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Please Email ALL Questions:
[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

SECTIONS 24, TOWNSHIP 29 SOUTH, RANGE 18 EAST WEST RIVER TRAIL, PH. 2 UT

HILLSBOROUGH COUNTY, FLORIDA

PROPERTY LOCATION: 401 W. KENNEDY BLVD
TAMPA, FL 33606

PROPERTY PIN: A-24-29-18-42U-000001-00003.0

FEMA FLOOD PANEL: 12057C0354H

PROJECT AREA: ±0.53 ACRES

PROPERTY ZONING: OP-1

PROPOSED LAND USE: PEDESTRIAN TRAIL

FLOOD ZONE: THE PARCEL SHOWN HEREON APPEARS TO FALL WITHIN FLOOD ZONE "X" & "AE", AS SHOWN ON THE FLOOD INSURANCE RATE MAP 12057C, COMMUNITY PANEL NUMBER 0354 H, MAP REVISED 9-28-08.



VICINITY MAP



SHEET INDEX

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C2.0	HORIZONTAL CONTROL PLAN
C3.0	PAVING, GRADING & DRAINAGE
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C5.1	DETAILS

UTILITY PROVIDERS:

WATER
TAMPA WATER DEPARTMENT
JANICE DAVIS
306 E. JACKSON ST
TAMPA, FL 33602
813-274-7096

TELEPHONE
VERIZON FLORIDA, INC.
DAVID WYNNS
7701 E. TELECOM PKWY
TEMPLE TERRACE, FL 33637
813-978-2164

GAS
TECO PEOPLES GAS - TAMPA
LUIS CASTELLANO
1400 CHANNELSIDE DR
TAMPA, FL 33602
813-275-3743

CABLE
BRIGHOUSE NETWORKS
RANDY LYLE
4145 S. FALKENBURG RD
RIVERVIEW, FL
813-684-6700 EXT.32143

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

SEWER
TAMPA WATER DEPARTMENT
JACK FERRAS
306 E. JACKSON ST
TAMPA, FL 33602
813-274-8095

PROJECT TEAM

Surveying
MILLS & ASSOCIATES, INC.

3242 HENDERSON BLVD., SUITE 300
TAMPA, FL 33609
(813) 876-5869

CONTACT: LAWRENCE E. MILLS, PLS

Owner
CITY OF TAMPA

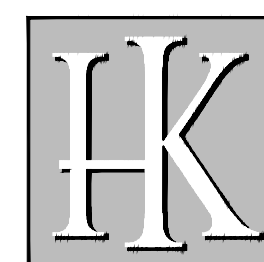
3402 W. COLUMBUS DRIVE
TAMPA, FL 33607
(813) 274-8615

CONTACT: KARLA PRICE

Civil Engineering & Landscape Architecture
HARDEMAN-KEMPTON & ASSOCIATES, INC.

2207 W. North A St.
Tampa, FL 33606
(813) 258-0066

Contact: VICTOR M. HUGGINS, P.E.

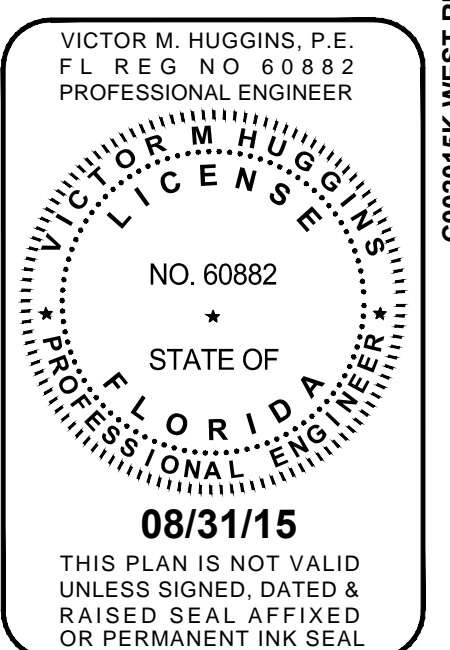


HARDEMAN-KEMPTON & ASSOCIATES, INC.
Landscape Architects & Civil Engineers

2207 W. North A Street Tampa, Florida 33606
Ph: 813-258-0066 • www.hka-design.com
CA 42075

PERMIT TYPE	PERMIT NO.	STATUS
SWFWMD (EXEMPT)	711480	APPROVED
CITY OF TAMPA	BLD-15-0439062	IN REVIEW

08-31-15 CLIENT COMMENTS
07-10-15 CITY OF TAMPA RESUBMITTAL
05-26-15 CITY OF TAMPA BID SET
05-01-15 CITY OF TAMPA SUBMITTAL
04-16-15 SWFWMD SUBMITTAL



C002016K WEST RIVER TRAIL, UNIVERSITY OF TAMPA



LEGAL DESCRIPTION

BLAKE TRAIL - U.T. PARCEL 1

COMMENCE AT THE SOUTHEAST CORNER OF BLOCK 12 OF HAYDENS SUBDIVISION, AS RECORDED IN PLAT BOOK 1, PAGE 44, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA; THENCE, N66°53'31"E., (ASSUMED), 506.09 FEET ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF WEST KENNEDY BOULEVARD AND EXTENSION THEREOF; THENCE LEAVE SAID NORTHERLY RIGHT-OF-WAY LINE, USUALLY RECORDED AS 326.09 FEET; THENCE S44°06'16"E., 326.09 FEET; THENCE N44°44'39"E., 228.04 FEET TO THE POINT OF BEGINNING OF EASEMENT HEREIN DESCRIBED; THENCE FROM SAID POINT OF BEGINNING N°48°36'47"W., 46.45 FEET TO THE BEGINNING OF A CURVE SAID CURVE HAVING A RADIUS OF 81.00 FEET, DELTA ANGLE OF 47°34'57", CHORD BEARING AND DISTANCE OF N24°49'18"W., 65.35 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE RIGHT 67.27 FEET TO THE POINT OF A REVERSE CURVE, SAID REVERSE CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 65.00 FEET, DELTA ANGLE OF 45°17'01", CHORD BEARING AND DISTANCE OF N23°40'21"W., 50.05 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE LEFT, 51.37 FEET TO A POINT OF TANGENCY; THENCE N46°18'51"W., 55.50 FEET; THENCE N49°25'15"W., 178.49 FEET; THENCE N50°30'09"W., 122.17 FEET; THENCE N51°36'36"W., 123.36 FEET; THENCE N50°54'20"W., 169.96 FEET; THENCE N48°57'51"W., 100.73 FEET; THENCE N52°04'55"W., 169.52 FEET; THENCE N30°57'23"W., 16.51 FEET TO A POINT ON THE SOUTHERLY BOUNDARY LINE OF THAT PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 4506, PAGE 1681, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA; THENCE S89°55'23"E., ALONG SAID SOUTHERLY BOUNDARY, 32.67 FEET TO A 1ST (FIRST) POINT ON THE EXTENSION NORTH OF AN EXISTING BACK OF SEAWALL BULKHEAD; THENCE FROM SAID 1ST (FIRST) POINT SOUTHEASTERLY ALONG SAID EXISTING BACK OF SEAWALL BULKHEAD AND EXTENSION THEREOF, 923.18 FEET TO A 2ND (SECOND) POINT ON THE BACK OF EXISTING SEAWALL BULKHEAD LINE, SAID 2ND (SECOND) POINT LIES S49°37'32"E., 922.41 FEET FROM SAID 1ST (FIRST) POINT; THENCE FROM SAID 2ND (SECOND) POINT LYING ON THE BACK OF EXISTING SEAWALL BULKHEAD LINE AND ALSO BEING THE POINT OF A NON-TANGENT CURVE, SAID CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 81.00 FEET, DELTA ANGLE OF 38°30'15", CHORD BEARING AND DISTANCE OF S 20°16'58"E., 53.41 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE RIGHT, 54.43 FEET TO A POINT OF REVERSE CURVE, SAID REVERSE CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 65.00 FEET, DELTA ANGLE OF 47°34'57", CHORD BEARING AND DISTANCE OF S24°49'18"E., 52.44 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE LEFT, 53.98 FEET TO A POINT OF TANGENCY; THENCE S48°36'47"E., 47.39 FEET; THENCE S 44°44'39"W., 16.03 FEET TO THE POINT OF BEGINNING

EASEMENT AREA CONTAINS 0.4192 ACRES MORE OR LESS.

BLAKE TRAIL - U.T. PARCEL 2

COMMENCE AT THE SOUTHEAST CORNER OF BLOCK 12 OF HAYDENS SUBDIVISION, AS RECORDED IN PLAT BOOK 1, PAGE 44, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA; THENCE, N66°53'31"E., (ASSUMED), 506.09 FEET ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF WEST KENNEDY BOULEVARD AND EXTENSION THEREOF; THENCE LEAVE SAID NORTHERLY RIGHT-OF-WAY LINE, USUALLY RECORDED AS 326.09 FEET; THENCE S44°06'16"E., 326.09 FEET; THENCE N44°44'39"E., 228.04 FEET TO THE BEGINNING OF A CURVE SAID CURVE HAVING A RADIUS OF 61.00 FEET, DELTA ANGLE OF 47°34'57", CHORD BEARING AND DISTANCE OF N24°49'18"W., 65.35 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE RIGHT 67.27 FEET TO THE POINT OF A REVERSE CURVE, SAID REVERSE CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 65.00 FEET, DELTA ANGLE OF 45°17'01", CHORD BEARING AND DISTANCE OF N23°40'21"W., 50.05 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE LEFT, 51.37 FEET TO A POINT OF TANGENCY; THENCE N46°18'51"W., 55.50 FEET; THENCE N49°25'15"W., 178.49 FEET; THENCE N50°30'09"W., 122.17 FEET; THENCE N51°36'36"W., 123.36 FEET; THENCE N50°54'20"W., 169.96 FEET; THENCE N48°57'51"W., 100.73 FEET; THENCE N52°04'55"W., 169.52 FEET; THENCE N30°57'23"W., 16.51 FEET TO A POINT ON THE SOUTHERLY BOUNDARY LINE OF THAT PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 4506, PAGE 1681, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA AND POINT OF BEGINNING OF EASEMENT HEREIN DESCRIBED; THENCE FROM SAID POINT OF BEGINNING, N30°57'23"W., 137.76 FEET; THENCE N27°05'06"W., 26.77 FEET; THENCE N84°41'50"W., 72.60 FEET; THENCE N84°19'38"W., 24.06 FEET; THENCE N85°24'57"W., 300.84 FEET; THENCE S89°51'28"W., 44.06 FEET; THENCE S37°14'38"W., 30.77 FEET; THENCE S00°00'00"E., 5.30 FEET; THENCE N90°00'00"W., 11.92 FEET TO THE POINT OF A NON-TANGENT CURVE, SAID CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 81.66 FEET, DELTA ANGLE OF 16°32'46" AND CHORD BEARING AND DISTANCE OF N35°53'03"W., 23.50 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE RIGHT, 23.58 FEET TO ITS END; THENCE N02°50'34"E., 22.94 FEET TO THE SOUTH RIGHT-OF-WAY LINE OF AN EXISTING CSX RAILROAD RIGHT-OF-WAY, SAID RIGHT-OF-WAY LINE LYING 18.50 FEET SOUTH OF EXISTING CENTERLINE OF MAIN TRACK; THENCE S67°09'26"E., ALONG SAID SOUTH RIGHT-OF-WAY LINE, 6.31 FEET; THENCE LEAVE SAID SOUTH RIGHT-OF-WAY LINE, S02°50'34"W., 15.09 FEET TO THE POINT OF A NON-TANGENT CURVE, SAID CURVE HAVING FOR ITS ELEMENTS A RADIUS OF 25.00 FEET, DELTA ANGLE OF 51°47'15", CHORD BEARING AND DISTANCE OF S28°59'24"E., 21.64 FEET; THENCE ALONG THE ARC OF SAID CURVE TO THE LEFT, 22.60 FEET TO ITS END; THENCE N90°60'00"W"E., 3.78 FEET; THENCE N37°14'38"E., 37.86 FEET; THENCE S88°59'44"E., 146.11 FEET; THENCE S64°19'36"E., 23.95 FEET; THENCE S84°41'50"E., 78.99 FEET; THENCE S27°05'06"E., 33.17 FEET; THENCE S36°08'12"E., 66.11 FEET; THENCE S41°02'33"E., 70.39 FEET; THENCE N69°55'23"W., 32.67 FEET TO THE POINT OF BEGINNING.

EASEMENT AREA CONTAINS 0.1102 ACRES MORE OR LESS.

SIDEWALK NOTES

1. SIDEWALK TO BE PER FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2015 EDITION.
2. ANY PEDESTRIAN RAMPS, CONSTRUCTED IN NEW SIDEWALK OR EXISTING SIDEWALK AREAS, SHALL COMPLY WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 304.
3. STANDARD SIDEWALK CONSTRUCTION SHALL BE A MINIMUM 5 (FEET) WIDE AND 6" THICK, 3,000 PSI CONCRETE, EXCEPT FOR DRIVEWAYS AND CURB RAMPS WHERE IT SHALL BE 6" THICK, 3,000 PSI CONCRETE, NO REINFORCEMENT.
4. CROSS SLOPE OF 2% MAXIMUM. INSPECTION IS REQUIRED BEFORE AND AFTER POURING.

PAVING, GRADING AND DRAINAGE NOTES

1. 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.
2. ALL CURB CUT RAMPS TO BE CONSTRUCTED PER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS (FOOT INDEX 304) AND BE ADA COMPLIANT INCLUDING USE OF TRUNCATED DOME TACTILE SURFACE.
3. TERMINATION OF BOTH FDOT TYPE "F" AND 6" VERTICAL CURB SHALL INCLUDE A 3' TRANSITION TO FLUSH UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
4. EXTRA MATERIAL IS REQUIRED PER FOOT INDEX 205 (SHEET 1 OF 5) AROUND STORM PIPE MEETING COVER CRITERIA OF SAID INDEX.
5. JOINTS OF STORM SEWER SHALL BE STAGGERED FOR CROSSINGS OF THE SANITARY SEWER WITH LESS THAN 18 INCHES OF VERTICAL CLEARANCE SO THAT THE PIPE BELL IS NOT LOCATED AT THE CROSSING.
6. 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.
7. ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY PROVISIONS OF LAND DEVELOPMENT CODE SHALL BE PRUNED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI A300) PRUNING STANDARDS SUBSEQUENT TO COORDINATION WITH CITY OF TAMPA.
8. THE STAKED EROSION CONTROL SHALL BE INSTALLED PRIOR TO EARTHWORK OPERATIONS COMMENCING AND IS TO BE MAINTAINED THROUGH PROJECT COMPLETION.
9. 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.
10. 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. IF DEWATERING IS TO OCCUR NEAR TREES TO REMAIN, IT WILL BE DONE UNDER THE SUPERVISION OF AN ARBORIST AND A WATERING SCHEDULE SHALL BY CONTRACTOR.
11. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
12. ALL STORM STRUCTURES SHALL BE GROUTED TO THE INVERT ELEVATION(S) OF THE STORM PIPE(S). STORM PIPE SHALL BE SAW-CUT EVEN WITH THE STRUCTURE WALL(S). GROUT AROUND PIPES FOR WATER TIGHT AND SMOOTH FINISH.

GENERAL NOTES

1. ELEVATIONS SHOWN HEREON PER NGVD '29. FOR CONVERSION NGVD '29 TO NAVD '88 DATUM: -0.86'.
2. 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.
3. 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.
4. 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.
5. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
6. 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)
7. ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL AND TELEPHONE CROSSINGS SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
8. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF TAMPA STANDARDS AND SPECIFICATIONS OR ALTERNATE TECHNICAL SPECIFICATIONS PROVIDED BY ENGINEER.
9. 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.
10. CONFLICTS BETWEEN WATER LINES, SANITARY AND STORM SEWER TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY.
11. THE PARCEL SHOWN HEREON APPEARS TO FALL WITHIN FLOOD ZONE 'X' & 'AE', AS SHOWN ON THE FLOOD INSURANCE RATE MAP 12057C, COMMUNITY PANEL NUMBER 0354 H, MAP REVISED 9-28-08.
12. RELOCATION AND REPLACEMENT OF EXISTING UTILITIES AFFECTED BY PROPOSED CONSTRUCTION TO BE COORDINATED BY SITE CONTRACTOR.
13. ALL RADII ARE 5' UNLESS OTHERWISE INDICATED.
14. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND IMPLEMENTING MAINTENANCE OF TRAFFIC PLANS AS REQUIRED.
15. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR ANY WORK WITHIN THE RIGHT-OF-WAY AND IS RESPONSIBLE FOR REPAIR AND REPLACEMENT OF INFRASTRUCTURE/FACILITIES WITHIN RIGHT-OF-WAY THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITY.
16. ANY ON-SITE WELLS NOT PROPOSED TO REMAIN ARE TO BE SEALED BY A LICENSED WELL CONTRACTOR.
17. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) FOR DESIGN AND INSTALLATION.
18. 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.
19. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE SUB-BASE, BASE AND SURFACE ARE CONSTRUCTED.
20. SIDEWALKS TO BE INSTALLED BY THE CONTRACTOR AS PART OF CONSTRUCTION ACTIVITIES TO INCLUDE ACCESSIBLE CURB RAMP AT CROSSWALKS IN ACCORDANCE WITH FDOT INDEX 304.
21. STAKED SILT FENCE WILL BE INSTALLED PRIOR TO EARTHWORK OPERATIONS COMMENCING AND IS TO BE MAINTAINED THROUGH PROJECT COMPLETION.
22. ALL SWALES SHALL BE SODDED AS SHOWN ON THE SECTIONS.
23. STORM SEWER PIPE LINES WILL NOT BE INSTALLED PRIOR TO PLACEMENT AND ALIGNMENT OF INLET STRUCTURES.

EROSION AND SEDIMENTATION CONTROL NOTES

1. 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 ECONOMICALLY EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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 EFFICENCE IMPEDES CONSTRUCTION.
16. 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.
17. SILT FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 104 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2015 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 2015 OR LATEST EDITION.
18. 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 2015 OR LATEST EDITION.
19. 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.

EX. LEGEND:

- CLF Chain Link Fence
- FCIR Found Capped Iron Rod (as noted)
- FCM Found Concrete Monument (as noted)
- FPK&D Found Parker Kalon Nail & Disk (as noted)
- ID Identification
- IE Invert Elevation
- LB Licensed Business
- MH Manhole
- (R) Record Information
- PRM Permanent Reference Marker
- RCP Reinforced Concrete Pipe
- R/W Right of Way
- TBM Temporary Bench Mark
- TOB Top of Bank
- TOE Toe of Slope
- OHW Overhead Wires
- OR Official Records
- PG Page
- UGT Underground Telephone
- UP Utility Pole

NOTE REMOVED



HARDEEMAN · KEMPTON & ASSOCIATES, INC.

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CA #26775

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PROJECT NAME: WEST RIVER TRAIL PH. 2 UT	SHEET TITLE: GENERAL NOTES
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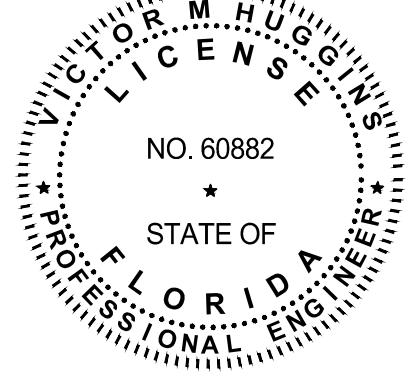
PREPARED FOR: CITY OF TAMPA	ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607
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Revisions:

NO.	DATE	DESCRIPTION
1.	05/20/15	PER POT PARKS & REC COMMENTS
2.	07/10/15	PER POT COMMENTS
3.	08/31/15	PER CLIENT COMMENTS

PROJ. NO.:	C002015K
DATE:	04-15-2015
DRAWN:	D.W.S.
DESIGNED:	V.M.H./D.W.S.
CHECKED:	V.M.H./T.K.

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



08/31/15

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


SHEET:

C1.0

SITE DESCRIPTION	
PROJECT NAME: WEST RIVER TRAIL - SOUTH LAT. = 27° 56' 48" N LONG. = 82° 27' 52.37" W	OWNER'S NAME: CITY OF TAMPA OWNER'S ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA, FL 33607
DESCRIPTION OF NATURE OF CONSTRUCTION ACTIVITY THE DEMOLITION OF EXISTING TREES AND PROPOSED CONSTRUCTION OF NEW CONCRETE SIDEWALK.	
SOIL DISTURBING ACTIVITIES INCLUDE: INSTALLING STABILIZED CONSTRUCTION ENTRANCES, CONSTRUCTION OF EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, GRADING, CONSTRUCTION OF STORM SEWER, SANITARY COLLECTION, WATER DISTRIBUTION SYSTEM INSTALLATION, ROAD AND PARKING AREA CONSTRUCTION, AND PREPARATION FOR FINAL LANDSCAPING.	
RUNOFF COEFFICIENT: THE FINAL COEFFICIENT OF RUNOFF FOR THE SITE WILL BE C=0.80	
LIMITS OF CONSTRUCTION AREA: ±9.0 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: HILLSBOROUGH RIVER	
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 OFTEN 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 TARPULIN AT ALL TIMES.	

TIMING OF CONTROL MEASURES														
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 SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.														
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS														
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 400-4 AND 400-40, TO ENSURE COMPLIANCE. THIS PLAN WAS PREPARED IN ACCORDANCE WITH SWFWMD'S BASIS OF REVIEW 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.														
MAINTENANCE INSPECTION PROCEDURES														
EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES														
THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL 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.														
NON-STORM WATER DISCHARGES														
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD: 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. 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.														
INVENTORY FOR POLLUTION PREVENTION PLAN														
THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:														
<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
CONCRETE	FERTILIZERS													
DETERGENTS	PETROLEUM BASED PRODUCTS AND FUELS													
PAINTS (ENAMEL AND LATEX)	CLEANING SOLVENTS													
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GLASS	MASONRY BLOCK													
TAR	ROOFING SHINGLES													
SAND	STONE													
SPILL PREVENTION														
MATERIAL MANAGEMENT PRACTICES														
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. GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT. 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. HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. 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. THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE: PETROLEUM PRODUCTS: 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. FERTILIZERS: 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. STORE 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. PAINTS: 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. CONCRETE TRUCKS: 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.														

SPILL CONTROL PRACTICES												
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: MANUFACTURERS' 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. 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. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE. 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. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. 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.												
NOTICE OF TERMINATION												
A NOTICE OF TERMINATION WILL BE SUBMITTED TO EPA AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.												
POLLUTION PREVENTION PLAN CERTIFICATION												
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. <u>OWNER:</u> SIGNED: _____ NAME AND TITLE: KARLA PRICE, RLA COMPANY: _____ CITY OF TAMPA ADDRESS: _____ 3402 W. COLUMBUS DRIVE TAMPA, FL 33607 DATE: _____												
POLLUTION PREVENTION PLAN CERTIFICATION												
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.												
<table border="1"> <thead> <tr> <th>SIGNATURE</th> <th>FOR</th> <th>RESPONSIBLE FOR</th> </tr> </thead> <tbody> <tr> <td>_____ NAME: _____ TITLE: _____ DATE: _____</td> <td>COMPANY: _____ ADDRESS: _____ PHONE: _____</td> <td>GENERAL CONTRACTOR</td> </tr> <tr> <td>_____ NAME: _____ TITLE: _____ DATE: _____</td> <td>COMPANY: _____ ADDRESS: _____ PHONE: _____</td> <td>TEMPORARY AND PERMANENT STABILIZATION</td> </tr> <tr> <td>_____ NAME: _____ TITLE: _____ DATE: _____</td> <td>COMPANY: _____ ADDRESS: _____ PHONE: _____</td> <td>TEMPORARY AND PERMANENT STABILIZATION</td> </tr> </tbody> </table>	SIGNATURE	FOR	RESPONSIBLE FOR	_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	GENERAL CONTRACTOR	_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	TEMPORARY AND PERMANENT STABILIZATION	_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	TEMPORARY AND PERMANENT STABILIZATION
SIGNATURE	FOR	RESPONSIBLE FOR										
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HARDEMAN · KEMPTON & ASSOCIATES, INC.

Landscape Architects
& Civil Engineers

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CA #26775

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PROJECT NAME: WEST RIVER TRAIL PH. 2 UT

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

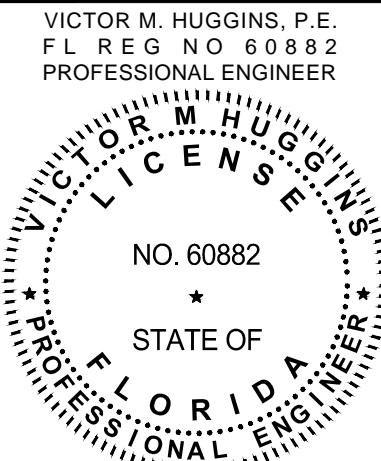
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Revisions:		
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VICTOR M. HUGGINS, P.E.
FL. REG. NO. 60882
PROFESSIONAL ENGINEER



08/31/15
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**HARDEAMAN · KEMPTON
& ASSOCIATES, INC.**

Landscape Architects
& Civil Engineers

2307 W. North A Street
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Ph: 813-258-0066
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CA #26775

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PROJECT NAME:
**WEST RIVER TRAIL
PH. 2 UT**

SHEET TITLE:
OVERALL SITE PLAN

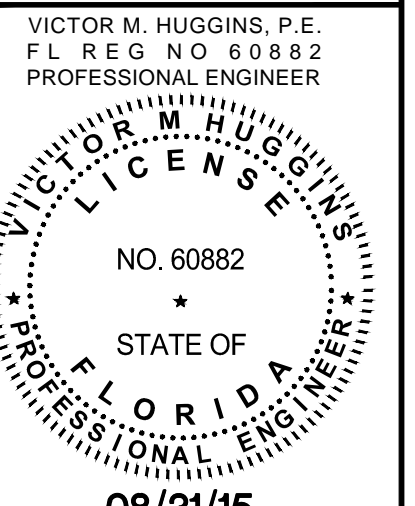
PREPARED FOR:
CITY OF TAMPA

ADDRESS:
**3402 W. COLUMBUS DRIVE
TAMPA FL 33607**

Revisions:

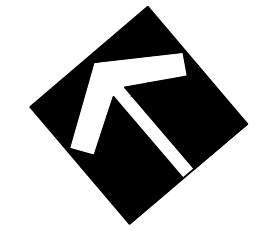
NO.	DATE	DESCRIPTION
1.	05/20/15	PER COT PARKS & REC COMMENTS
2.	07/10/15	PER COT COMMENTS
3.	08/31/15	PER CLIENT COMMENTS

PROJ. NO.: C002015K
DATE: 04-15-2015
DRAWN: D.W.S.
DESIGNED: V.M.H. / D.W.S.
CHECKED: V.M.H. / T.K.



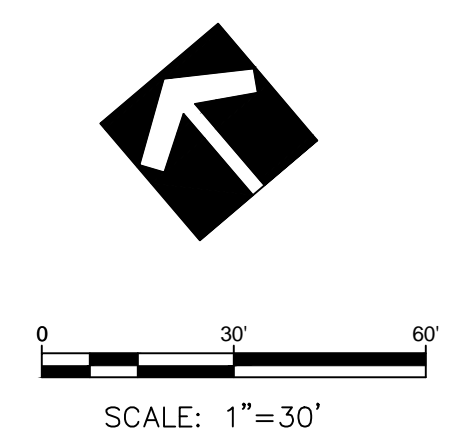
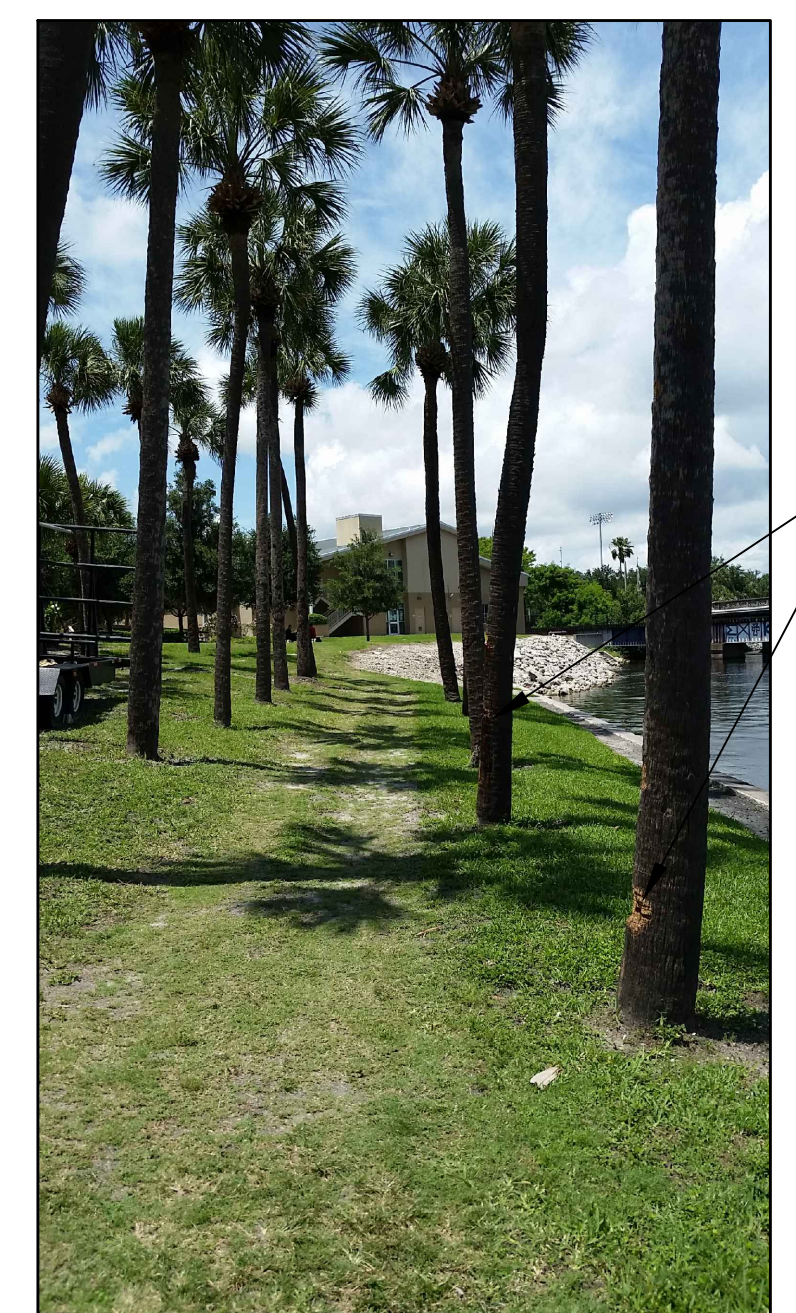
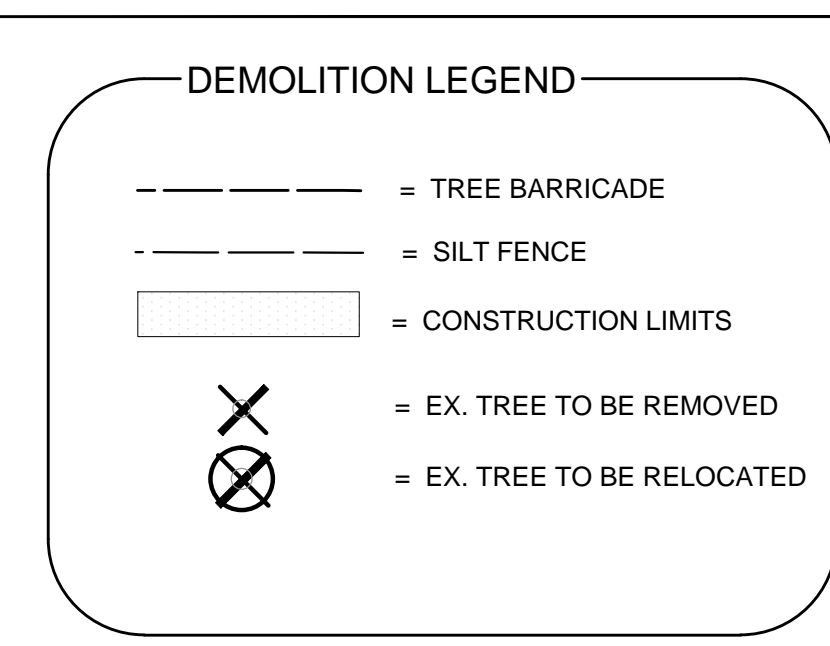
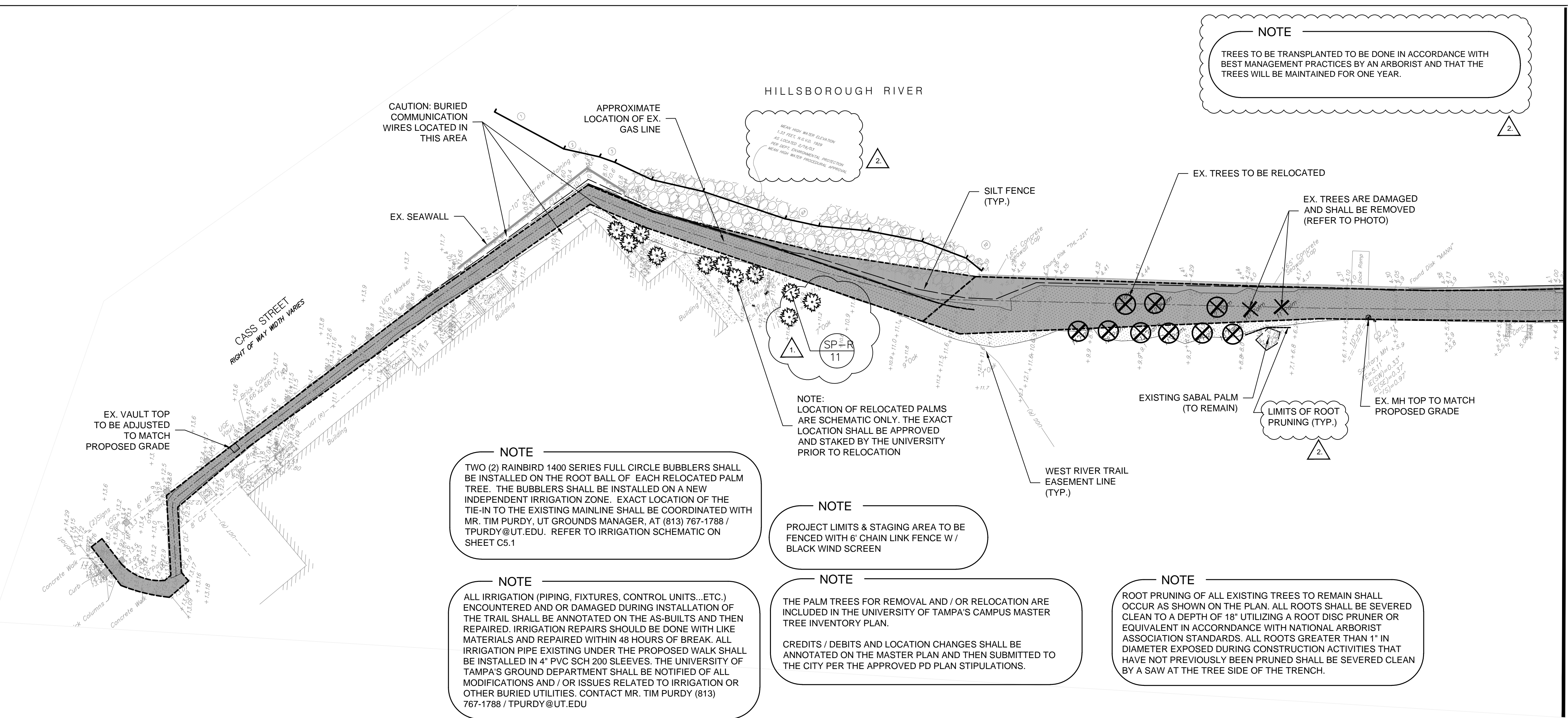
08/31/15
THIS PLAN IS NOT VALID UNLESS SIGNED, DATED & RAISED SEAL AFFIXED OR PERMANENT INK SEAL

SHEET:
C1.2



SCALE: 1"=50'

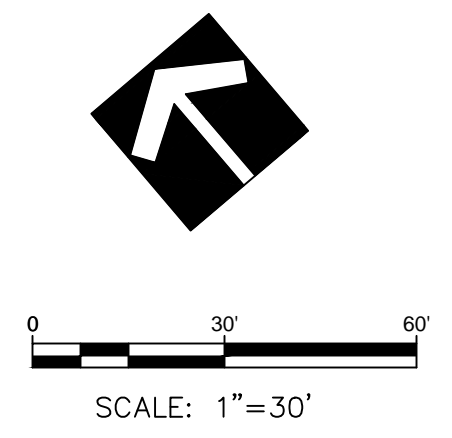
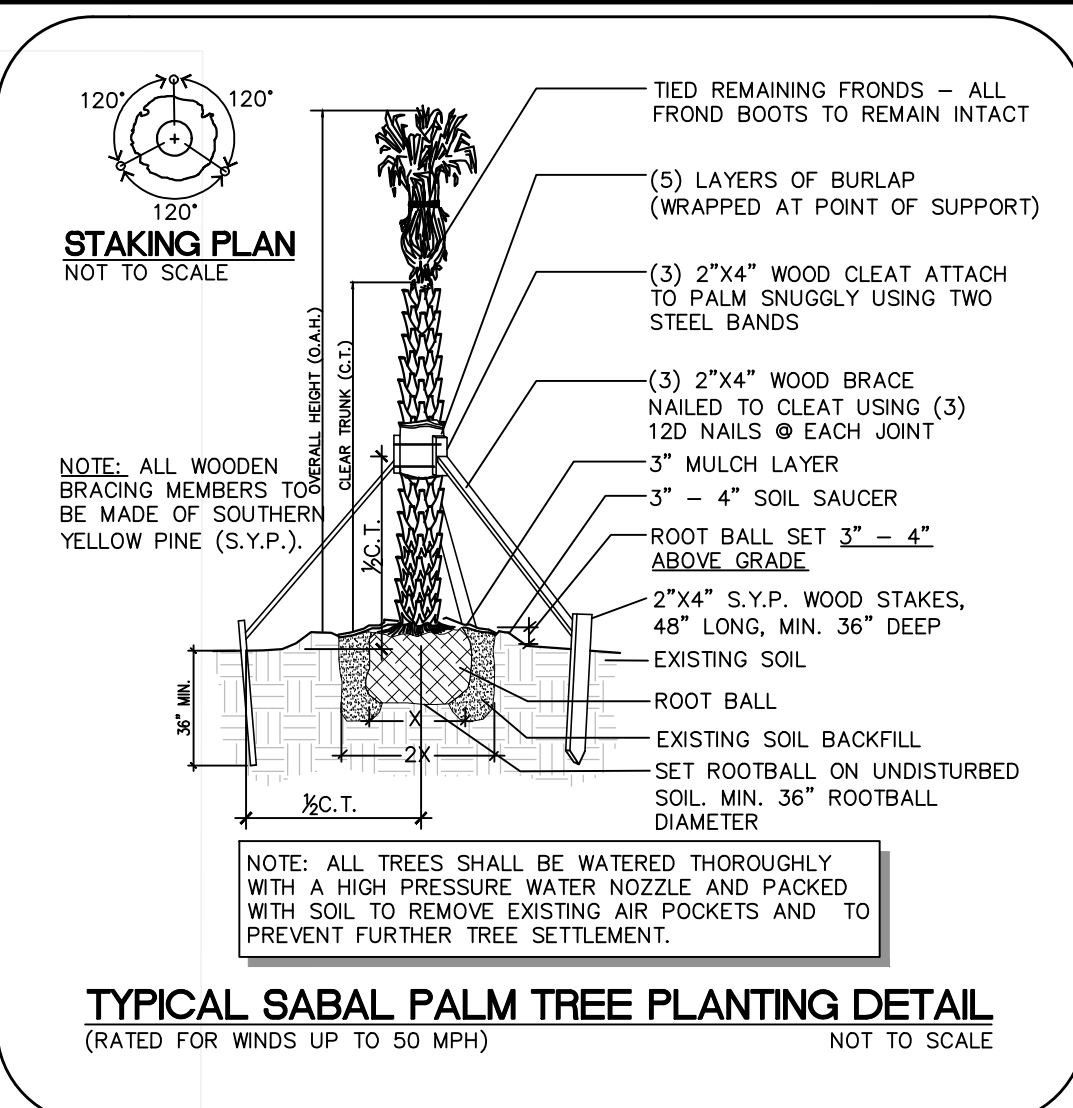
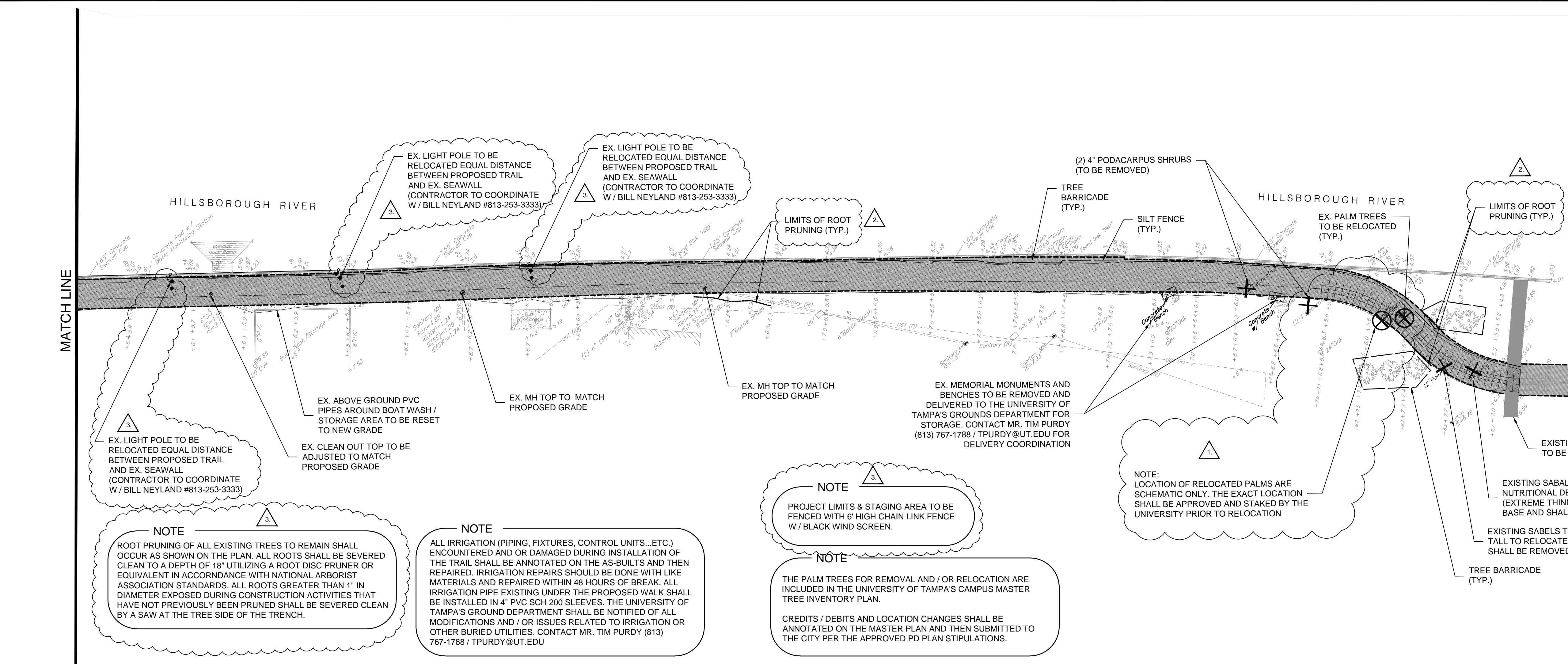




HK
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PROJECT NAME: WEST RIVER TRAIL PH. 2 UT
SHEET TITLE: DEMOLITION PLAN



PREPARED FOR: CITY OF TAMPA
ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607

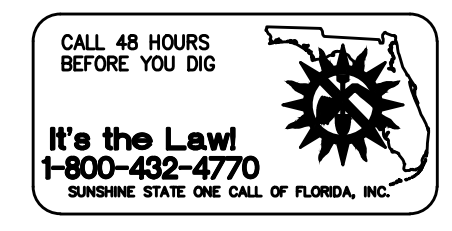
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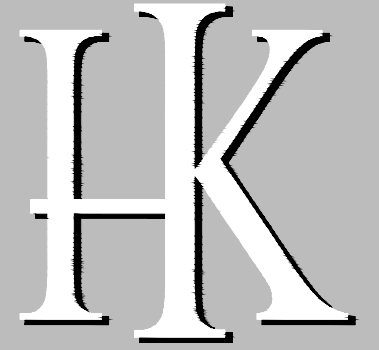
NO.	DATE	DESCRIPTION
1.	05/20/15	PER COT PARKS & REC COMMENTS
2.	07/10/15	PER COT COMMENTS
3.	08/31/15	PER CLIENT COMMENTS

PROJ. NO.: C002015K
DATE: 04-15-2015
DRAWN: D.W.S.
DESIGNED: V.M.H./D.W.S.
CHECKED: V.M.H./T.K.

VICTOR M. HUGGINS, P.E.
FL REG NO 60882
PROFESSIONAL ENGINEER
NO. 60882
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/31/15
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SHEET: C2.0





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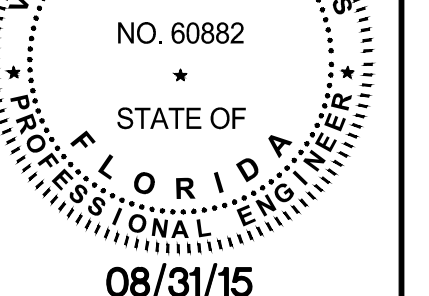
PROJECT NAME: WEST RIVER TRAIL PH. 2 UT SHEET TITLE: HORIZONTAL CONTROL PLAN

PREPARED FOR: CITY OF TAMPA ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607

Revisions table with columns: NO., DATE, DESCRIPTION. Includes entries for 05/20/15, 07/10/15, and 08/31/15.

PROJ. NO.: C002015K DATE: 04-15-2015 DRAWN: D.W.S. DESIGNED: V.M.H./D.W.S. CHECKED: V.M.H./T.K.

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

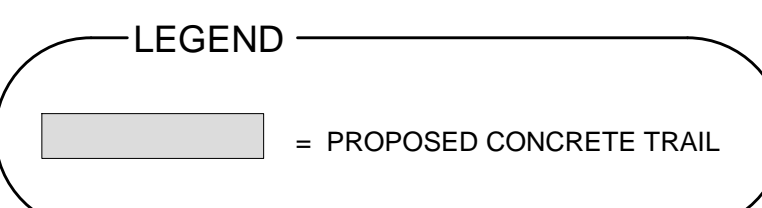
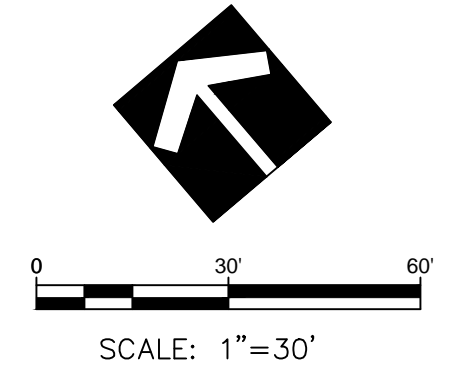
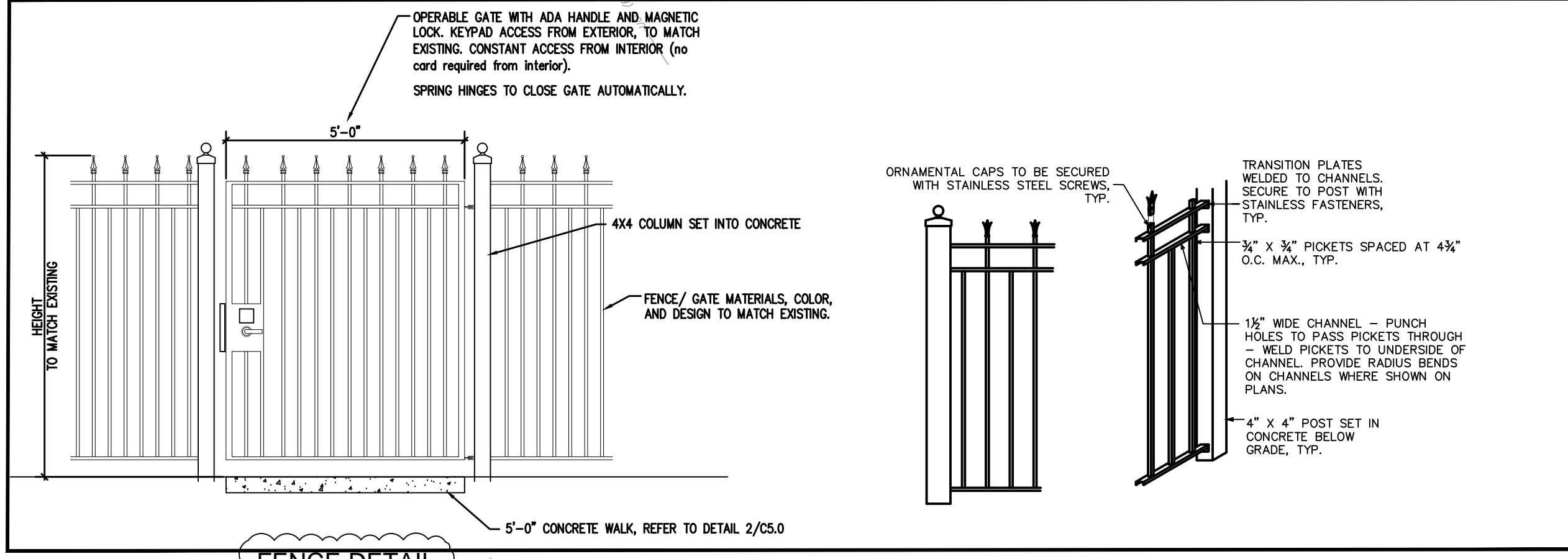
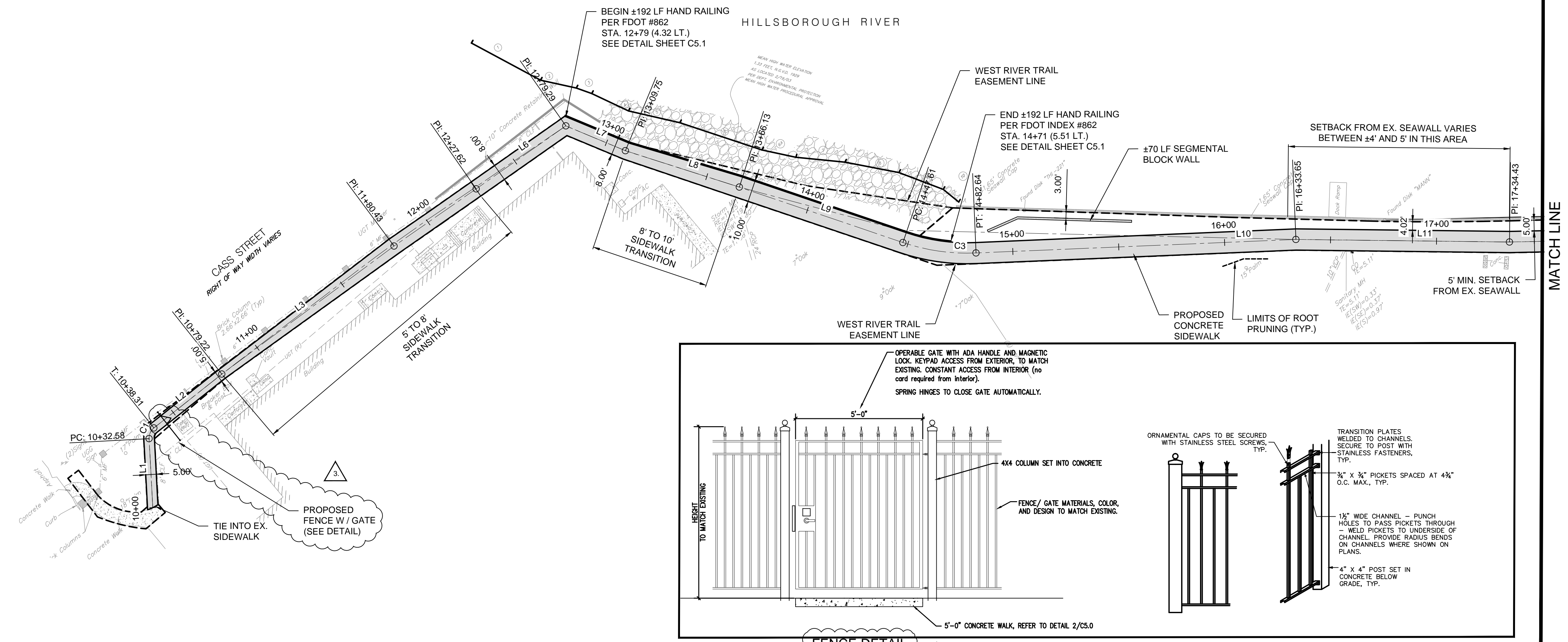


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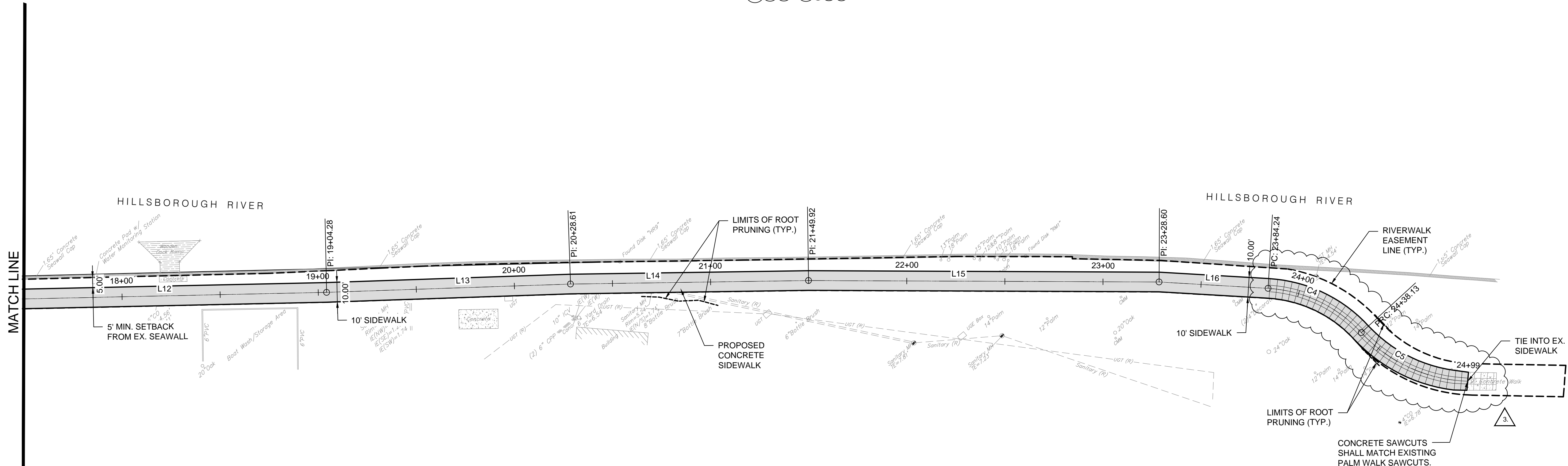
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LINE TABLE with columns: Line #, Length, Direction, Start Point, End Point. Lists lines L1 through L16.

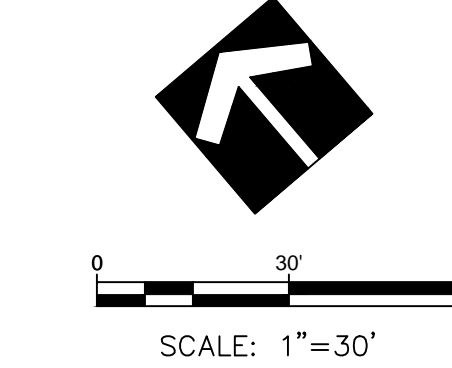
CURVE TABLE with columns: Curve #, Radius, Length, Chord Direction. Lists curves C1 through C5.

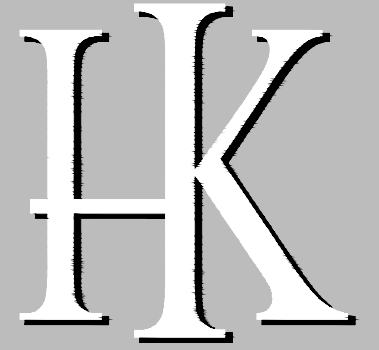


- EXISTING SYMBOLS list including AC (Air Conditioner), CLF (Chain Link Fence), CMM (Concrete Memorial Monument), etc.



NOTE: SEE DETAIL #1 & #2, SHEET C5.0 FOR SIDEWALK AND SIDEWALK JOINT DETAILS





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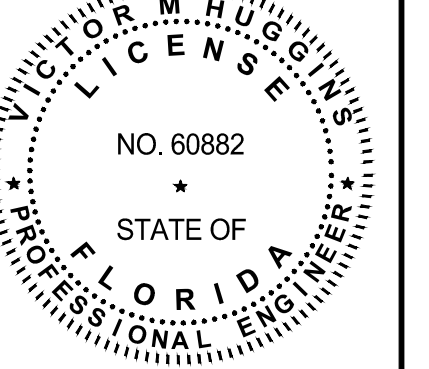
PROJECT NAME: WEST RIVER TRAIL PH. 2 UT SHEET TITLE: PAVING, GRADING & DRAINAGE

PREPARED FOR: CITY OF TAMPA ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607

Revisions table with 3 entries: 1. 05/20/15 PER COT PARKS & REC COMMENTS, 2. 07/10/15 PER COT COMMENTS, 3. 08/31/15 PER CLIENT COMMENTS

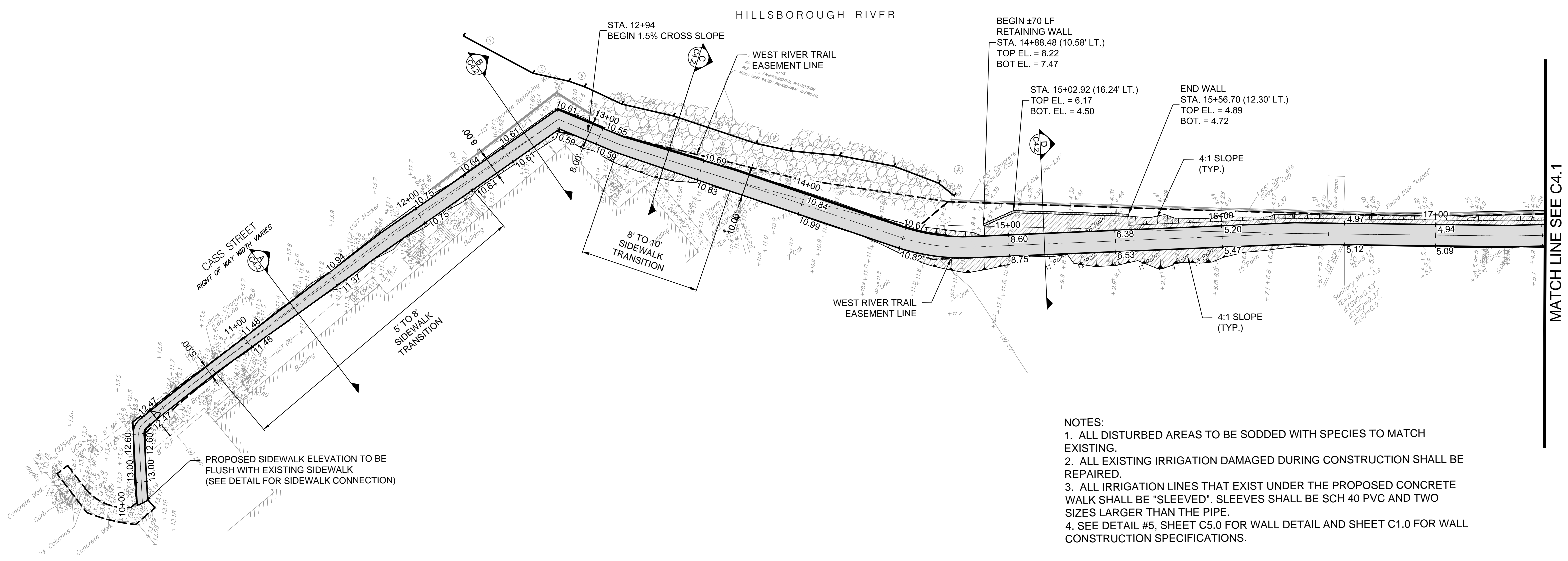
PROJ. NO.: C002015K DATE: 04-15-2015 DRAWN: D.W.S. DESIGNED: V.M.H. / D.W.S. CHECKED: V.M.H. / T.K.

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

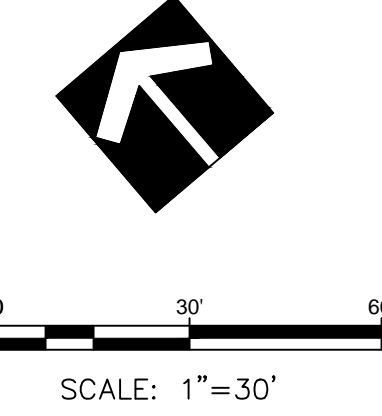


08/31/15 THIS PLAN IS NOT VALID UNLESS SIGNED, DATED & RAISED SEAL AFFIXED OR PERMANENT INK SEAL

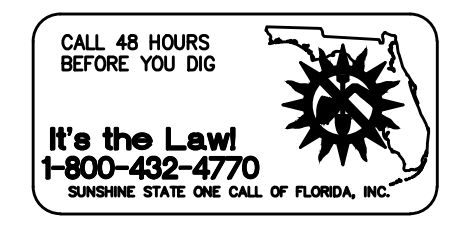
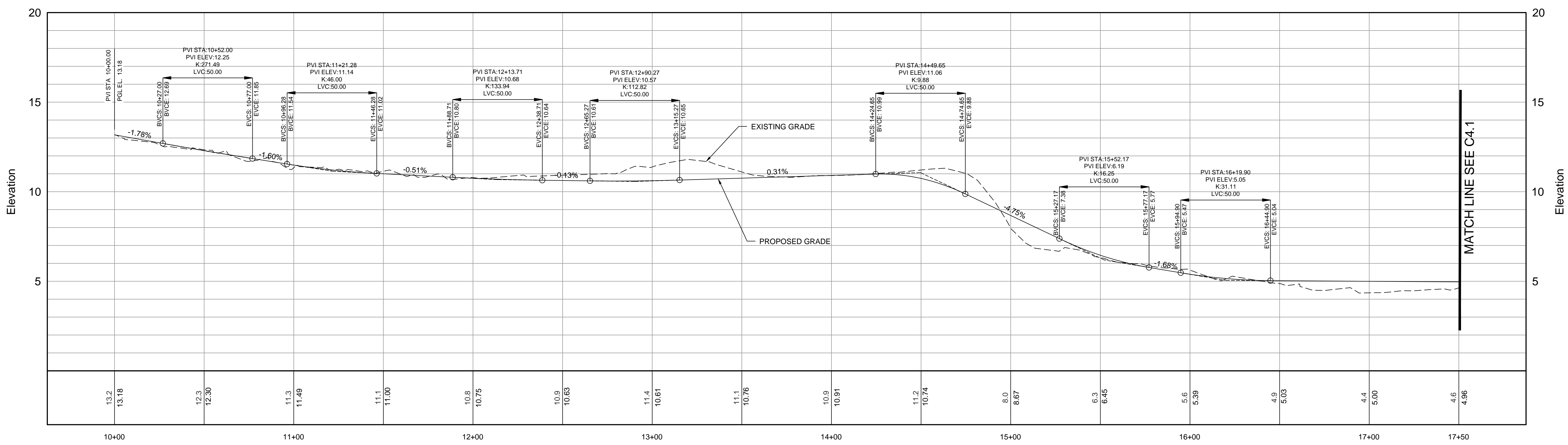
SHEET: C4.0

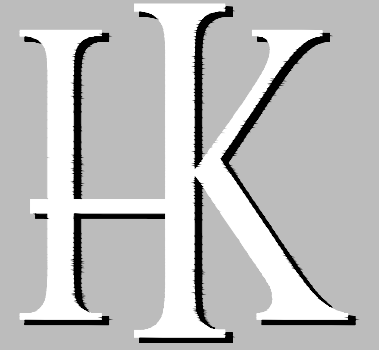


- NOTES: 1. ALL DISTURBED AREAS TO BE SODDED WITH SPECIES TO MATCH EXISTING. 2. ALL EXISTING IRRIGATION DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED. 3. ALL IRRIGATION LINES THAT EXIST UNDER THE PROPOSED CONCRETE WALK SHALL BE 'SLEEVED'. SLEEVES SHALL BE SCH 40 PVC AND TWO SIZES LARGER THAN THE PIPE. 4. SEE DETAIL #5, SHEET C5.0 FOR WALL DETAIL AND SHEET C1.0 FOR WALL CONSTRUCTION SPECIFICATIONS.



SCALE: 1"=30' HORIZ. 1"= 6' VERT.





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PROJECT NAME: WEST RIVER TRAIL PH. 2 UT
SHEET TITLE: PAVING, GRADING & DRAINAGE

PREPARED FOR: CITY OF TAMPA
ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607

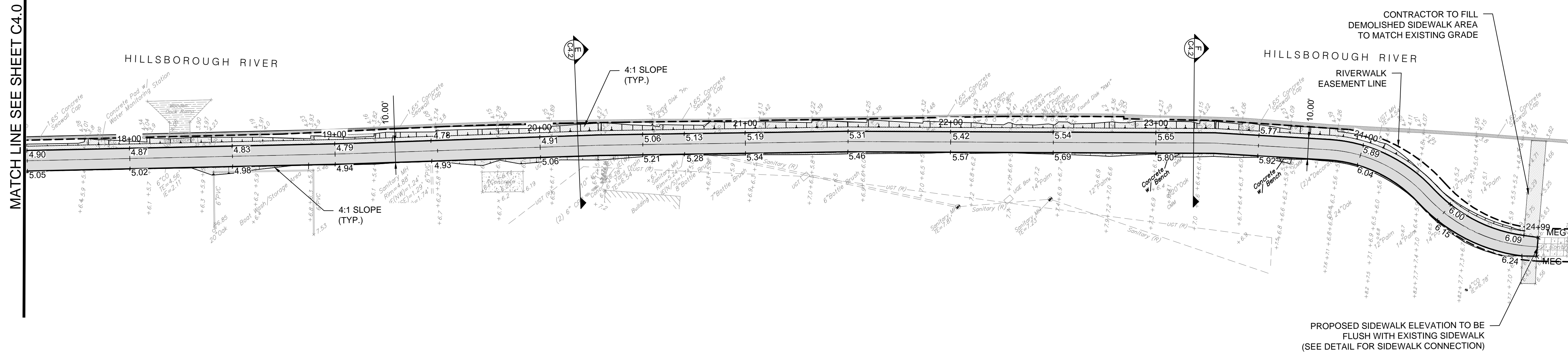
NO.	DATE	DESCRIPTION
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2.	07/10/15	PER COT COMMENTS
3.	08/31/15	PER CLIENT COMMENTS

PROJ. NO.: C002015K
DATE: 04-15-2015
DRAWN: D.W.S.
DESIGNED: V.M.H. / D.W.S.
CHECKED: V.M.H. / T.K.

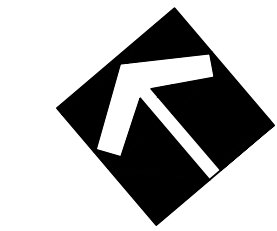
VICTOR M. HUGGINS, P.E.
FL REG NO 60882
PROFESSIONAL ENGINEER
NO. 60882
STATE OF FLORIDA
PROFESSIONAL ENGINEERS
08/31/15
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SHEET:
C4.1

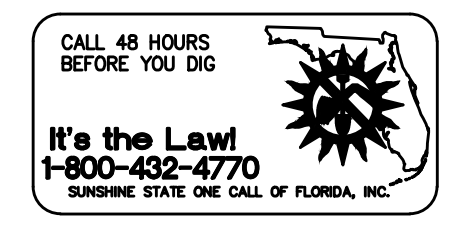
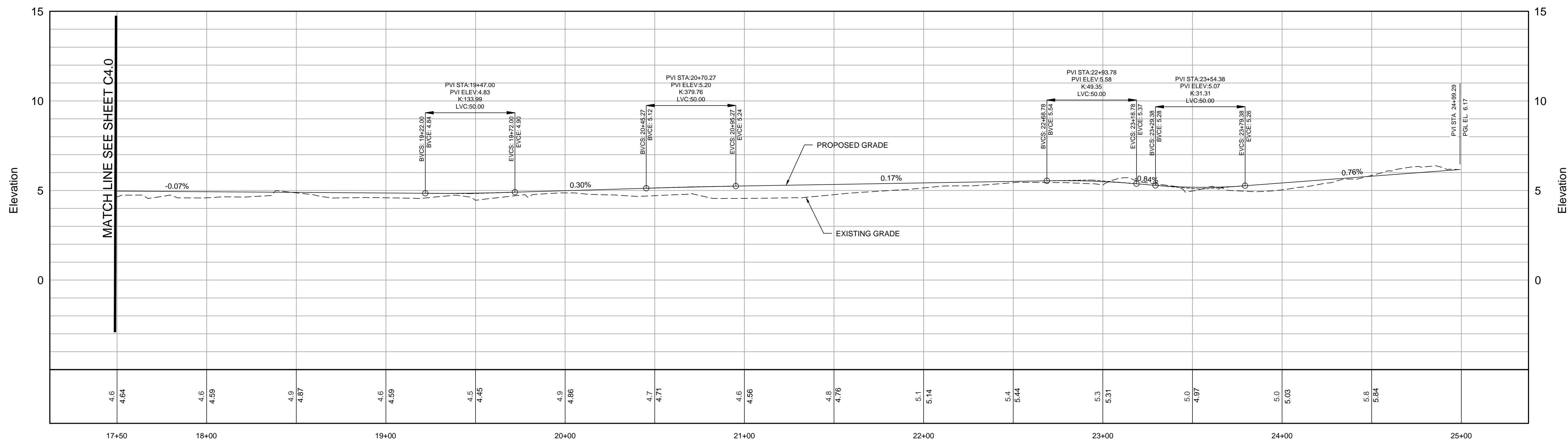
MATCH LINE SEE SHEET C4.0



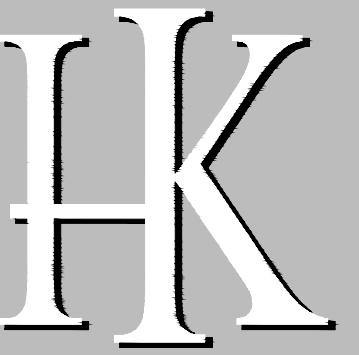
NOTE:
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SCALE: 1" = 30' HORIZ.
1" = 6' VERT.



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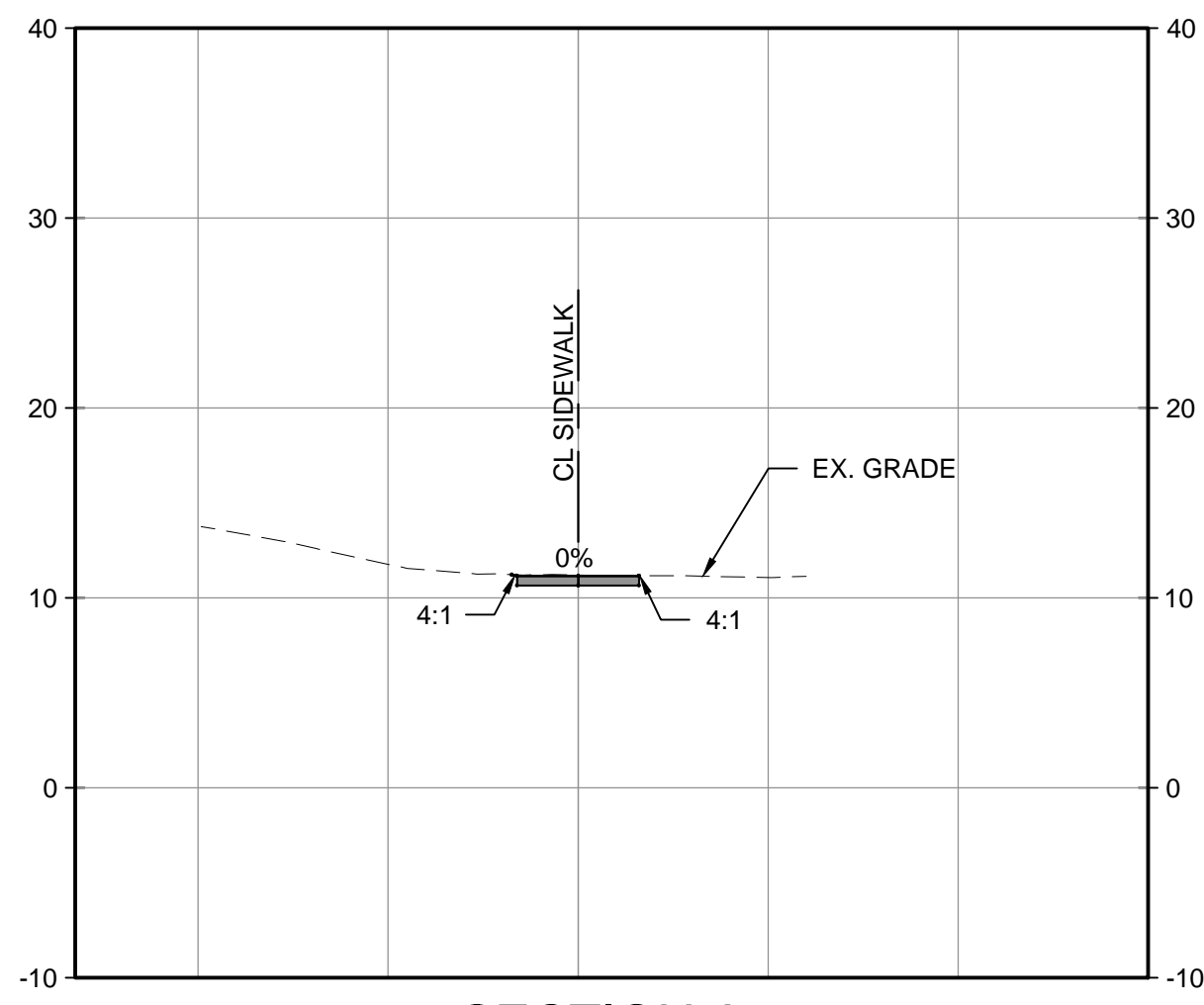
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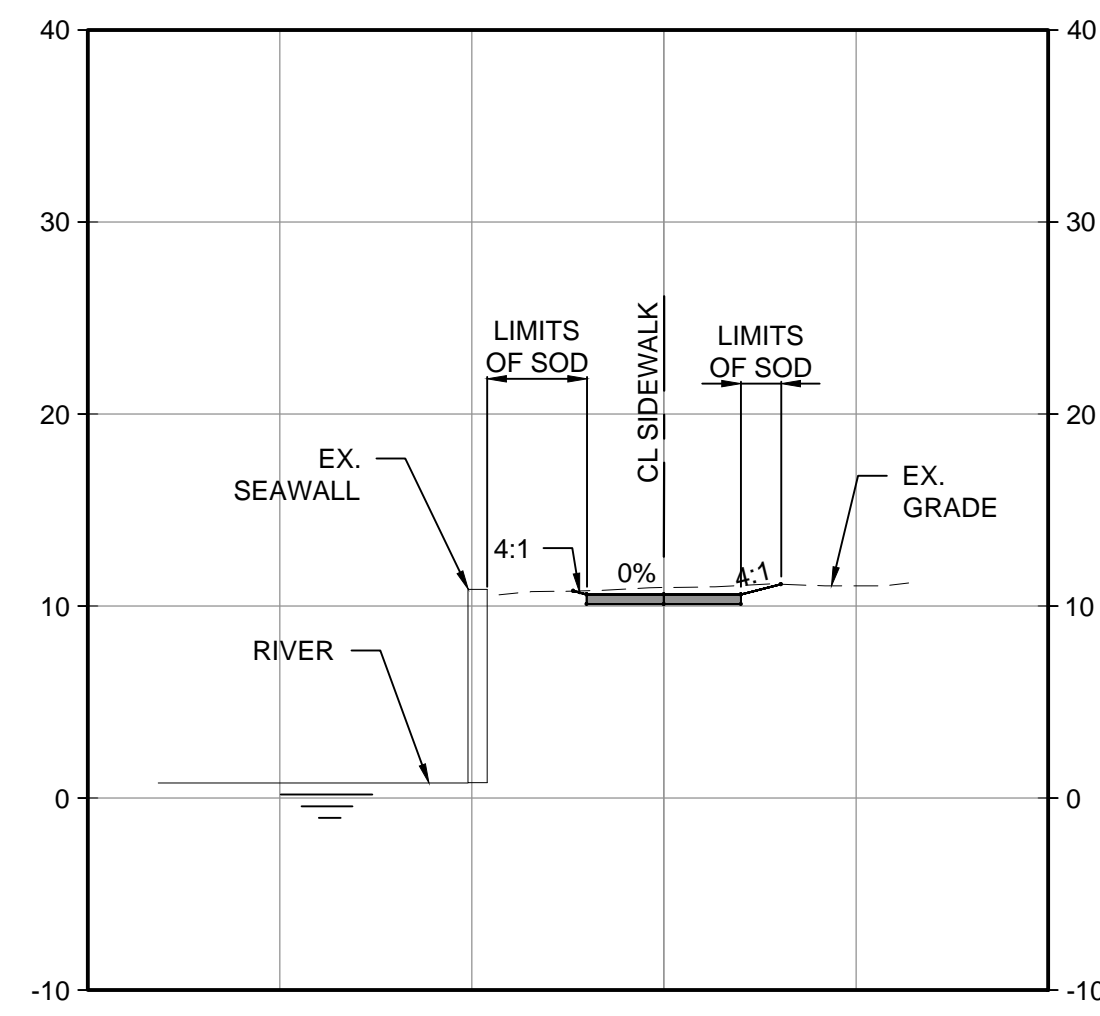
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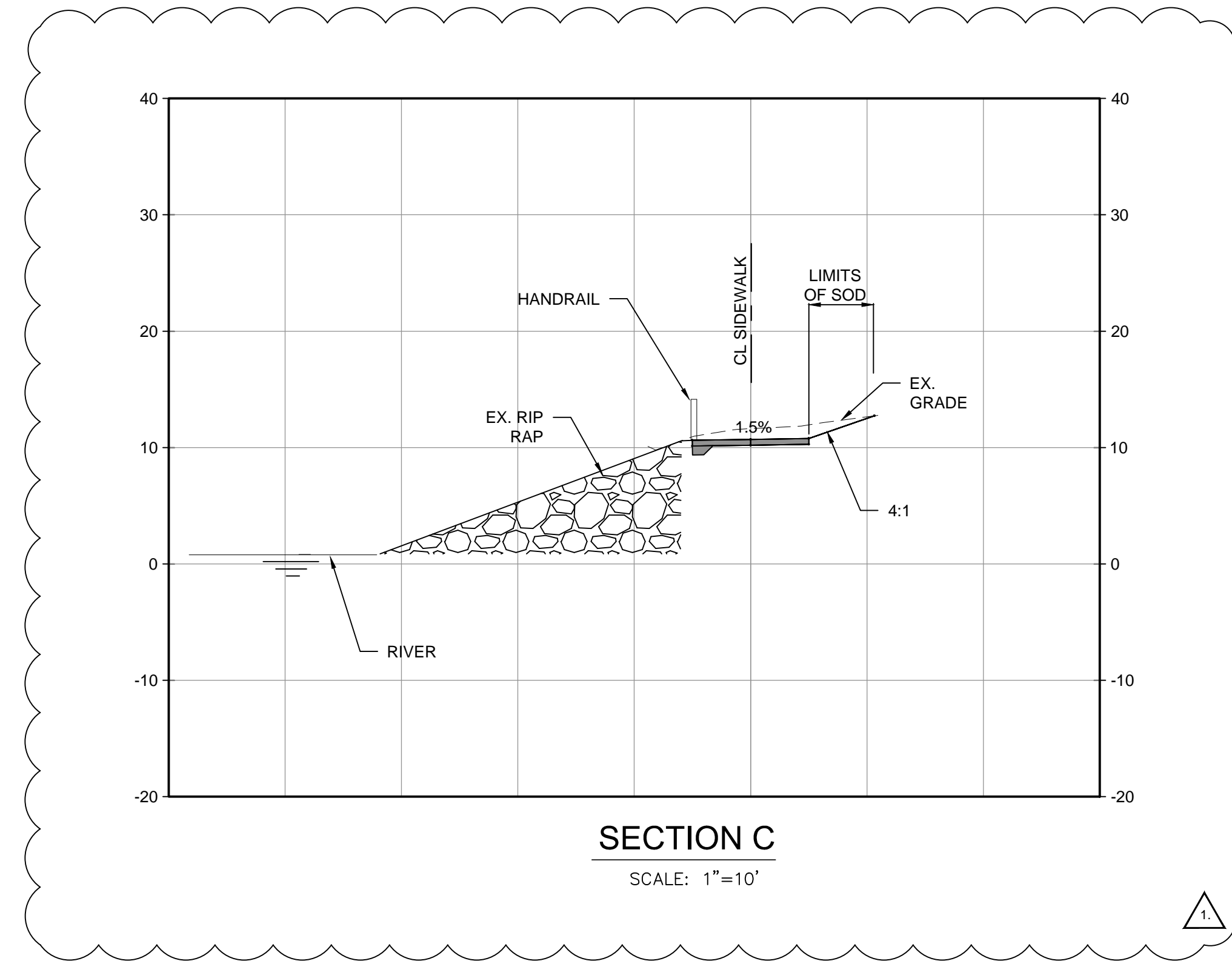
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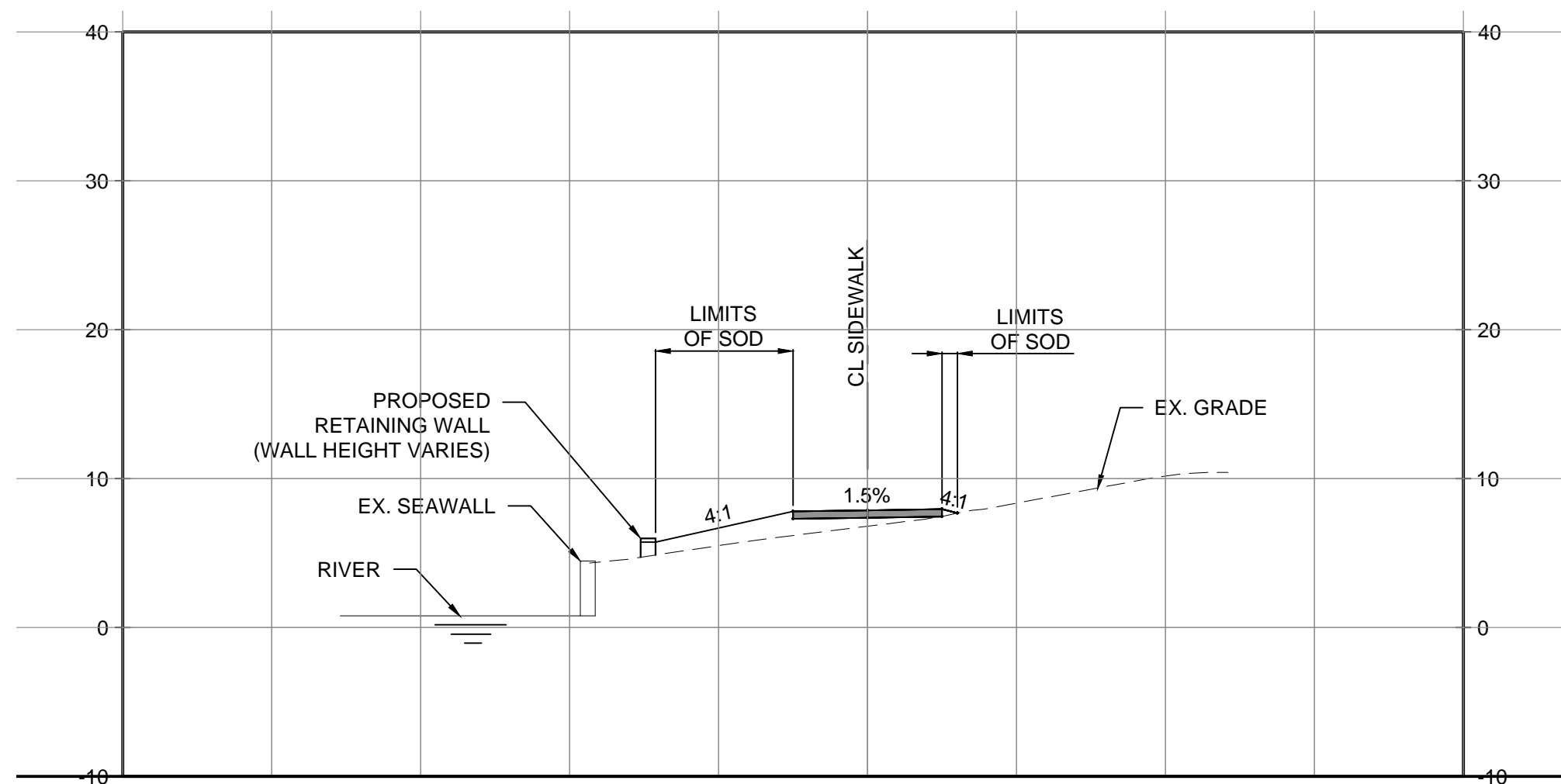
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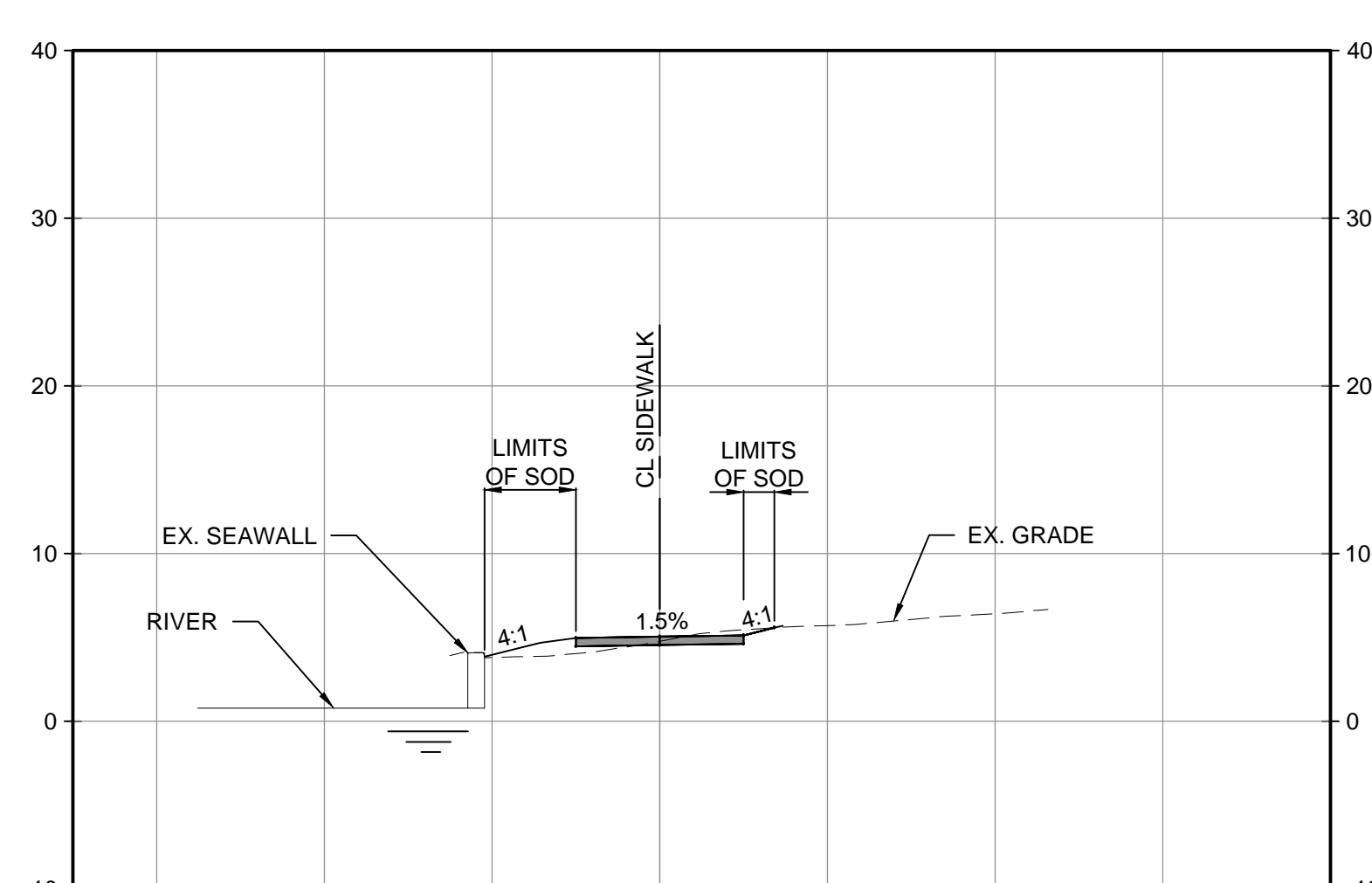
SECTION B
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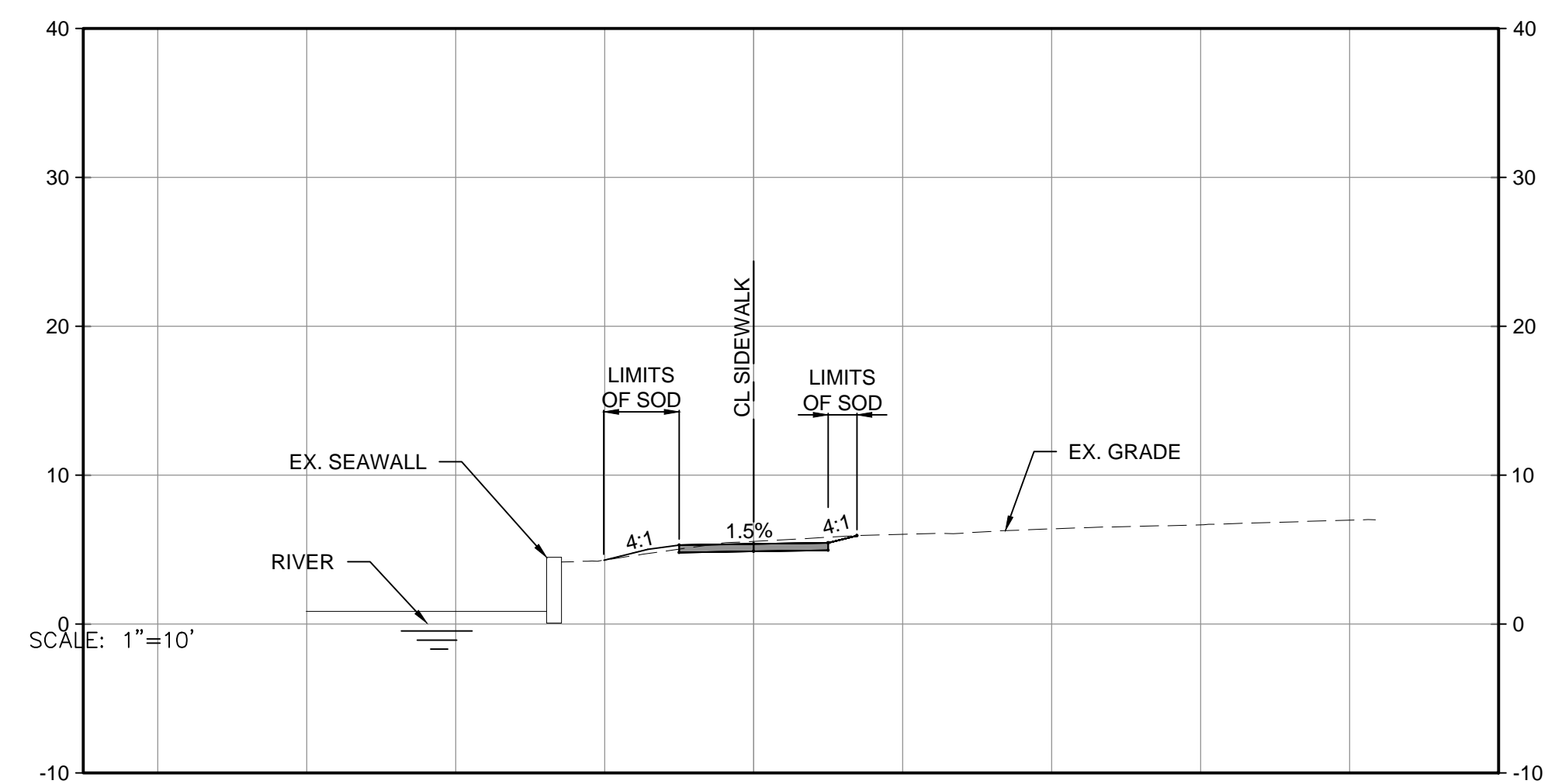
SECTION C
SCALE: 1"=10'



SECTION D
SCALE: 1"=10'



SECTION E
SCALE: 1"=10'



SECTION F
SCALE: 1"=10'

PROJECT NAME:
WEST RIVER TRAIL
PH. 2 UT

SHEET TITLE:
SECTIONS

PREPARED FOR:
CITY OF TAMPA

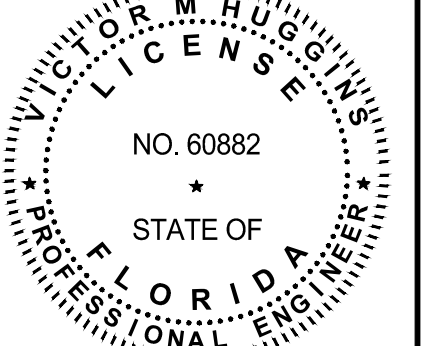
ADDRESS:
3402 W. COLUMBUS DRIVE
TAMPA FL 33607

Revisions:

NO.	DATE	DESCRIPTION
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FL REG NO 60882
PROFESSIONAL ENGINEER



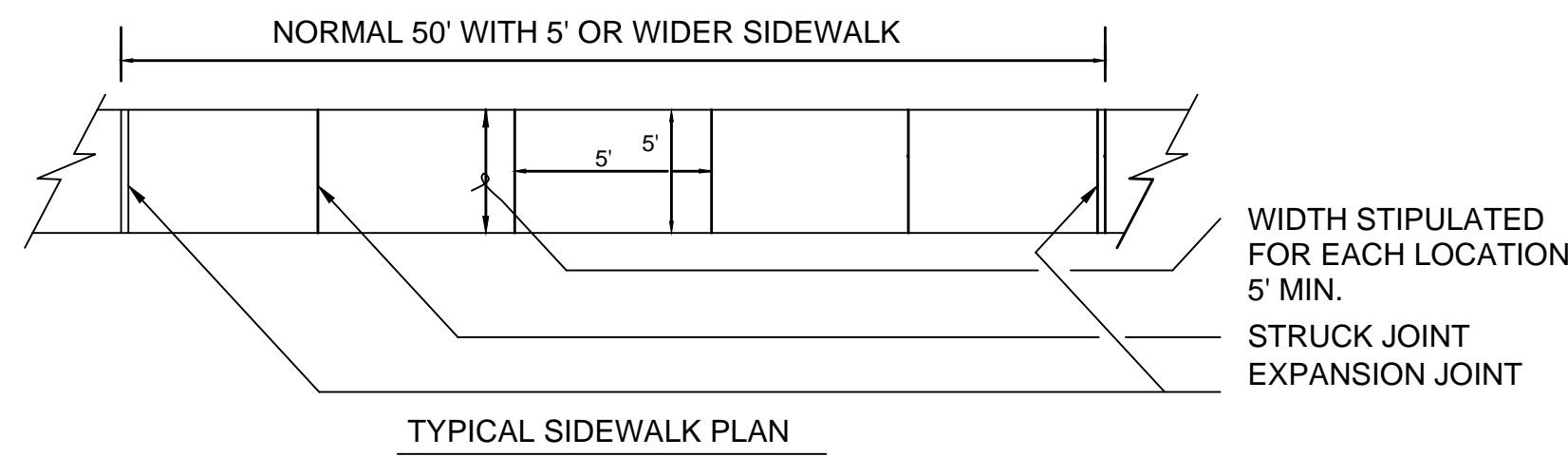
08/31/15

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SHEET:

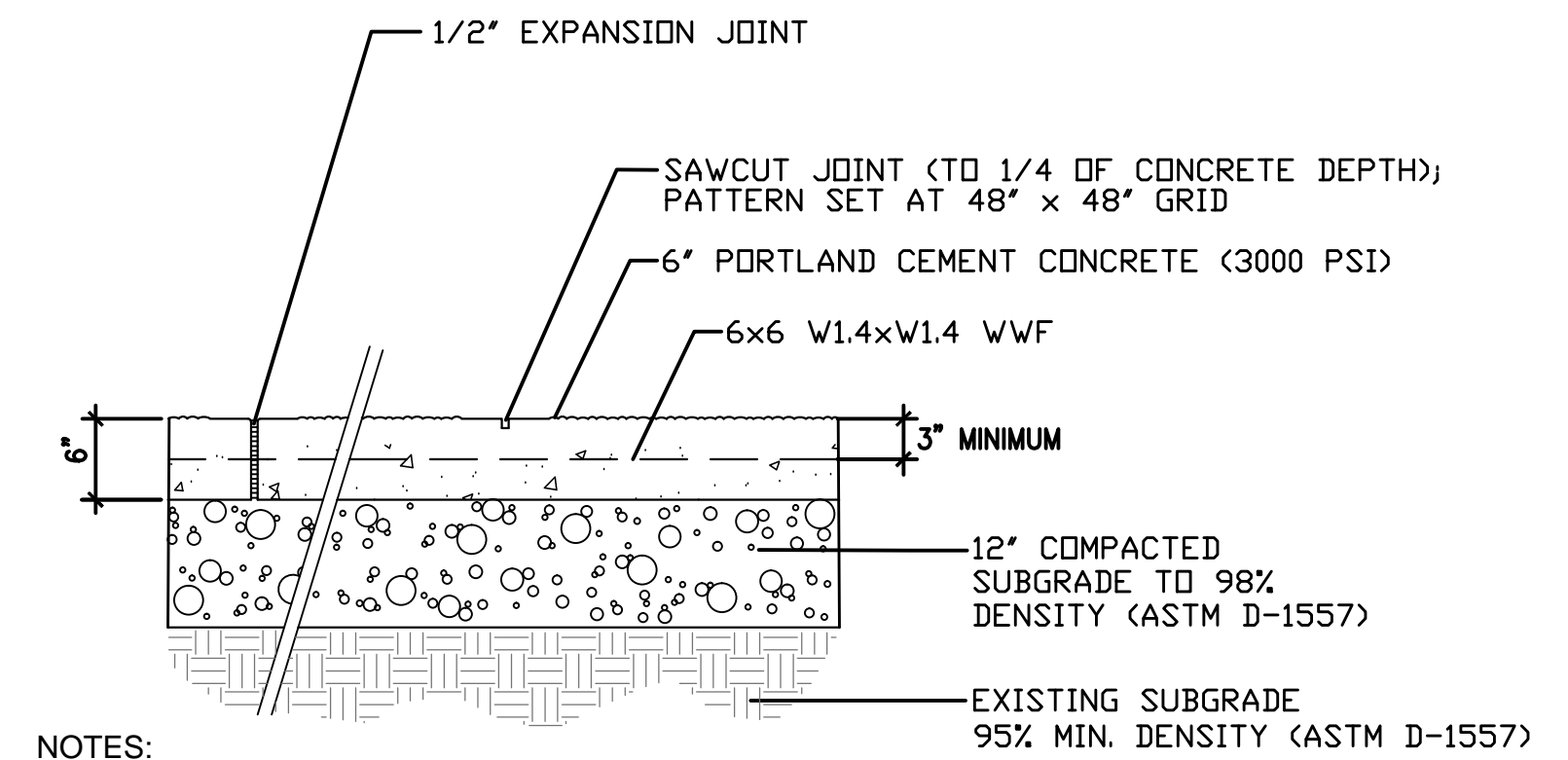
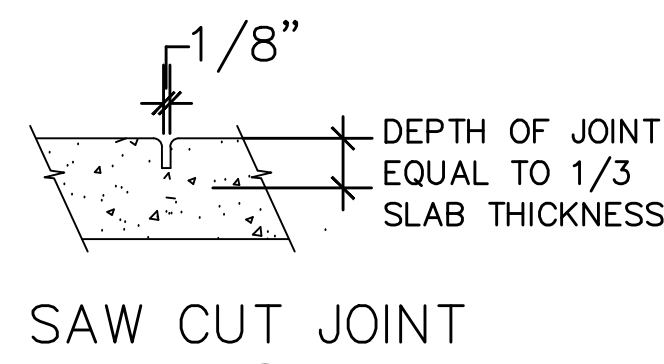
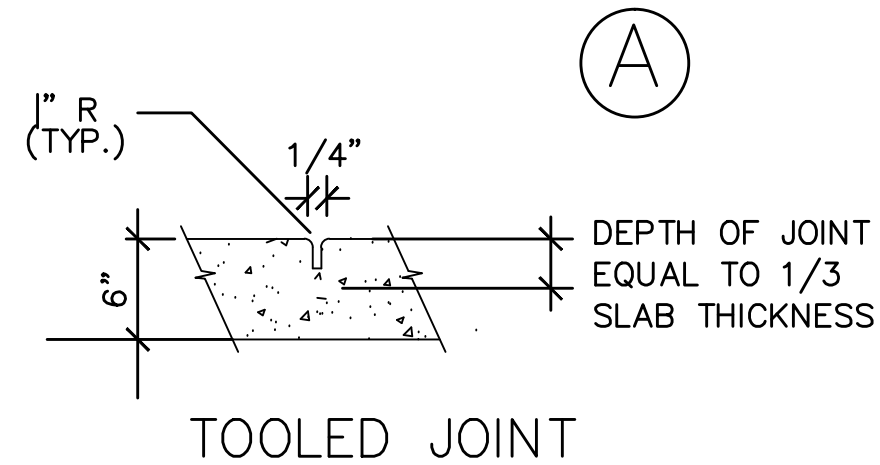
C4.2





SPEED DOWEL MODEL PSD09/#5TX BY GREENSTREAK, INC. (800) 325.9504 OR APPROVED EQUIVALENT. INSTALL TO MANUFACTURER'S RECOMMENDATIONS.

1/2" EXPANSION WITH DOWEL



- NOTES:
 1. SIDEWALKS SHALL HAVE TOOLED EDGES.
 2. CONSTRUCTION JOINTS SHALL BE LOCATED AT STRUCK JOINTS OR EXPANSION JOINTS ONLY.
 3. SIDEWALKS SHALL BE BROOM FINISHED.

PROVIDE 1/2" x 4" BITUMINOUS STRIPS BETWEEN EXPANSION JOINTS AND BETWEEN CONCRETE SIDEWALK AND ANY OTHER CONCRETE ITEMS (DRIVEWAYS, CURBS, ETC.)

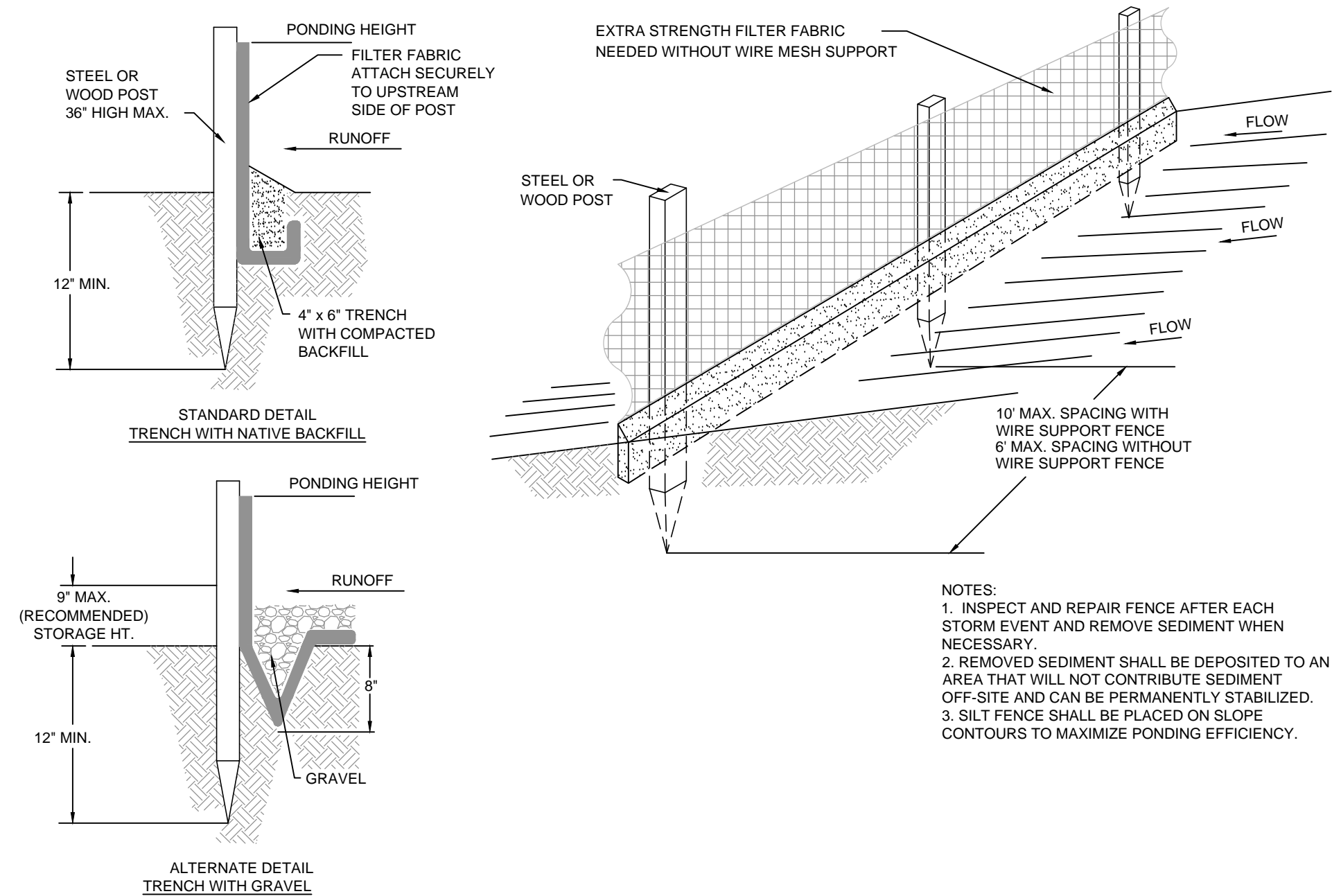
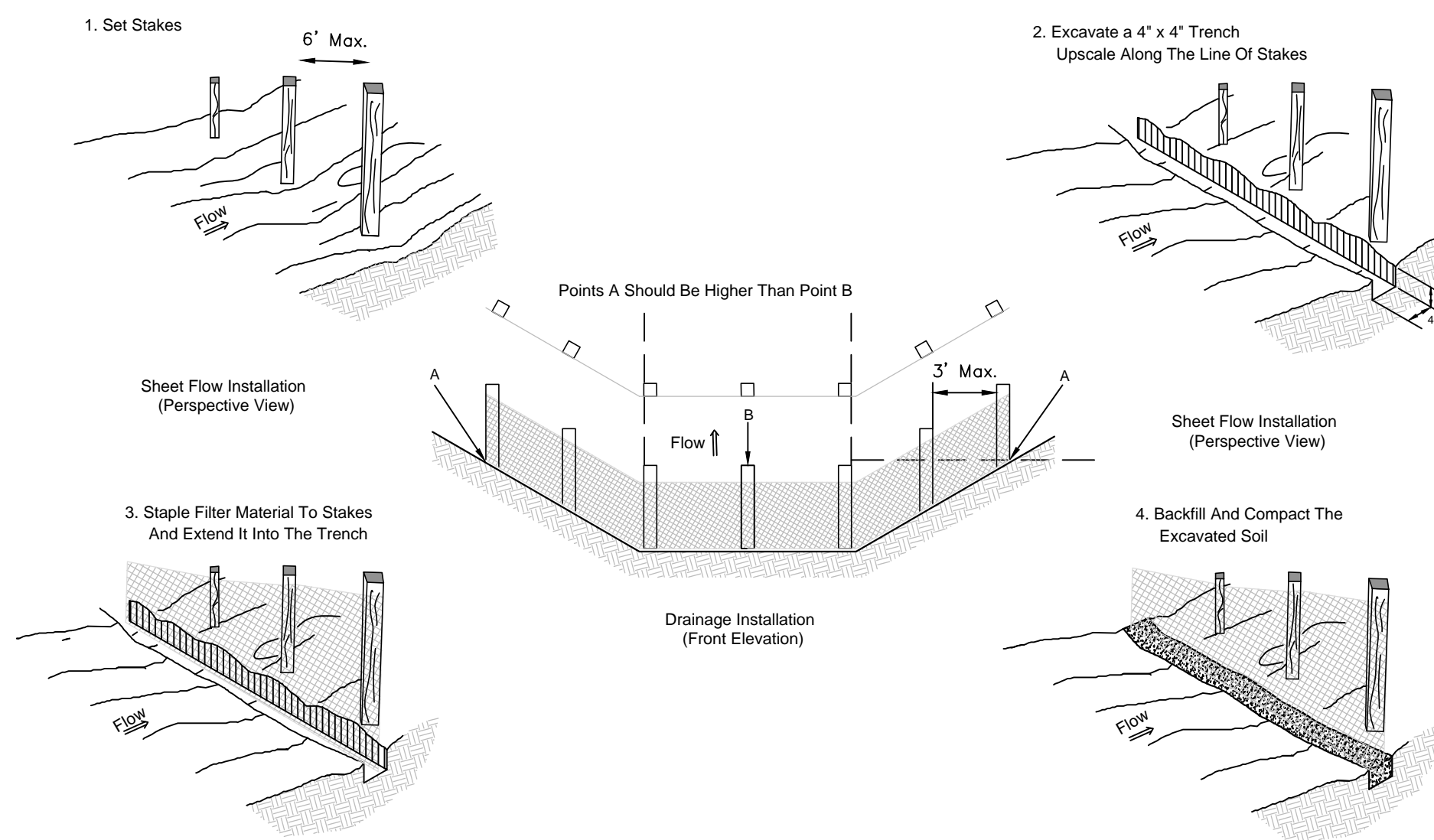
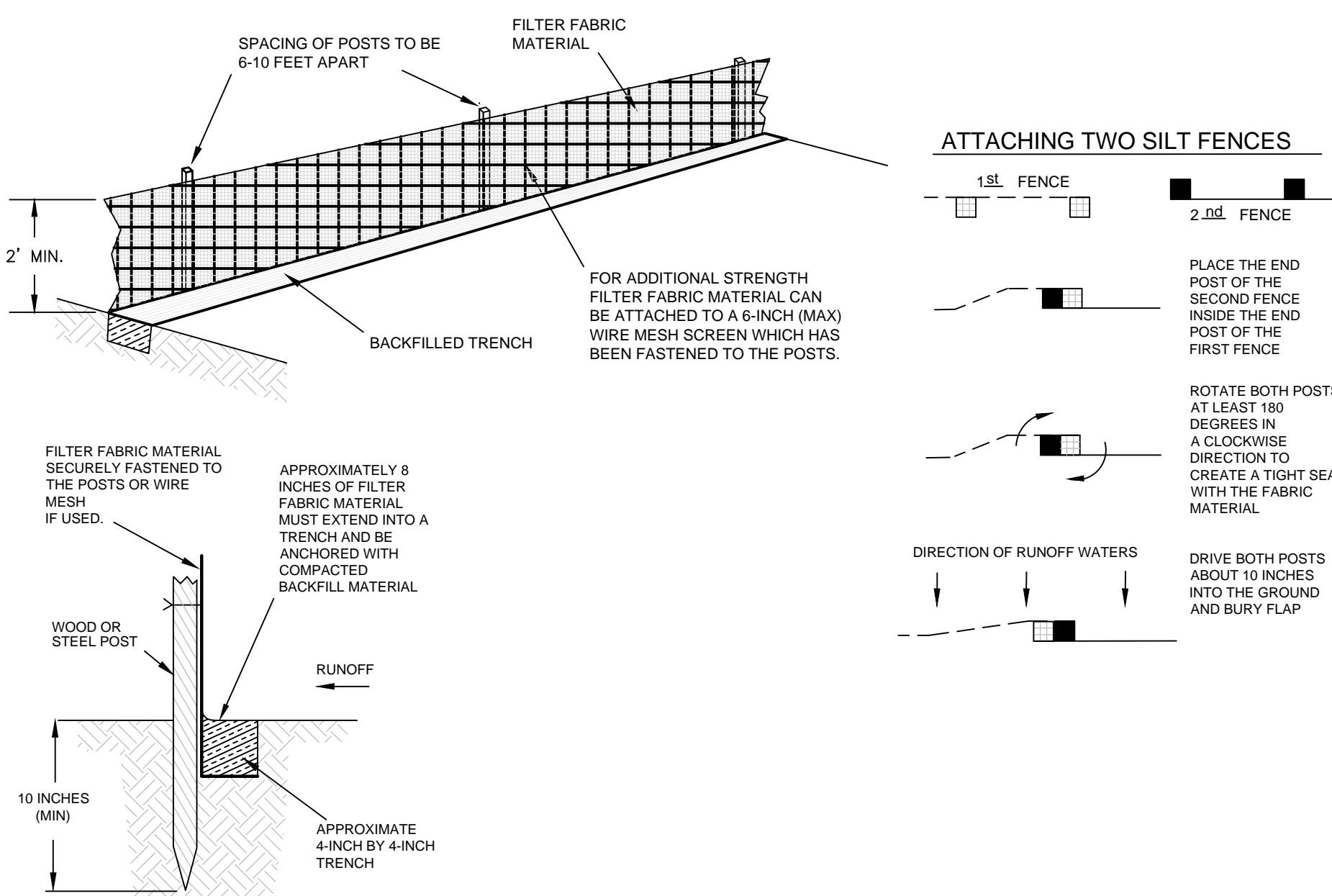
1 SIDEWALK JOINT DETAIL

N.T.S.

N.T.S.

2 SIDEWALK DETAIL

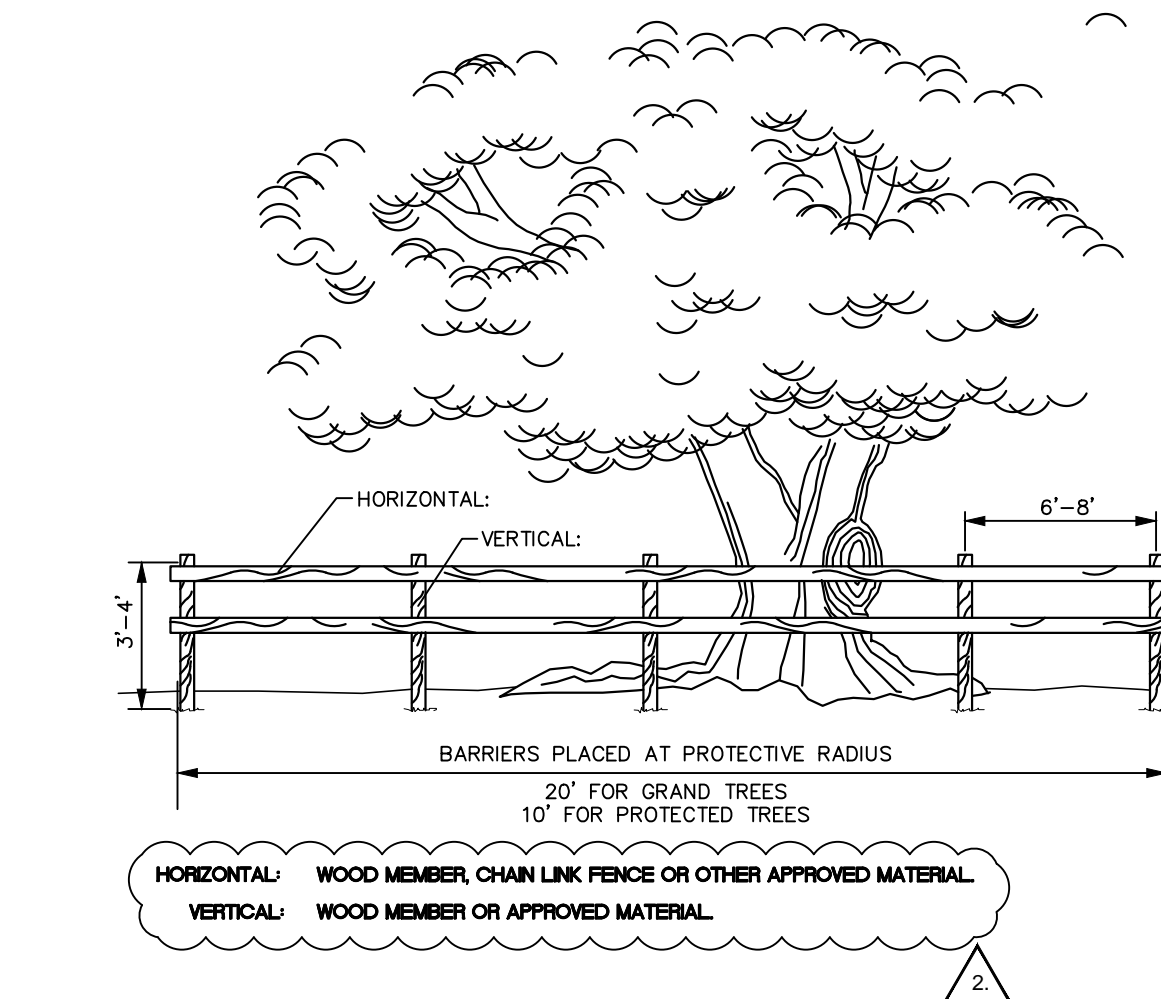
N.T.S.



- NOTES:
 1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

3 FILTER FABRIC SILT FENCE

N.T.S.

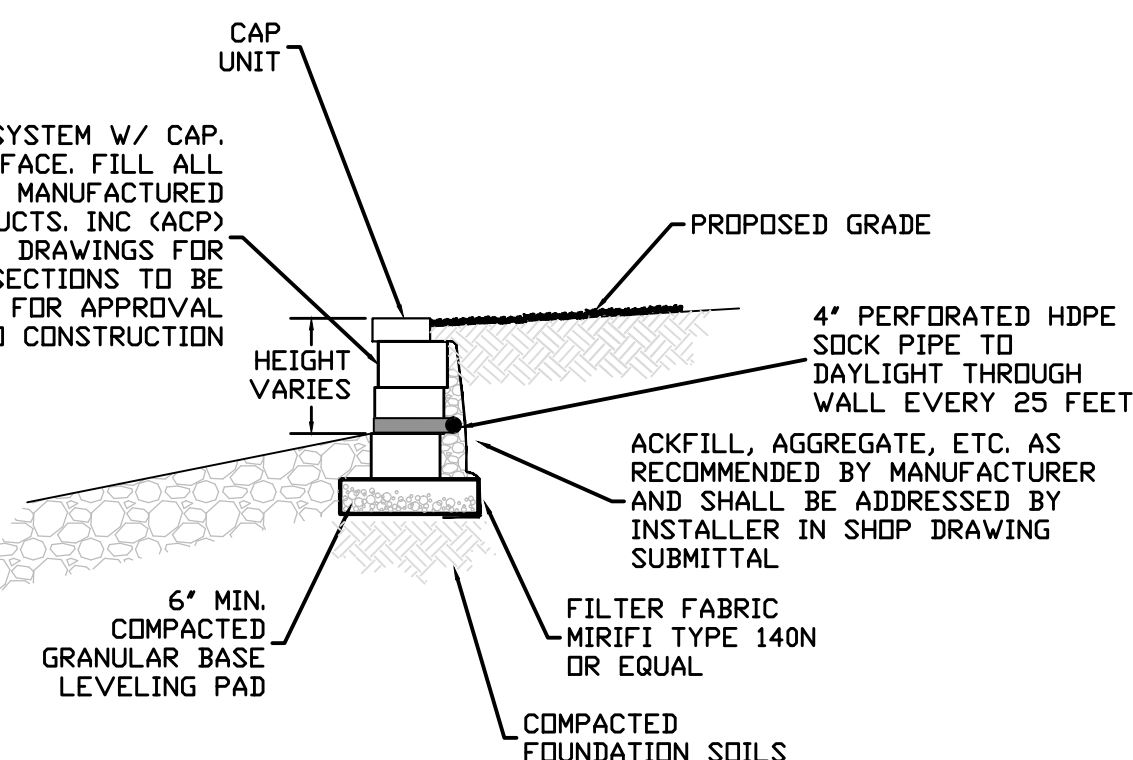


4 TREE BARRICADE DETAIL

N.T.S.

ASSOCIATED CONSTRUCTION PRODUCTS, INC. (ACP)
 25352 WESLEY CHAPEL BLVD.
 LUTZ, FL 33559
 (813) 973-4425

SEGMENTAL BLOCK RETAINING WALL SYSTEM W/ CAP. STYLE: DOUBLE SPLIT BLOCK / FAT FACE. FILL ALL CELLS W/ CONC. COLOR: GRAY, AS MANUFACTURED BY ASSOCIATED CONSTRUCTION PRODUCTS, INC. (ACP) OR APPROVED EQUIVALENT. SHOP DRAWINGS FOR FINAL LAYOUT AND CROSS SECTIONS TO BE SUBMITTED TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION



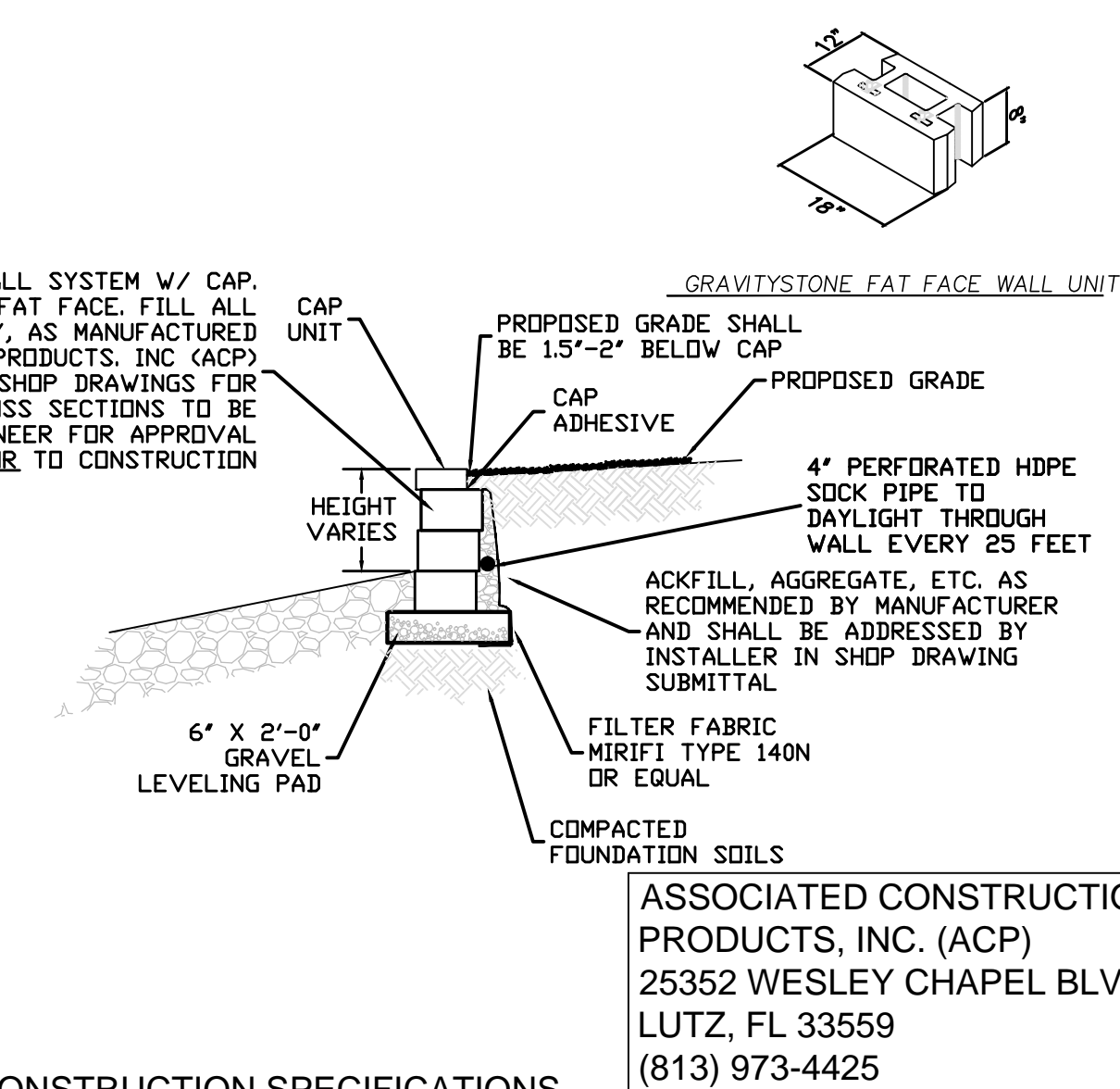
5 SEGMENTAL BLOCK WALL DETAIL

N.T.S.

SEGMENTAL BLOCK RETAINING WALL SYSTEM W/ CAP. STYLE: DOUBLE SPLIT BLOCK / FAT FACE. FILL ALL CELLS W/ CONC. COLOR: GRAY, AS MANUFACTURED BY ASSOCIATED CONSTRUCTION PRODUCTS, INC. (ACP) OR APPROVED EQUIVALENT. SHOP DRAWINGS FOR FINAL LAYOUT AND CROSS SECTIONS TO BE SUBMITTED TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION

SEE SHEET C4.0 FOR HEIGHTS

SEE SHEET C1.0 FOR CONSTRUCTION SPECIFICATIONS



ASSOCIATED CONSTRUCTION PRODUCTS, INC. (ACP)
 25352 WESLEY CHAPEL BLVD.
 LUTZ, FL 33559
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PROJECT NAME: WEST RIVER TRAIL PH. 2 UT
 SHEET TITLE: DETAILS

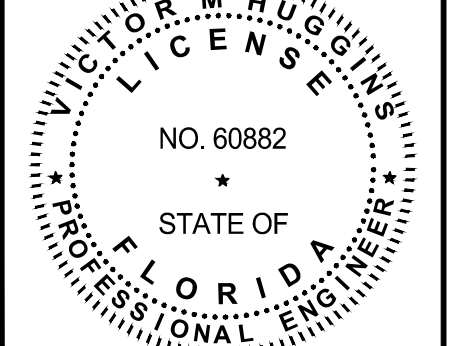
PREPARED FOR: CITY OF TAMPA
 ADDRESS: 3402 W. COLUMBUS DRIVE TAMPA FL 33607

Revisions:

NO.	DATE	DESCRIPTION
1	05/20/15	PER COT PARKS & REC COMMENTS
2	07/10/15	PER COT COMMENTS
3	08/31/15	PER CLIENT COMMENTS

PROJ. NO.: C002015K
 DATE: 04-15-2015
 DRAWN: D.W.S.
 DESIGNED: V.M.H./D.W.S.
 CHECKED: V.M.H./T.K.

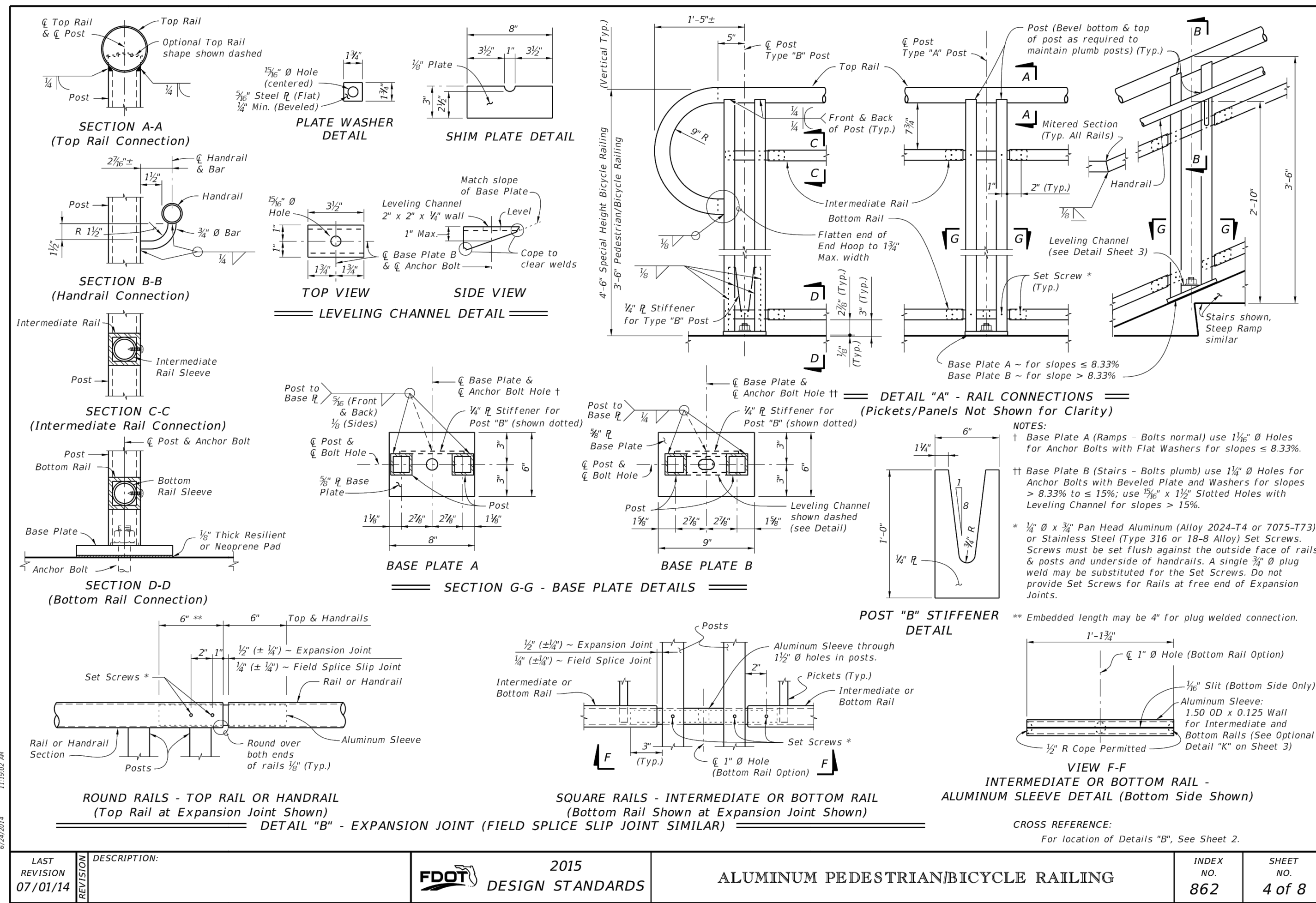
VICTOR M. HUGGINS, P.E.
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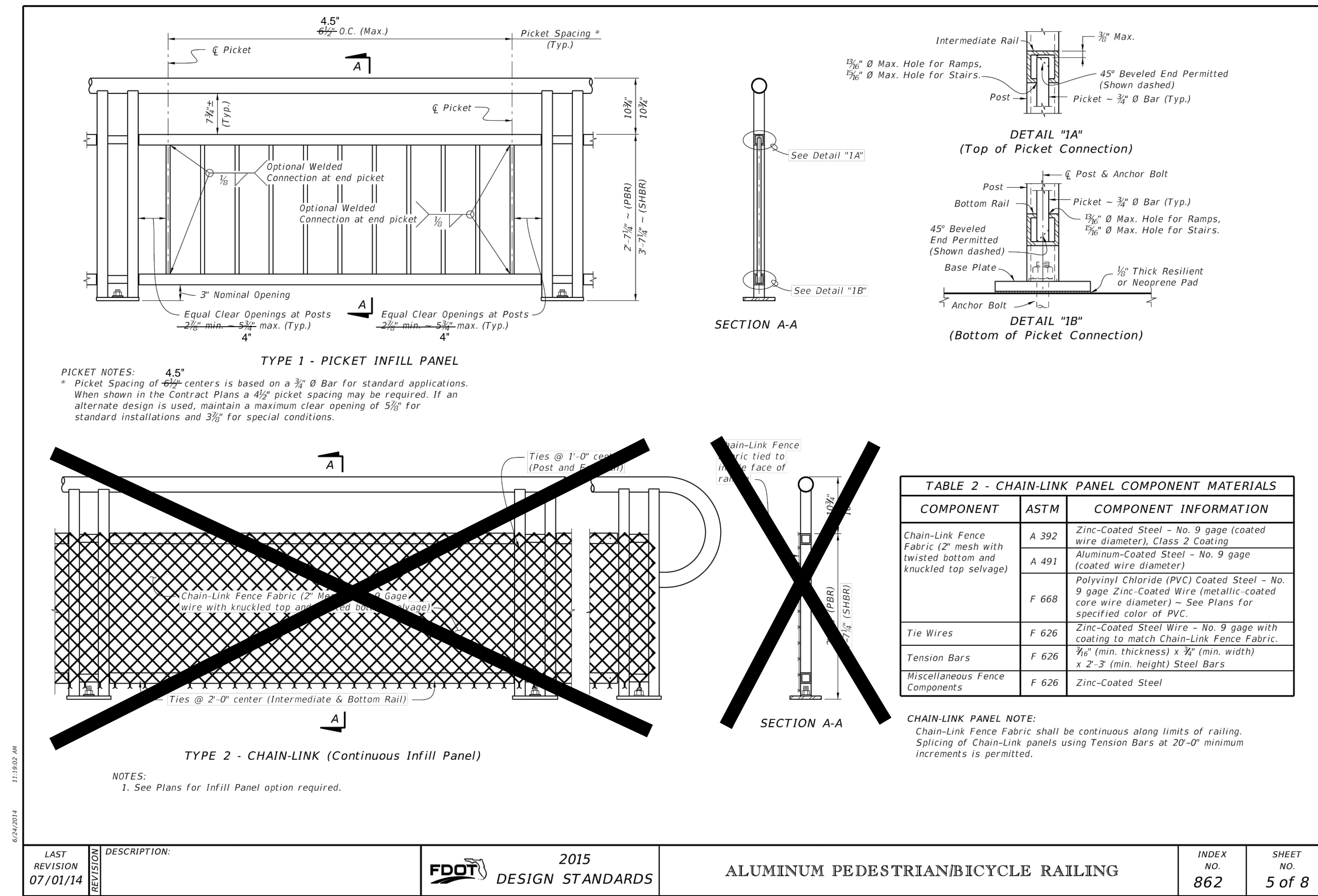
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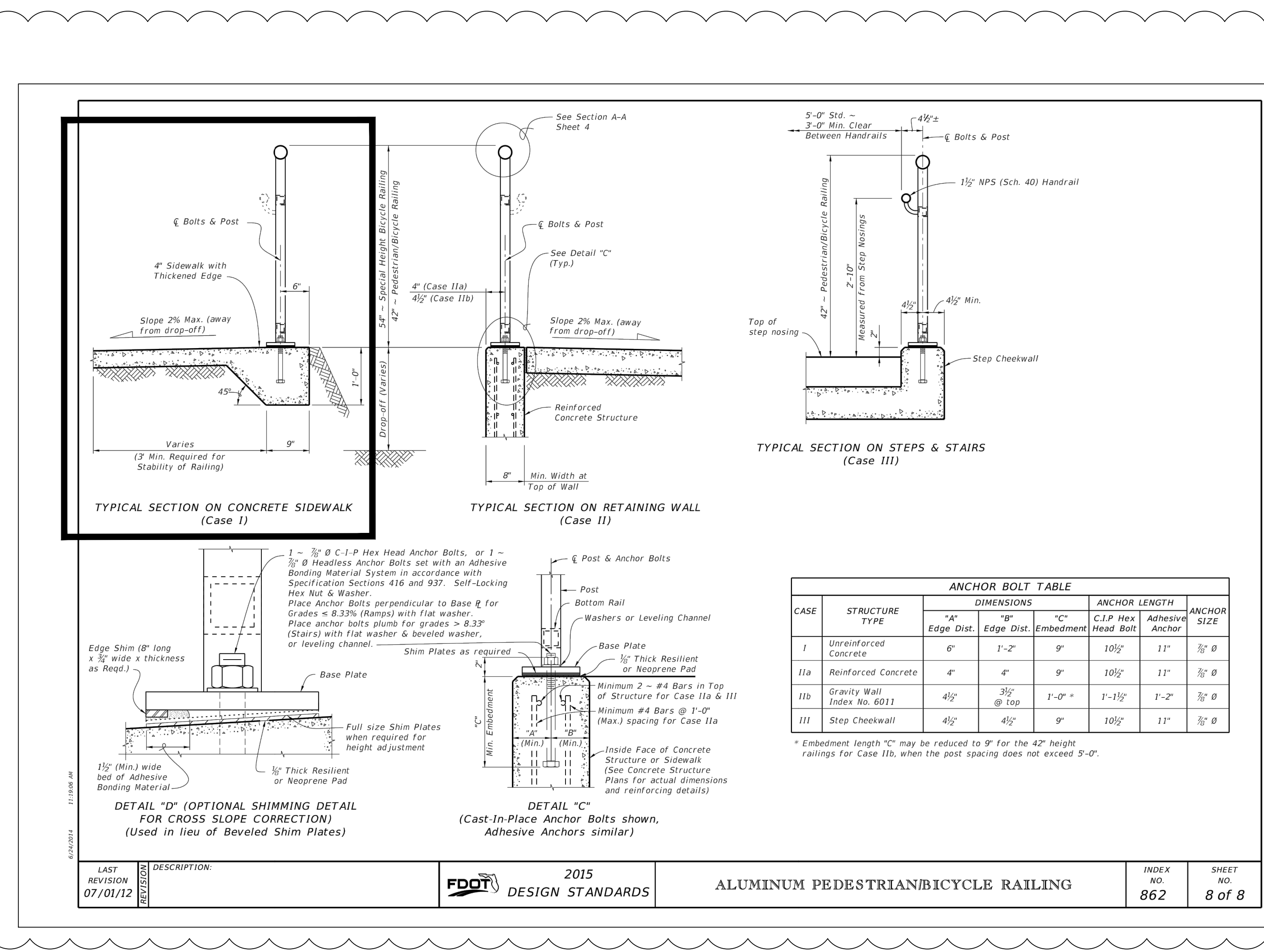
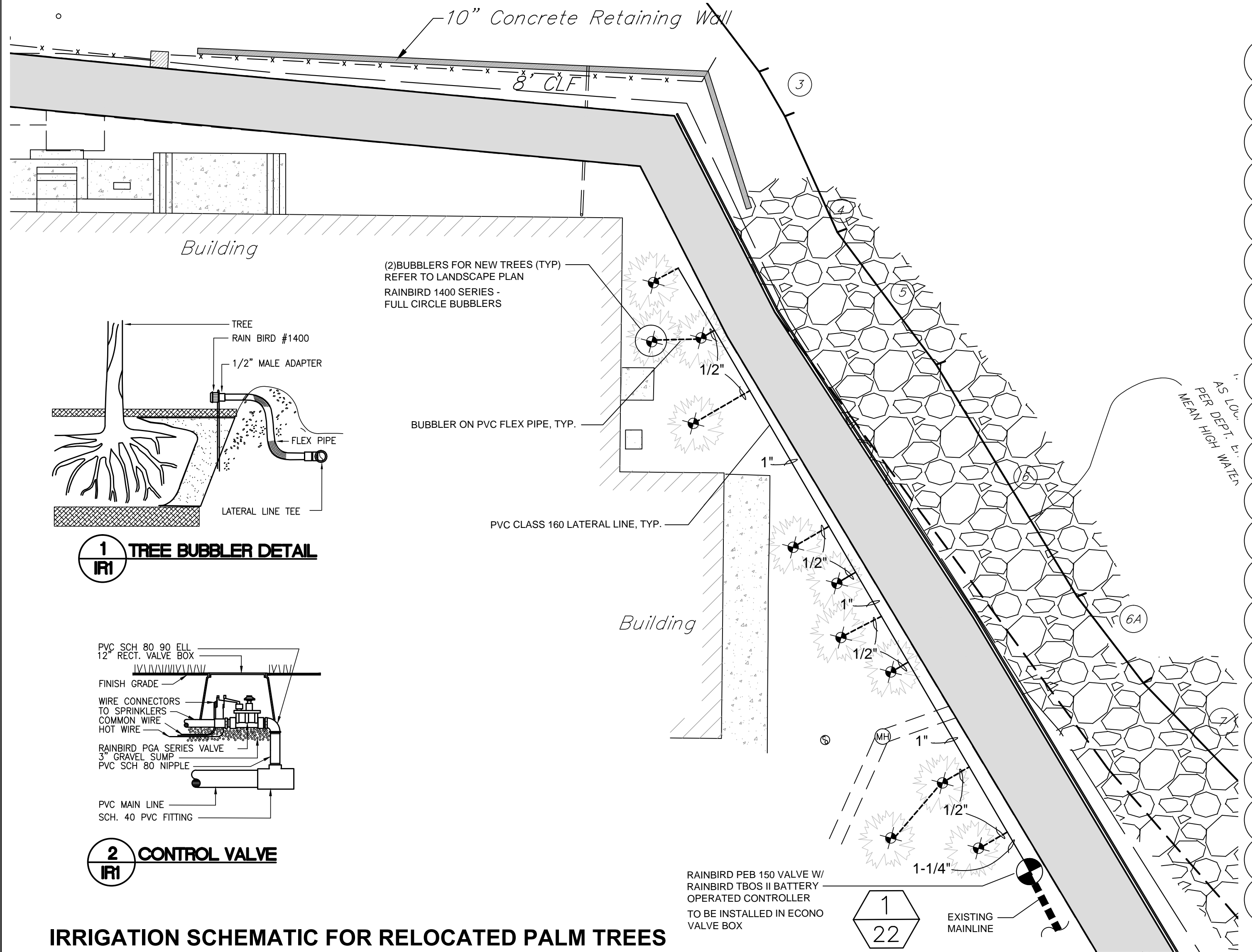
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LAST REVISION 07/01/14	DESCRIPTION:	2015 FDOT DESIGN STANDARDS	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 4 of 8
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LAST REVISION 07/01/14	DESCRIPTION:	2015 FDOT DESIGN STANDARDS	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 5 of 8
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LAST REVISION 07/01/12	DESCRIPTION:	2015 FDOT DESIGN STANDARDS	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 8 of 8
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 NO. 60882
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
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