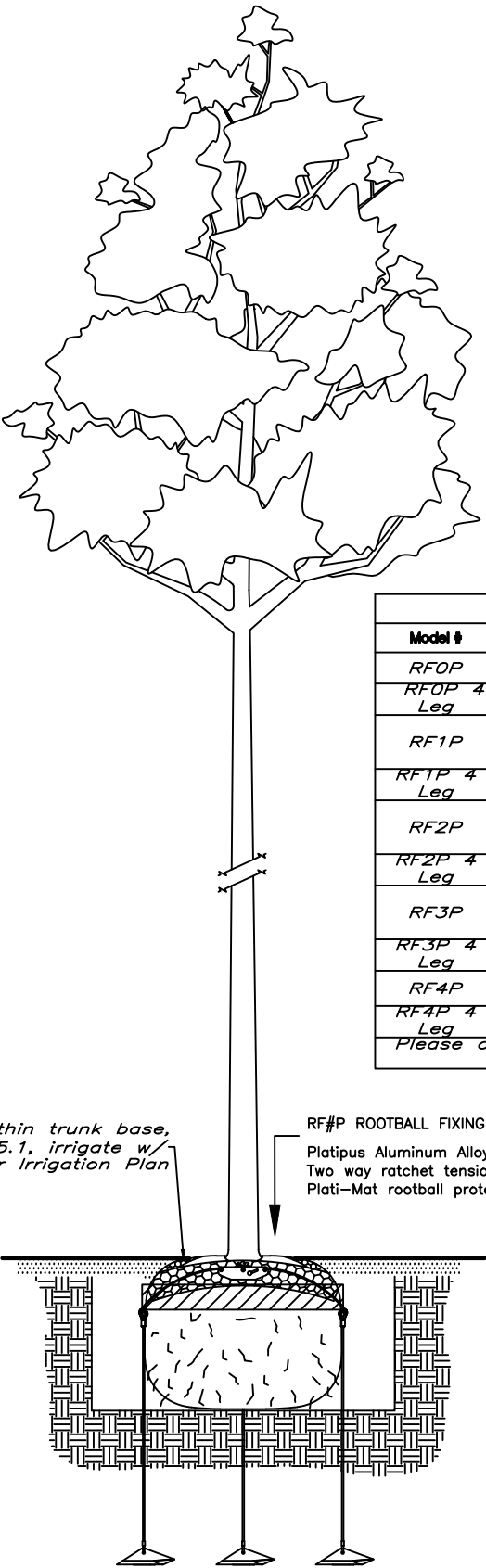


<u>SYM</u>	<u>Qty</u>	<u>Botanical Name</u>	<u>Common Name</u>	<u>Size/Notes</u>
QV	1	Quercus virginiana	Live Oak	FG, 16'-18" ht. x 8'-10" sprd., 8' min. c.t., 4"-5" cal., Florida Fancy, Roots Plus
QV1	5	Quercus virginiana	Live Oak	45 gal., 10'-12" ht. x 4'-5" sprd., 2'-5" cal.
NS	26	Ilex vomitoria 'Nana'	Schillings Holly	3 gal., 16" ht x 16" sprd. @ 30" o.c.
SB	26	Spartina bakeri	Sand Cordgrass	3 gal., 24" x 26" ht x 20" sprd. @ 48" o.c.
LM	22	Liriope muscari	Liriope	1 gal. 9"-10" ht, full @ 24" o.c.
SOD	--	Paspalum notatum	Bahia Sod	95% weed free
MLCH	--	Pine Bark 'Mini Nuggets'	Pine Bark 'Mini Nuggets'	Cu Yds

- NOTES**
1. DO NOT SCALE FROM THIS DRAWING
 2. THIS DRAWING IS CONSTRUCTED USING LAYERS WHICH CAN BE TURNED ON OR OFF AS REQUIRED
 3. DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING



RF#P 3 Leg



Model List		
Model #	Height - h (in)	Culpler - h (mm)
RF0P	Up to 8"	Up to 1.5"
RF0P 4 LEG	Up to 12"	
RF1P	8" - 15" (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 LEG	12" - 24" Box	
RF2P	13" - 25" (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 LEG	24" - 48" Box	
RF3P	25" - 48" (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 LEG	48" - 60" Box	
RF4P	40" + (12m+)	9.5" + (230mm+)
RF4P 4 LEG	60" - 120"	
Please contact market manager representative for boxes over 120"		

*Flexi-pave up to 2" within trunk base, refer to detail sheet C5.1, irrigate w/ bubblers per Irrigation Plan

RF/P ROOTBALL FIXING SYSTEM - PLATI-MAT

Aluminum Alloy Anchors
ratchet tensioner galvanized wire
rootball protection mesh

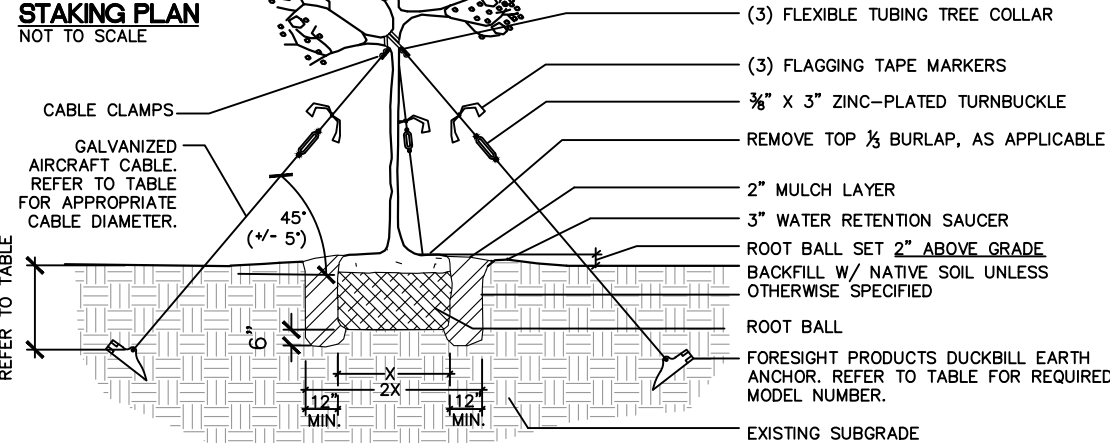
*NOTE ADDED TO MANUFACTURER'S DETAIL

ROOTBALL FIXING SYSTEM W/ PLATI-MAT

NOT TO SCALE



STAKING PLAN
NOT TO SCALE



NOTE:
THE DUCKBILL ANCHORING SYSTEM IS DESIGNED
TO BE USED WITH MANUFACTURER-SUPPLIED
COMPONENTS. INSTALL ANCHORS AS PER
MANUFACTURERS SPECIFICATIONS.

DUCKBILL EARTH ANCHOR TABLE

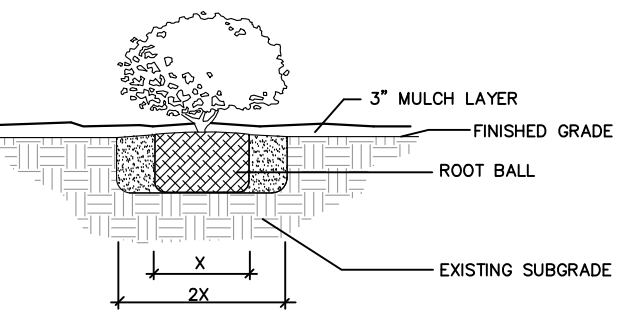
<u>TREE CALIPER</u>	<u>MODEL NUMBER</u>	<u>RATED CAPACITY</u>	<u>MINIMUM DEPTH OF INSTALLATION</u>
UP TO 3"	40-DTS	300 LBS. EA.	20"
UP TO 6"	68-DTS	1,100 LBS. EA.	30"
UP TO 11"	88-DTS	3,000 LBS. EA.	42"
NOT RATED	138-DTS	5,000 LBS. EA.	60"

NOTE: RATED FOR WINDS UP TO 50 MPH

TYPICAL TREE PLANTING AT GRADE

NOT TO SCALE

- NOTES:**
1. SPACING VARIES SEE PLAN/SCHEDULE
 2. PLANT SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE IN THE CONTAINER
 3. PLANTING HOLE SHALL HAVE VERTICAL SIDES.



SHRUB/GROUND COVER PLANTING DETAIL

NOT TO SCALE

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