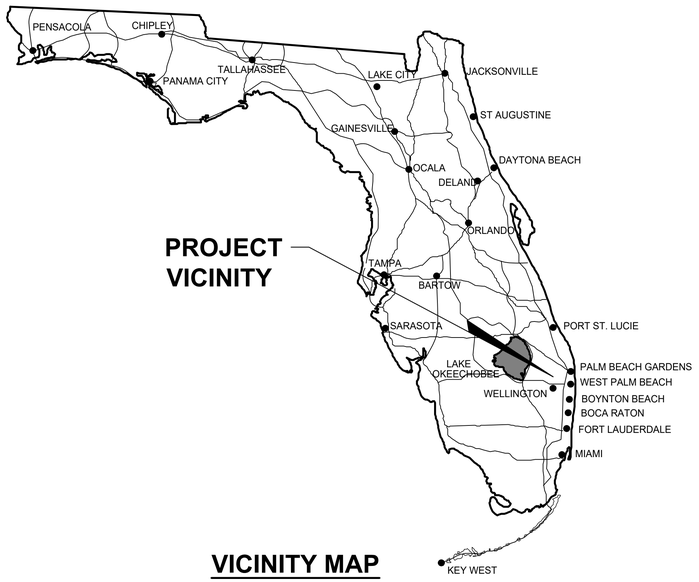
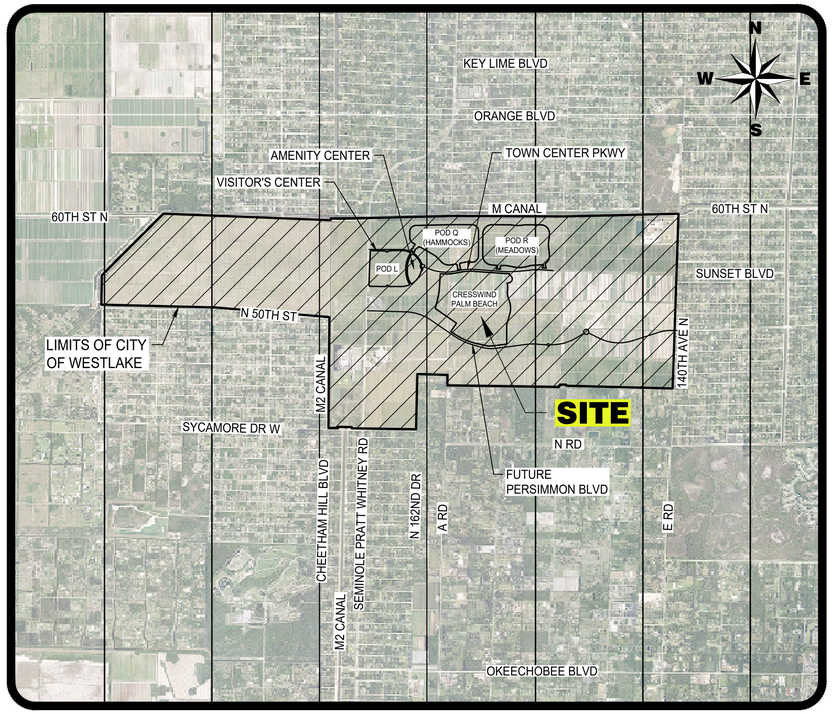
PAVING AND DRAINAGE PLANS FOR
CRESSWIND PALM BEACH
CLUBHOUSE

SECTION 01 & 12, TOWNSHIP 43S., RANGE 40E.
SECTION 06 & 07, TOWNSHIP 43S., RANGE 41E.
CITY OF WESTLAKE, FLORIDA



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

6/16/2020

PAVING AND DRAINAGE PLANS

REVISIONS

SIMMONS & WHITE
ENGINEERING | PLANNING | CONSULTING | SINCE 1982
Authorization No. 3452
2581 Metrocentre Blvd West ● Suite 3 ● West Palm Beach, Florida 33407 ● (561) 478-7848

CRESSWIND PALM BEACH
CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
TITLE SHEET

DESIGN	DRAWN	CHECKED	APPROVED	DATE	JOB NO.	DRAWING NO.	SHEET	OF
P.B.	D.B.				18-150(0)	18150(0)P01	1	8

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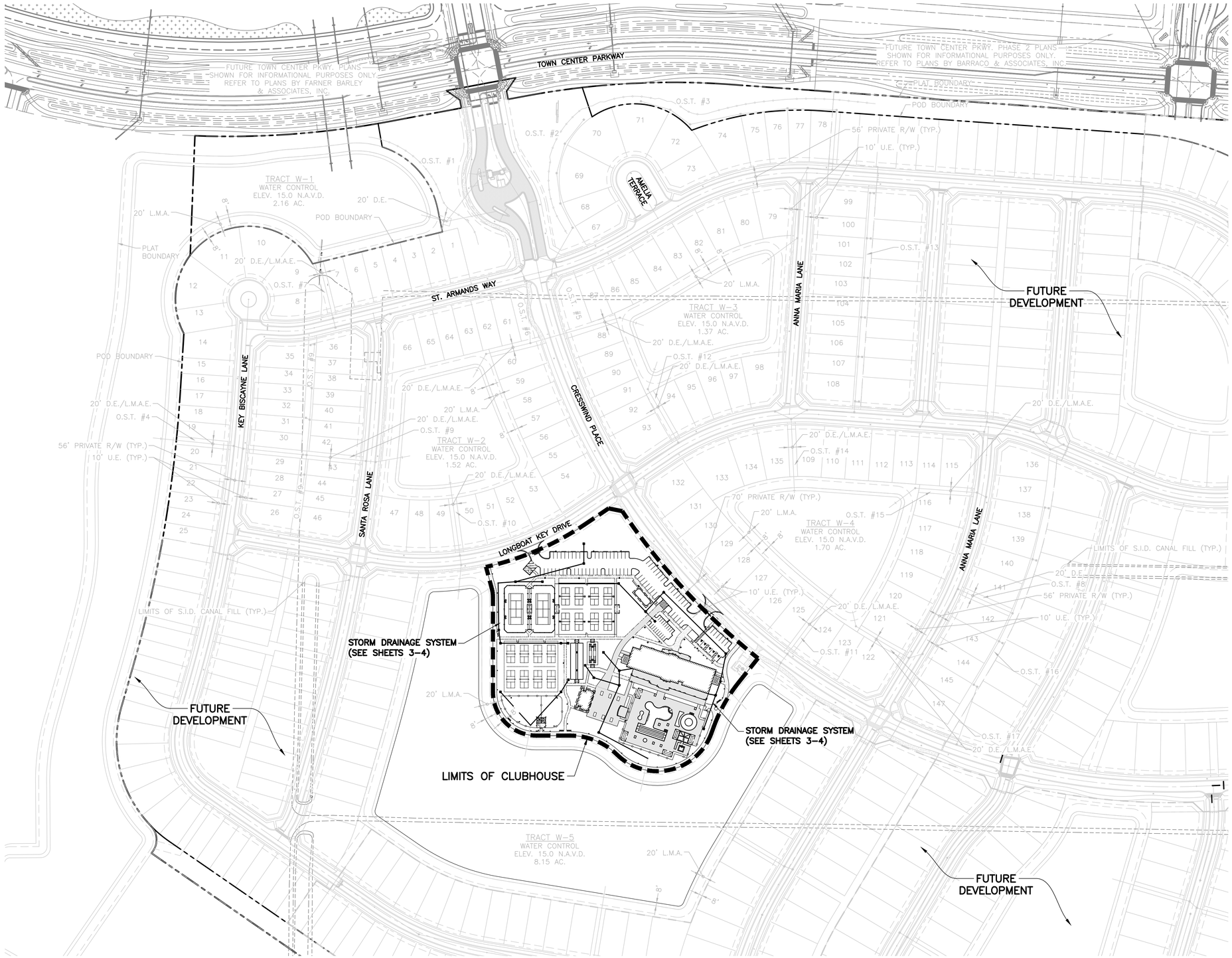

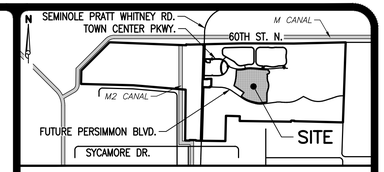

LOCATION MAP
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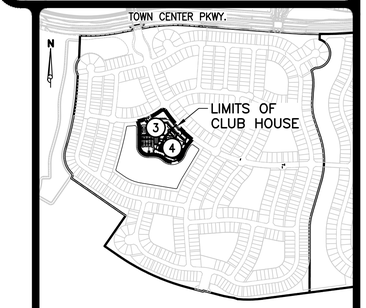

KEY MAP
NOT TO SCALE

N

120 60 0 120 240
SCALE IN FEET
1"=120'

LEGEND

- - - -	LIMITS OF CLUBHOUSE
L.M.A.	LAKE MAINTENANCE AREA
U.E.	UTILITY EASEMENT
O.S.T.	OPEN SPACE TRACT

MINIMUM ELEVATIONS:

MINIMUM ROAD CROWN = 19.2 N.A.V.D.

MINIMUM F.F.E. = 20.8 N.A.V.D.

LAKE CONTROL = 15.0 N.A.V.D.

6/16/2020

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DATUM NOTES:

1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

2) AN APPROXIMATE CONVERSION BETWEEN THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929 AND N.A.V.D. CAN BE MADE BY ADDING 1.47 TO THE N.A.V.D. ELEVATION TO OBTAIN THE N.G.V.D. ELEVATION.

3.) TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY CAULFIELD & WHEELER, INC. (561) 392-1991 AND WAS RECEIVED ON NOVEMBER 20, 2018.

1.) REVISED BUILDING FOOTPRINT, POOL AREA & PARKING PER SITE PLAN CHANGES, 06/16/20 D.B.

REVISIONS

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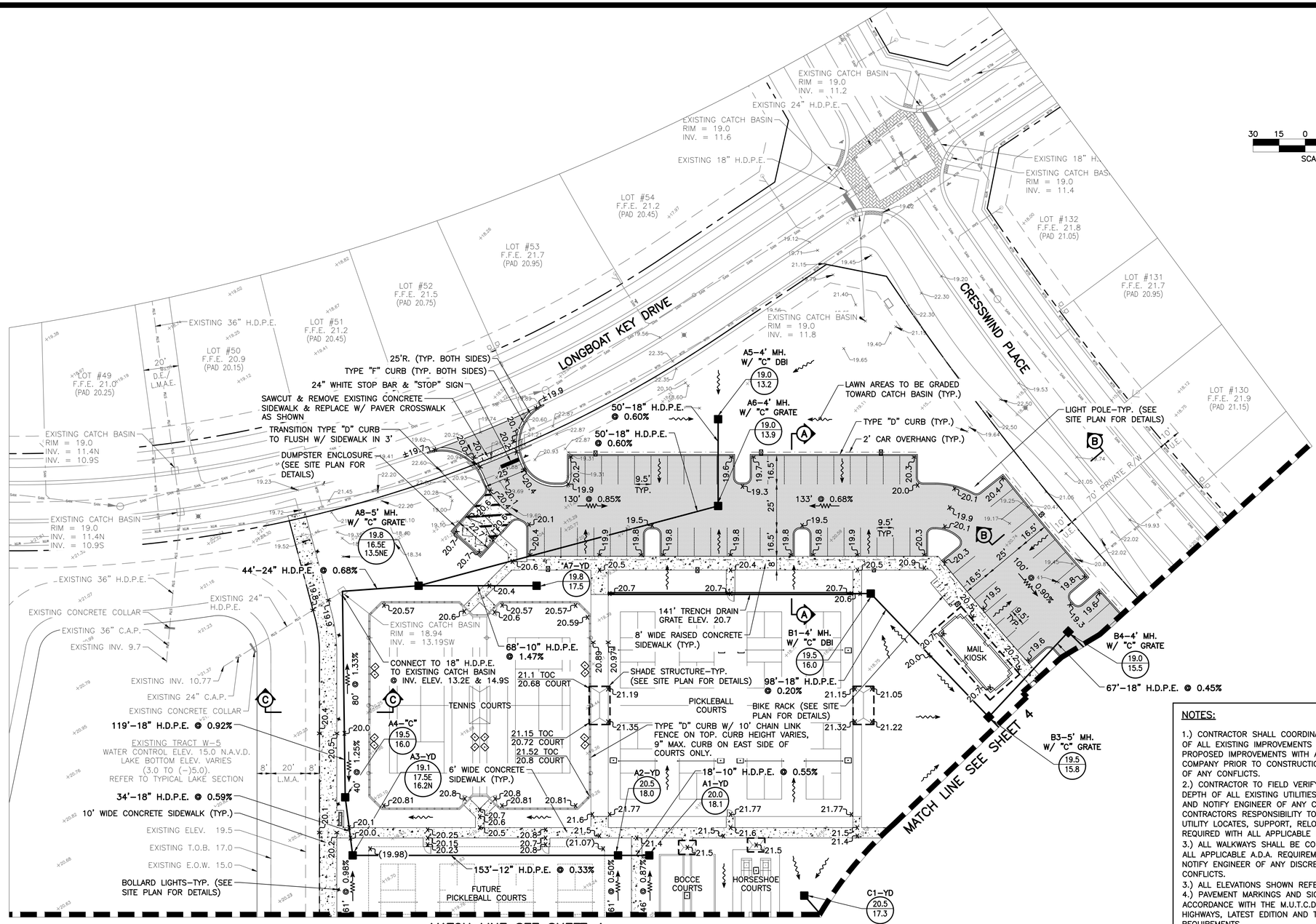
DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

CRESSWIND PALM BEACH CLUBHOUSE

CITY OF WESTLAKE, FLORIDA

MASTER PLAN

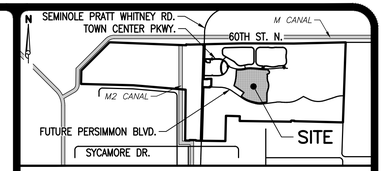
JOB NO.	DRAWING NO.	SHEET	OF
18-150(0)	18150(0)P02	2	8



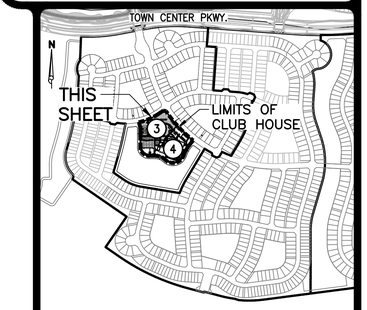
N

30 15 0 30 60

SCALE IN FEET
1"=30'



LOCATION MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

LEGEND

A1–"C" W/ VGI	INLET NUMBER AND TYPE
20.0 / 16.0	INLET TOP ELEVATION / INVERT ELEVATION
	PROPOSED STORM SEWER AND CATCH BASIN
	PROPOSED STORM SEWER AND MANHOLE
	DIRECTION OF FLOW
	DIRECTION OF SWALE
	ASPHALT PAVEMENT
	DECORATIVE BRICK PAVERS
	PAVERS (SEE SITE PLAN FOR DETAILS)
	DETECTABLE WARNING SURFACE
	LIGHT DUTY CONCRETE SIDEWALK
	VEHICLE RATED CONCRETE
	SOD PLACED ON 12" STABILIZED SUBGRADE. SUBGRADE TO BE STABILIZED TO LBR 40 MIN.
	24" WHITE STOP BAR & "STOP" SIGN
SS	24" WHITE STOP BAR & "STOP" SIGN WITH STREET SIGN
	LIGHT POLE (BY OTHERS)
20.2	PROPOSED GRADE ELEVATION
(19.98)	FUTURE FINISHED GRADE ELEVATION
20.5 TOC / 21.0 COURT	TOP OF CURB ELEVATION / COURT ELEVATION
+18.08	EXISTING GRADE ELEVATION
LOT #125	LOT NUMBER
F.F.E. 21.9	FINISH FLOOR ELEVATION
(PAD 21.15)	EARTHWORK PAD ELEVATION
R/W	RIGHT OF WAY
ELEV.	ELEVATION
E.O.W.	EDGE OF WATER
T.O.B.	TOP OF BANK
L.M.A.	LAKE MAINTENANCE AREA
L.M.A.E.	LAKE MAINTENANCE ACCESS EASEMEN
D.E.	DRAINAGE EASEMENT
U.E.	UTILITY EASEMENT
O.S.T. #4	OPEN SPACE TRACT & NUMBER

6/16/2020

NOTES:

1.) CONTRACTOR SHALL COORDINATE RELOCATION/ REMOVAL OF ALL EXISTING IMPROVEMENTS IN CONFLICT WITH THE PROPOSED IMPROVEMENTS WITH APPLICABLE UTILITY COMPANY PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
2.) CONTRACTOR TO FIELD VERIFY LOCATION, MATERIAL AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE ALL EXISTING UTILITY LOCATES, SUPPORT, RELOCATIONS AND NOTIFICATIONS REQUIRED WITH ALL APPLICABLE UTILITY SERVICE PROVIDERS.
3.) ALL WALKWAYS SHALL BE CONSTRUCTED COMPLIANT WITH ALL APPLICABLE A.D.A. REQUIREMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN FIELD CONFLICTS.
3.) ALL ELEVATIONS SHOWN REFERENCE N.A.V.D. 1988.
4.) PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. FOR STREETS & HIGHWAYS, LATEST EDITION AND THE CITY OF WESTLAKE REQUIREMENTS.
5.) YARD DRAINS SHALL BE FIELD ADJUSTED AS NEEDED DURING CONSTRUCTION SO AS TO NOT CONFLICT WITH PROPOSED LANDSCAPING OR OTHER IMPROVEMENTS.
6.) ALL YARD AREAS AND WALKWAYS/PEDESTRIAN AREAS SHALL BE GRADED AWAY FROM PROPOSED BUILDINGS, TOWARD YARD DRAINS, PARKING AREA OR SWALES AS APPLICABLE. NO AREAS SHALL BE LEFT FLAT OR SUBJECT TO PONDING.
7.) YARD DRAINS SHALL BE A.D.S. NYLOPAST OR APPROVED EQUAL.
8.) ALL DRAINAGE STRUCTURES SHALL HAVE MINIMUM 12" SUMP.
9.) REFER TO ARCH. PLANS FOR DETAILS REGARDING PAVING SURFACE WITHIN FENCED POOL DECK AREA AND DECORATIVE BRICK PAVER SPECIFICATIONS.

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1.) REVISED BUILDING FOOTPRINT, POOL AREA & PARKING PER SITE PLAN CHANGES, 06/16/20 D.B.

REVISIONS

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Authorization No. 3452
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DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

CRESSWIND PALM BEACH CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
PAVING AND DRAINAGE PLAN

JOB NO.	DRAWING NO.	SHEET	OF
18–150(0)	18150(0)P03	3	8

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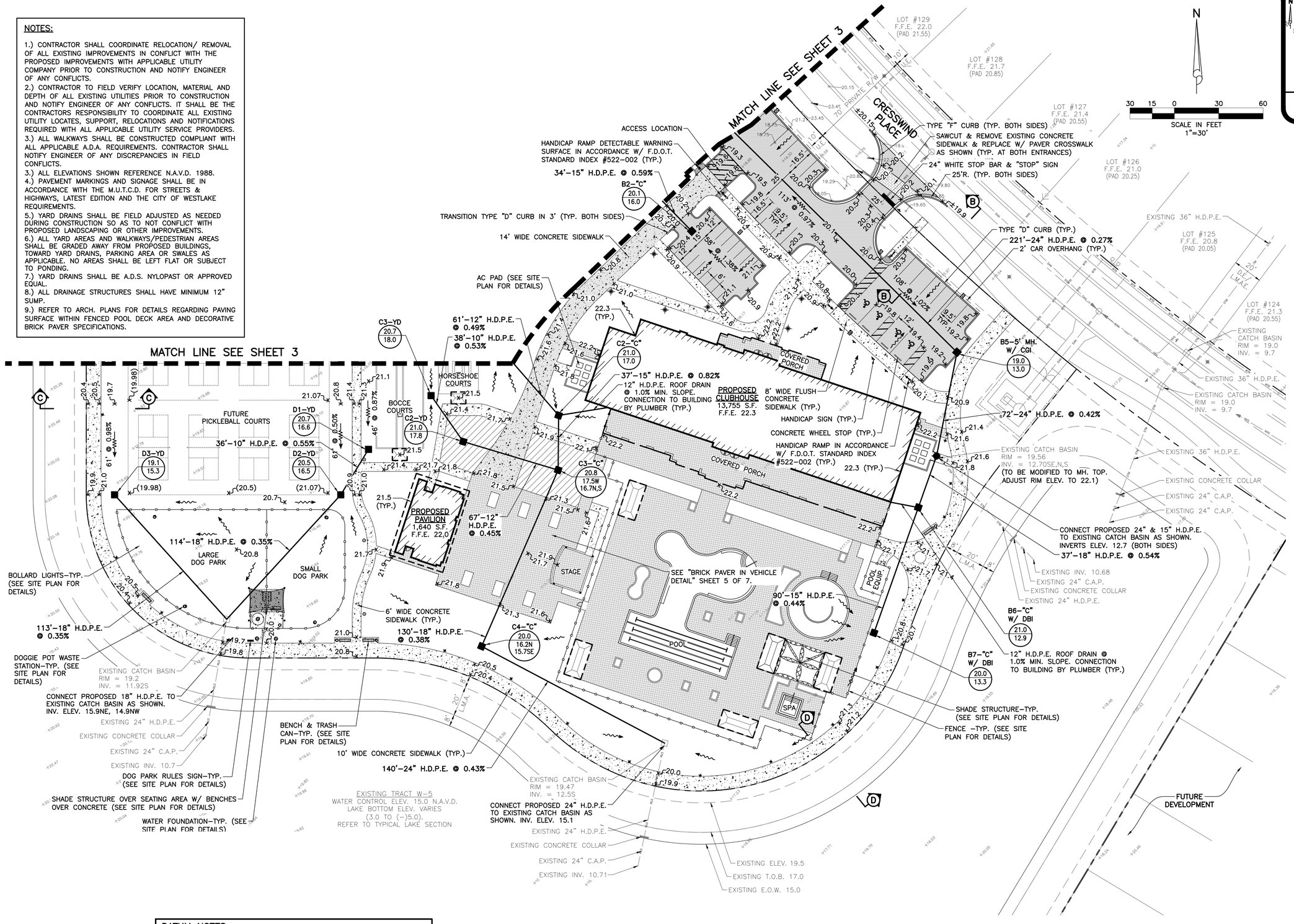

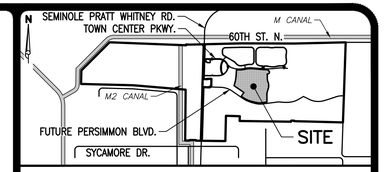

LOCATION MAP
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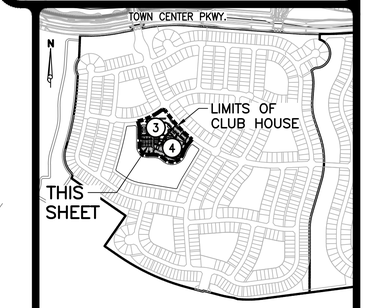

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DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

CRESSWIND PALM BEACH CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
PAVING AND DRAINAGE PLAN

JOB NO.	DRAWING NO.	SHEET	OF
18-150(0)	18150(0)P04	4	8

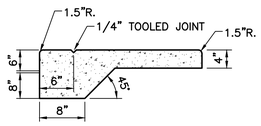
GENERAL NOTES:

1. NOTIFY ENGINEER OF IN–FIELD CONFLICTS OR DESIGN DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
2. EXISTING WATER, SEWER AND DRAINAGE SYSTEMS ARE REPRESENTED AS DASHED LINES AND SHALL BE VERIFIED BY CONTRACTOR.
3. CONTRACTOR SHALL PROTECT ALL UTILITIES AND PUBLIC IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DURING CONSTRUCTION AND SHALL REPAIR SAID DAMAGES AT HIS EXPENSE. CONTRACTOR TO RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.
4. SUPPORT OR THE RELOCATION OF EXISTING STREET LIGHT POLES, POWER OR TELEPHONE POLES, EXISTING UTILITIES, IRRIGATION SYSTEMS, SIDEWALKS, WALLS, ETC. NECESSARY FOR COMPLETION OF THIS WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
5. INFORMATION SHOWN ON THESE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT BE GUARANTEED, HOWEVER, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF ANY EXISTING UTILITIES. ALL "AS–BUILT" INFORMATION INCLUDING LOCATION AND ELEVATION OF UTILITY STUB–OUTS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OR ORDERING OF STRUCTURES. NOTIFY ENGINEER OF DISCREPANCIES/CONFLICTS.
6. REFER TO ARCHITECTURAL DRAWINGS AND SITE PLAN FOR DETAILS CONCERNING SIDEWALKS, RAMPS, STRIPING AND SIGNAGE, LIGHTING AND ELECTRICAL CONDUIT, ETC.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS, SITE PLAN AND NOTIFY THE ENGINEER OF ANY DEVIATIONS PRIOR TO COMMENCING CONSTRUCTION.
8. SIDEWALKS TO BE FLUSH WITH YARD AREAS UNLESS OTHERWISE NOTED.
9. ALL DRAINAGE CONSTRUCTION SHALL CONFORM TO FLORIDA DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SEMINOLE IMPROVEMENT DISTRICT AND THE CITY OF WESTLAKE REQUIREMENTS.
10. GRADE ALL PAVEMENT AREAS TO CATCH BASINS. CONTRACTOR TO NOTIFY ENGINEER IF IN–FIELD CONDITIONS CHANGE, ARCHITECTURAL OR SITE PLAN DETAILS WILL CREATE CONFLICTS WITH DRAINAGE DESIGN SHOWN, POTENTIAL EROSION PROBLEMS ARISE OR STANDING WATER OCCURS.
11. ALL ELEVATIONS SHOWN HEREON REFER TO N.A.V.D. 1988 TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY CAULFIELD & WHEELER, INC. (561) 392–1991.
12. ALL DRAINAGE PIPE SHOWN AS R.C.P. SHALL BE REINFORCED CONCRETE PIPE CLASS III, WALL "B" AND CONFORMING TO FLORIDA DEPT. OF TRANSPORTATION SPECIFICATIONS.
13. CONTRACTOR SHALL PROVIDE ADEQUATE EQUIPMENT FOR THE REMOVAL OF STORM, SURFACE AND/OR SUBSURFACE WATER WHICH MAY ACCUMULATE IN THE EXCAVATION AREAS SO THAT IT WILL BE SUITABLY DRY FOR WORK REQUIRED.
14. NO OFF–SITE DISCHARGE FROM DEWATERING OPERATIONS SHALL BE PERMITTED UNLESS THE CONTRACTOR SECURES WRITTEN PERMISSION FROM THE GOVERNING AUTHORITIES.
15. ALL SUB–BASE UNDER ROADWAYS, PARKING LOTS, CURBS, ETC. SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T–180 PROCTOR.
16. WHERE ENCOUNTERED (OR SPECIFIED IN THE GEOTECHNICAL REPORT), MUCK/UNSUITABLE MATERIALS SHALL BE COMPLETELY REMOVED FROM PROPOSED PAVING AND BUILDING AREAS 10 FEET BEYOND THE EDGE OF PAVEMENT/BUILDING PAD EACH SIDE.
17. OWNER TO PROVIDE TEST REPORTS FROM AN INDEPENDENT LABORATORY FOR PROCTORS AND DENSITIES ON BASE, SUBGRADE AND PIPE BACKFILL.
18. OWNER IS RESPONSIBLE FOR PROVIDING COMPLETE PAVING AND DRAINAGE, WATER AND SEWER CONSTRUCTION RECORD INFORMATION TO THE ENGINEER.
19. CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO OBSERVE:
   A. STORM SEWER AFTER GROUTING AND WHEN BACKFILL IS COMPLETED TO THE MIDPOINT OF THE PIPE.
   B. STRINGLINING OF SUBGRADE.
   C. STRINGLINING/BOARDING OF BASE.
20. THE CONTRACTOR SHALL FILL AND FINE GRADE ALL PLANTING AREAS, LEAVING THE FINISHED GRADE SMOOTH AND READY TO RECEIVE SOD OR OTHER PLANTING MATERIAL. WHERE SOD IS DESIRED, THE FINISHED GRADES SHALL BE TWO (2) INCHES LOWER TO ALLOW FOR THICKNESS OF THE GRASS. SPECIAL ATTENTION SHALL BE GIVEN ALONG EDGE OF PAVEMENT AND SIDEWALKS SO AS NOT TO TRAP WATER.
21. ANY SHELLROCK OR LIMEROCK PAVING BASE INSTALLED WITHIN PLANTING AREAS SHALL BE REMOVED IN ITS ENTIRETY PRIOR TO PLACING PLANTER AREA FILL.
22. ALL SWALE, RIGHT OF WAY AREAS AND YARD AREAS SHALL BE GRADED AND SEEDED OR SODDED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. NO AREAS SHALL BE LEFT BARREN OR SUBJECT TO EROSION.
23. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE TO ALL O.S.H.A. RULES AND FLORIDA LAWS RELATED TO TRENCH SAFETY.
24. CONTRACTOR SHALL ENSURE NO SEDIMENT OR DEBRIS LEAVES THE SITE DURING CONSTRUCTION IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS (SILT FENCE, HAY BALES OR SOD APRONS AT INLETS, WASH ROCK EXIT, ETC. MAY BE REQUIRED TO MEET SAID REQUIREMENTS). CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION, IMPLEMENTATION AND CERTIFICATION OF ALL N.P.D.E.S. POLLUTION PREVENTION RELATED MEASURES (i.e. FILING OF AN N.O.I. POLLUTION PREVENTION PLAN MONITORING REPORTS, ETC.)
25. CONTRACTOR SHALL REFER TO LANDSCAPE PLANS FOR PLANTING AND BERMING REQUIREMENTS AND NOTIFY ENGINEER OF ANY CONFLICTS WITH THIS PLAN.
26. ALL DRAINAGE SYSTEMS SHALL BE PUMPED DOWN TO ONE–THIRD OF THE DIAMETER OF THE PIPE FROM THE INVERT AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTION.
27. PAVEMENT MARKINGS & SIGNING SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. FOR STREETS & HIGHWAYS & P.B.C. TYPICAL T–P–18.
28. REFER TO SITE PLAN PREPARED BY COTLEUR & HEARING FOR ADDITIONAL INFORMATION (561) 747–6336.

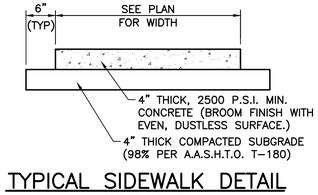
DENSITY TESTING REQUIREMENTS:

A. PIPE TRENCHES SHALL BE TESTED AT RANDOMLY SELECTED LOCATIONS ALONG THE LENGTH OF EACH PIPE RUN WITHIN EACH 300' INTERVAL (MAXIMUM) AND BETWEEN EACH SET OF TWO STRUCTURES IF A PIPE RUN SEPARATING THE TWO IS LESS THAN 300' IN LENGTH.
B. ALL PIPE AND STRUCTURE TRENCHES SHALL BE BACKFILLED USING A MAX. OF 12" LIFTS. ALL BACKFILL MATERIAL SHALL BE CLEAN, DRY STRUCTURAL FILL, WITH NO DELETERIOUS OR ORGANIC MATERIAL PRESENT.
C. AT LEAST ONE TEST SHALL BE PERFORMED FOR EVERY 12" OF DEPTH, STARTING AT THE SPRINGLINE OF THE PIPE, COVERING THE 12" LAYER BELOW THE SPRINGLINE OF THE PIPE.
D. TESTS SHALL BE PERFORMED AT EVERY STRUCTURE BEGINNING AT THE BASE OF THE STRUCTURE (COVERING THE 12" BELOW THE BASE OF THE STRUCTURE) WITH ONE TEST FOR EVERY 12" LIFT. TESTS SHALL ALTERNATE FROM CORNER TO CORNER OR FROM SIDE TO SIDE AROUND THE STRUCTURE WITH EACH 12" LIFT.
E. ALL DENSITY TESTS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER, LICENSED IN THE STATE OF FLORIDA.
F. DENSITY TESTING SHALL BE PERFORMED AT ALL LOCATIONS IN THE ROAD RIGHT OF WAY WHERE THERE IS LESS THAN 36" COVER ON UTILITY MAINS AS WELL AS WHERE THERE IS LESS THAN 12" OF VERTICAL SEPARATION BETWEEN UTILITY MAINS, INCLUDING STORM DRAINAGE.

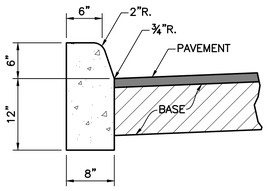
NOTE: ALL TESTS AND LOCATIONS ARE SUBJECT TO REVIEW BY REPRESENTATIVES OF OUR OFFICE AND ADDITIONAL TESTS MAY BE REQUIRED BASED ON FIELD OBSERVATIONS OF CONSTRUCTION TECHNIQUES OR MATERIALS USED ON SITE.



RAISED SIDEWALK DETAIL
NOT TO SCALE



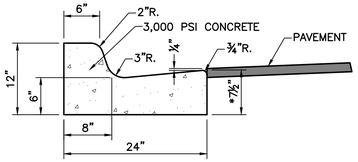
TYPICAL SIDEWALK DETAIL
NOT TO SCALE



TYPE "D" CURB
NOT TO SCALE

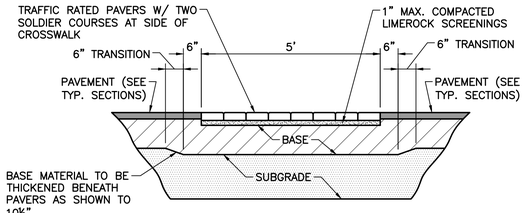
SIDEWALK NOTES:

1.) SIDEWALK TO BE 4" THICK, PORTLAND CEMENT CONCRETE, MINIMUM 3,000 P.S.I. @ 28 DAYS.
2.) SIDEWALK TO BE BROOM FINISHED WITH EVEN DUSTLESS SURFACE.
3.) SUBGRADE TO BE A MINIMUM 4" OF CLEAN SAND OR SANDY LOAM, COMPACTED TO 98% PER A.A.S.H.T.O. T–180, FULL WIDTH.
4.) TYPE "A" EXPANSION JOINTS (½" WITH PREFORMED JOINT FILLER PER F.D.O.T. STANDARD INDEX #310) SHALL BE LOCATED WHERE NEW CONCRETE MEETS EXISTING CONCRETE ON DRIVEWAYS.
5.) TYPE "B" (½" TOOLED JOINTS) OR TYPE "D" (⅜" SAWCUT JOINTS) PER F.D.O.T. STANDARD INDEX #310 SHALL BE LOCATED AT 5' O.C.



***NOTE:** WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS–SLOPE OF THE GUTTER SHALL MATCH THE CROSS–SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS

TYPE "F" CURB
NOT TO SCALE



BRICK PAVER IN VEHICLE AREA DETAIL
NOT TO SCALE

NOTE:

THE CROSS SECTION SHALL ALSO BE USED IN THE PAVER PATIO AREA BETWEEN THE PROPOSED PAVILION & STAGE. SEE PLAN SHEET FOR LOCATION.

PAVEMENT SPECIFICATIONS:

SURFACE: 1¾" A.C.S.C. TYPE S–3 (CONSTRUCT FIRST LIFT = 1" & FINAL LIFT = ¾")

BASE: 8" BASE MATERIAL IN ACCORDANCE WITH F.D.O.T. STANDARDS (CONSTRUCT IN 2 EQUAL LIFTS). PRIMED WITH RC–70 @ 0.10 GAL./SQ. YARD.

SUBGRADE: 12" GRANULAR MATERIAL, COMPACT TO 98% PER A.A.S.H.T.O. T–180.

NOTE: BASE MATERIAL TO BE THICKENED TO 10½" BENEATH BRICK PAVER CROSSWALK AREA. SEE BRICK PAVER CROSSWALK DETAIL, THIS SHEET.

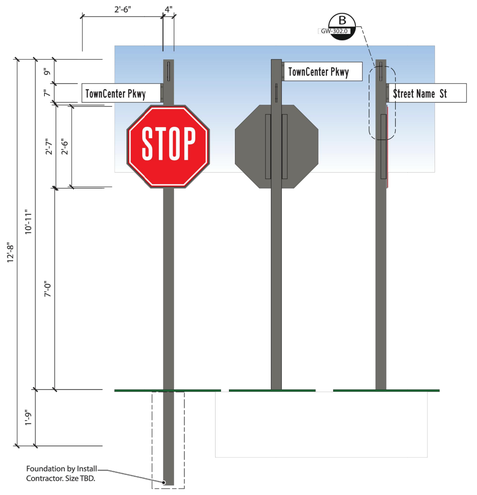
VEHICLE RATED CONCRETE:

SURFACE: 6" 4,000 PSI CONCRETE

SUBGRADE: 12" GRANULAR MATERIAL, COMPACT TO 98% PER A.A.S.H.T.O. T–180.

NOTE: VEHICLE RATED CONCRETE SHALL BE JOINTED IN ACCORDANCE W/DETAILS ON SHEET 7 & CONCRETE SUPPLIER RECOMMENDATIONS.

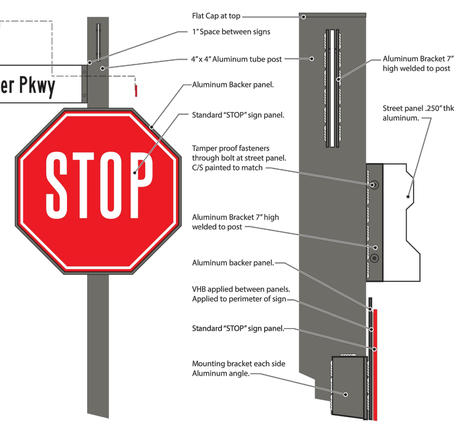
General Street Signs - To use aluminum tube columns , alum backer panels , mounting angles and mounting brackets. All fabricated and welded to column and painted one color.
Street panels - 7" x 30" x 1/4" aluminum painted one color. Include reflective vinyl and copy Traffic Signs - Aluminum Standard size panels and graphics decorated with reflective vinyl Aluminum Backer - Cut to match shape of traffic sign with 1/2" exposed perimeter, PTM column.
Color - Toffee - 10510-81101A



1 Front Elevation (GW-302.0) Scale: 1/2"= 1'

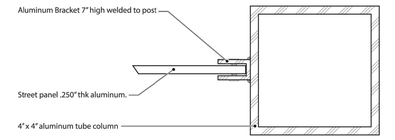
3 Rear View (GW-302.0) Scale: 1/2"= 1'

2 Side View (GW-302.0) Scale: 1/2"= 1'

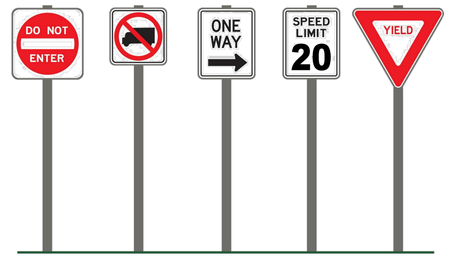


4 Enlarged View (GW-302.0) Scale: 1"= 1'

B Typical View (GW-302.0) Scale: 3"= 1'



3 Section Detail (GW-302.0) Scale: Half Size



4 Typical Street Sign Elevations (GW-302.0) Scale: 1/2"= 1'

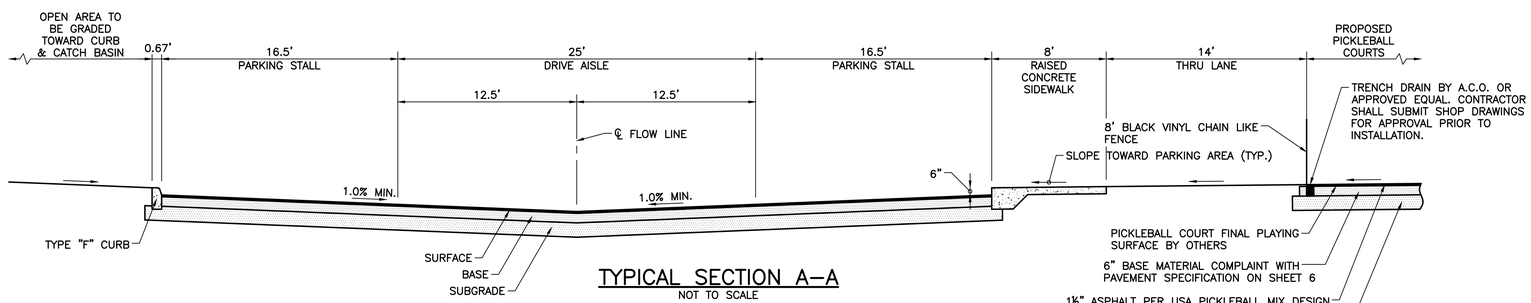
General Street Signs - To use aluminum tube columns , alum backer panels , mounting angles and mounting brackets. All fabricated and welded to column and painted one color.

Traffic Signs - Aluminum Standard size panel and graphics decorated with reflective vinyl

Aluminum Backer - Cut to match shape of traffic sign with 1/2" exposed perimeter, PTM columns.

NOTE: Refer to Sheet GW-302.0 for construction details.

Developer to determine what signs are required or desired for development.



TYPICAL SECTION A–A
NOT TO SCALE

6/16/2020

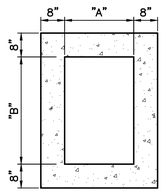
REVISIONS

SIMMONS & WHITE
ENGINEERING | PLANNING | CONSULTING | SINCE 1982
Authorization No. 3452
2581 Metrocentre Blvd West ● Suite 3 ● West Palm Beach, Florida 33407 ● (561) 478–7848

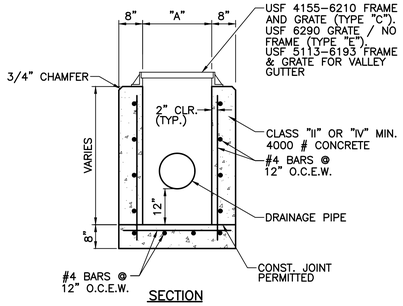
DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

CRESSWIND PALM BEACH CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
PAVING AND DRAINAGE DETAILS

JOB NO.	DRAWING NO.	SHEET	OF
18–150(0)	18150(0)P05	5	8



PLAN



SECTION

TYPE INLET	DIMENSIONS	
	"A"	"B"
C	2'-0"	3'-1"
E	3'-0"	4'-6"

STANDARD TYPE "C"&"E" INLET

NOT TO SCALE

INLET AND MANHOLE NOTES:

1.) ALL EXPOSED CORNERS AND EDGES SHALL BE CHAMFERED ¾".

2.) INLETS AND MANHOLES SHALL BE PRECAST CLASS "II" OR "IV" 4,000 P.S.I. CONCRETE.

3.) FRAMES AND GRATES SHALL BE CAST IRON AND IN ACCORDANCE WITH F.D.O.T. SPECIFICATIONS.

4.) REINFORCING STEEL SHALL CONFORM TO A.S.T.M. 615 GRADE 60.

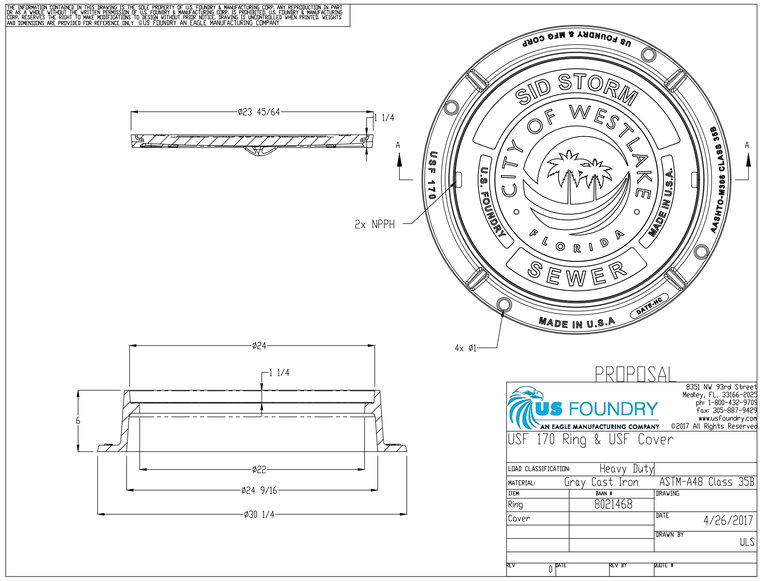
5.) INLET GRATES SHALL BE U.S. FOUNDRY DWG. OR EQUAL. (U.S.F. 4155-6210 TYPE "C", U.S.F. 5113-6193 VALLEY GUTTER, U.S.F. 6290 TYPE "E") TYPE "E" GRATE CAST IN TWO SECTIONS.

6.) SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER.

7.) AS AN ALTERNATE, PRECAST CIRCULAR (MANHOLES) MAY BE FURNISHED IN ACCORDANCE WITH F.D.O.T. STANDARD INDEX #200 WITH WALLS AND REINFORCEMENT IN ACCORDANCE WITH A.S.T.M. C-478 SPECIFICATIONS, EXCEPT THAT MINIMUM WALL THICKNESS SHALL BE 5".

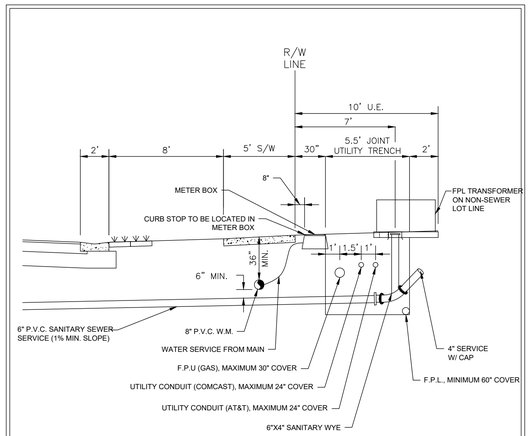
8.) GRATES SHALL HAVE LOCKING CHAINS IN ACCORDANCE WITH F.D.O.T. STANDARD INDEX #201, OR AN APPROVED ALTERNATE SECURING MECHANISM.

9.) ALL "C" AND "E" INLETS SPECIFIED IN GRASSED AREAS SHALL BE STANDARD TYPE "C" & "E" INLETS HAVING CONCRETE COLLARS. ALL INLETS IN GRASSED AREA AND ADJACENT TO GRASSED AREAS SHALL BE PROTECTED FROM SCOUR BY INSTALLATION OF A 4' WIDE PERIMETER APRON OF SOD. ADDITIONALLY ALL INLET GRATES SHALL BE WRAPPED WITH FILTER CLOTH DURING CONSTRUCTION.



STORM WATER MANHOLE COVER DETAIL

NOT TO SCALE



REVISED AUGUST 2018.

NOTES:

1. BACKFILL TO BE COMPACTED TO 98% RELATIVE DENSITY IN ACCORDANCE WITH AASHTO T-180.
2. AT&T, COMCAST, FPU, AND FPL IS REQUIRED TO COORDINATE A GROUP PRECONSTRUCTION MEETING WITH THE SEMINOLE IMPROVEMENT DISTRICT AT LEAST TWO (2) WEEKS PRIOR TO UNDERGROUND UTILITY INSTALLATION.

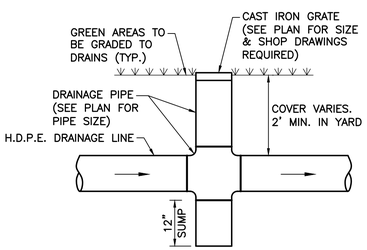
LATEST REVISION DATE : 10/11/18 — NOT TO SCALE

FARNER BARLEY AND ASSOCIATES, INC. — ENGINEERS, SURVEYORS, PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ◇ Wildwood, Florida 34785 ◇ (352) 748-3126

SEMINOLE Improvement District

TYPICAL UTILITY TRENCH

TR-1

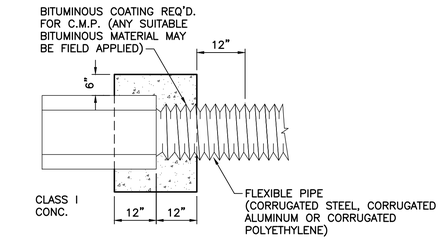


* MATERIAL & PRODUCTS BY ADS OR APPROVED EQUAL

INLINE YARD DRAIN DETAIL

NOT TO SCALE

RISER TO BE INSTALLED INITIALLY AS SHOWN WITH RISER EXTENDING ABOVE FINISHED GRADE. AFTER INLET IS BUILT AND OTHER CONSTRUCTION IS SUBSTANTIALLY COMPLETE, THE RISER IS TO BE CUT TO PROPER FINISH LENGTH.



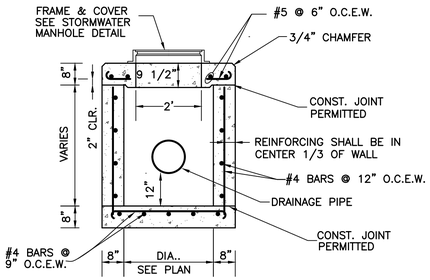
NOTE: COST OF CONCRETE AND BITUMINOUS COATING TO BE INCLUDED IN CONTRACT UNIT PRICE FOR EITHER NEW PIPE OR MITERED END SECTION. A CONCRETE JACKET SHALL NOT BE USED TO JOIN:

(A) METAL PIPE OF DISSIMILAR MATERIALS

(B) FLEXIBLE PIPE WHEN THE MINIMUM COVER REQUIRED IN ACCORDANCE WITH INDEX NO. 205 CANNOT BE OBTAINED.

CONCRETE COLLAR FOR CONNECTING DISSIMILAR TYPES OF PIPE & CONCRETE PIPES WITH DISSIMILAR JOINTS

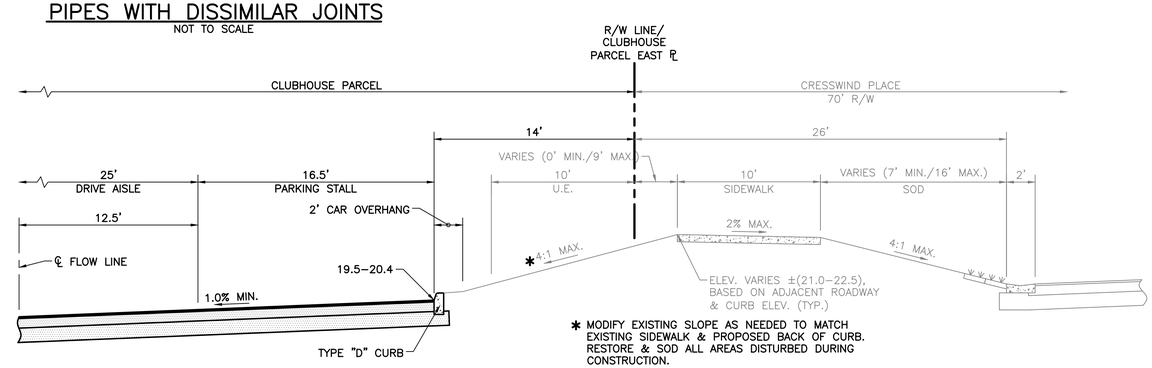
NOT TO SCALE



SECTION

STANDARD MANHOLE

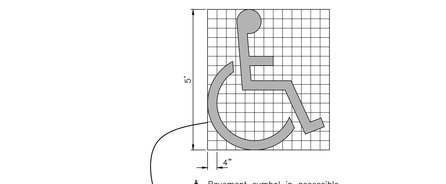
NOT TO SCALE



* MODIFY EXISTING SLOPE AS NEEDED TO MATCH EXISTING SIDEWALK & PROPOSED BACK OF CURB. RESTORE & SOD ALL AREAS DISTURBED DURING CONSTRUCTION.

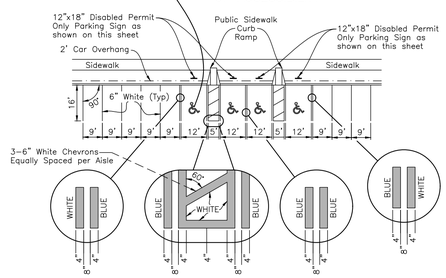
TYPICAL SECTION B-B

NOT TO SCALE



♿ Pavement symbol in accessible parking spaces shall be 5' high and white in color.

UNIVERSAL SYMBOL OF ACCESSIBILITY



NOTES:
1. Dimensions are to the centerline of markings.
2. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
3. Blue pavement markings shall be tinted to match hade 15180 of Federal Standards 595a.

TYPICAL PARKING SPACES

NOT TO SCALE

6/16/2020

1.) ADDED TYPICAL PARKING SPACES DETAIL, 06/16/20 D.B.

REVISIONS

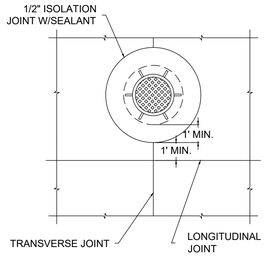
SIMMONS & WHITE
ENGINEERING | PLANNING | CONSULTING | SINCE 1982
Authorization No. 3452
2581 Metrocentre Blvd West ● Suite 3 ● West Palm Beach, Florida 33407 ● (561) 478-7848

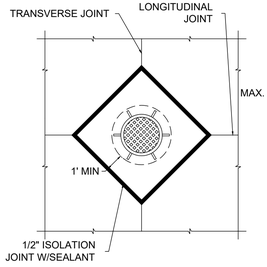
DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

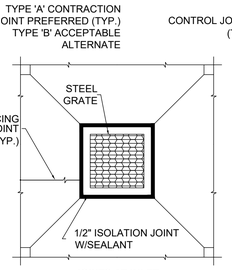
CRESSWIND PALM BEACH CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
PAVING AND DRAINAGE DETAILS

JOB NO.	DRAWING NO.	SHEET	OF
18-150(0)	18150(0)P06	6	8

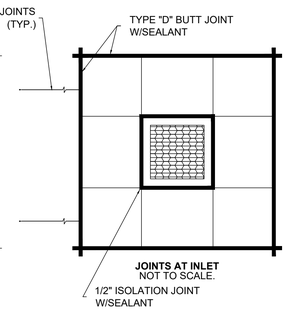
Y:\AUTOCAD_FILES\2018\18-150O\CONCTRUCTION\18150(O)P05-07_PDD.dwg 6/16/2020 4:18 PM Brandon Longo



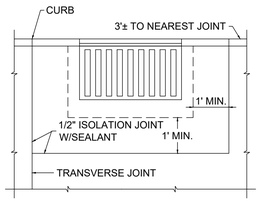


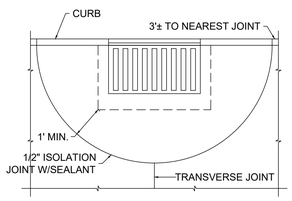


JOINTS AT INLET
NOT TO SCALE.

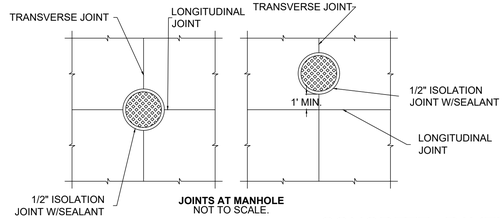


JOINTS AT INLET
NOT TO SCALE.

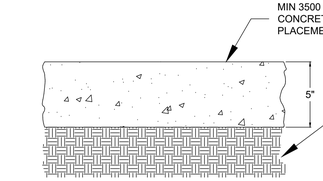




JOINTS AT INLETS
NOT TO SCALE.



JOINTS AT MANHOLE
NOT TO SCALE.



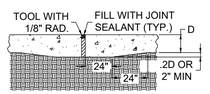
PORTLAND CEMENT CONCRETE PAVEMENT

NOT TO SCALE.

UNREINFORCED PAVEMENT TO BE CONSTRUCTED AND JOINTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND GUIDELINES OF ACI 330R-08

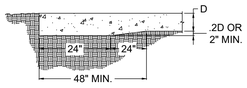
CONCRETE PAVEMENT NOTES:

1. USE ACI OR FC&PA CERTIFIED FLATWORK FINISHER
2. REFERENCE ACI 330R-08 GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS
3. REFERENCE ACI 330.1-94 STANDARD SPECIFICATION FOR PLAIN CONCRETE PARKING LOTS
4. ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.
5. PREPARE THE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR RIGID PAVEMENTS. SUBGRADE SOIL DENSITY TESTING MUST BE COMPLETED AND VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
6. IMPORTED SOIL USED FOR BACK FILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL GREATER THAN 1½" IN DIAMETER IN ORDER TO ACHIEVE ADEQUATE COMPACTION AROUND ANY FIXED OBJECT IN GROUND. ALTERNATE WILL BE TO USE FLOWABLE FILL.
7. LAY OUT CONTROL JOINTS BY STARTING WITH ANY DRAINAGE INLET WITHIN THE PAVEMENT SECTION AND WORK TOWARD EDGE OF PAVEMENT
8. KEEP ALL JOINTS CONTINUOUS
9. CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 4 TO 12 HOURS FROM TIME OF PLACEMENT; MAXIMUM SPACING SHALL BE 12 1/2 FEET APART
10. CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VISQUEEN AND BURLAP

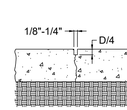


TYPE 'D' BUTT JOINT
NOT TO SCALE.

ISOLATION JOINT FOR PAVEMENTS LESS THAN 8" THICK.

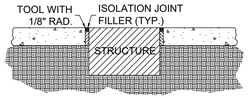


THICKENED EDGE
NOT TO SCALE.



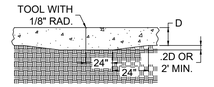
TYPE 'A' UNDOWELED CONTRACTION (CONTROL) JOINT
NOT TO SCALE.

UNDOWELED TRANSVERSE CONTRACTION OR LONGITUDINAL JOINT, SAWED OR PRE-MOLDED. DO NOT DOWEL PAVEMENTS LESS THAN 7" THICK



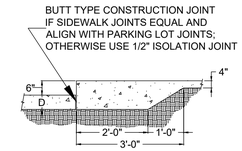
STRUCTURE ISOLATION JOINT
NOT TO SCALE.

ISOLATION JOINT FOR PAVEMENTS LESS THAN 8" THICK.



TYPE 'C-1' BUTT JOINT (CONSTRUCTION JOINT)
NOT TO SCALE.

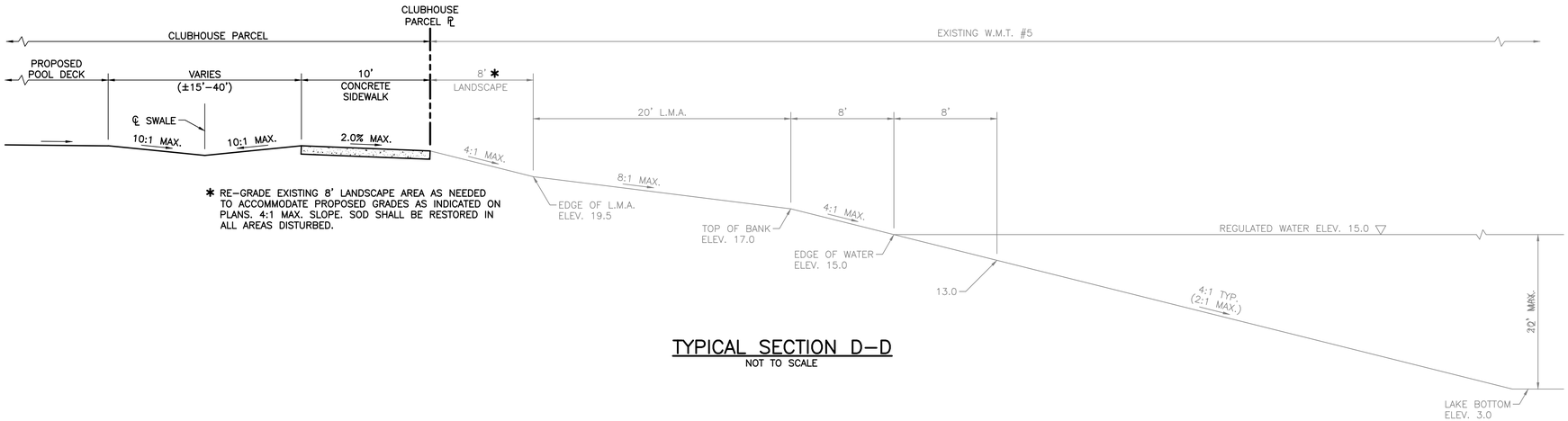
IN LIEU OF THICKENING EDGES, OVERALL PAVEMENT THICKNESS MAY BE INCREASED AS FOLLOW: 6 INCHES OR LESS, ADD 0.5 INCH. MORE THAN 6 INCHES, ADD 1 INCH.



SIDEWALK/CURB
NOT TO SCALE.

CONCRETE PAVEMENT DETAILS AND SPECIFICATIONS

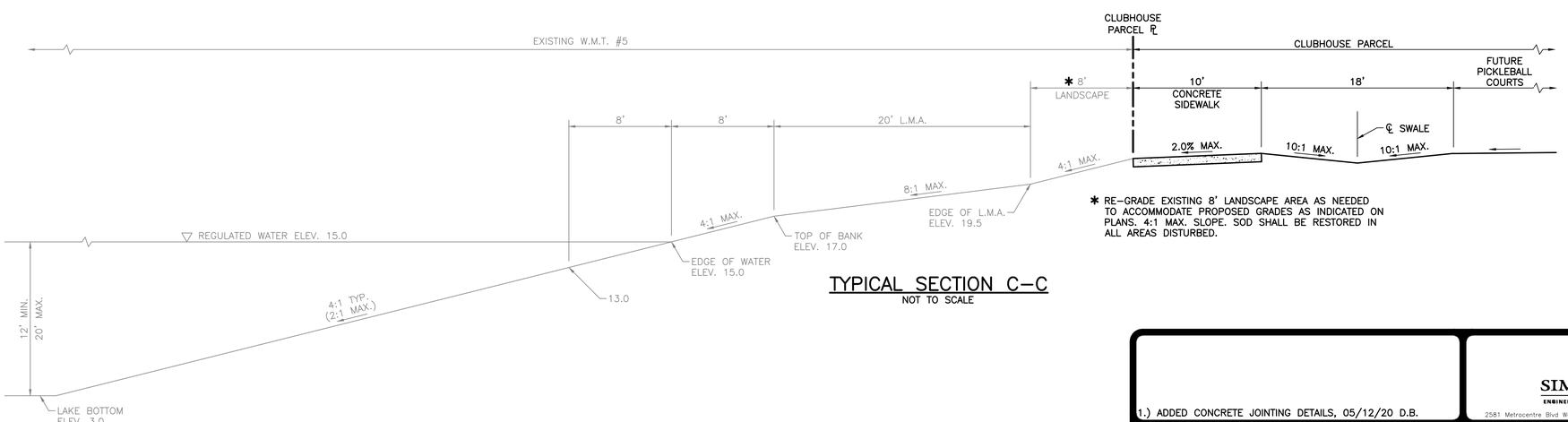
NOT TO SCALE



✱ RE-GRADE EXISTING 8' LANDSCAPE AREA AS NEEDED TO ACCOMMODATE PROPOSED GRADES AS INDICATED ON PLANS. 4:1 MAX. SLOPE. SOD SHALL BE RESTORED IN ALL AREAS DISTURBED.

TYPICAL SECTION D-D

NOT TO SCALE



✱ RE-GRADE EXISTING 8' LANDSCAPE AREA AS NEEDED TO ACCOMMODATE PROPOSED GRADES AS INDICATED ON PLANS. 4:1 MAX. SLOPE. SOD SHALL BE RESTORED IN ALL AREAS DISTURBED.

TYPICAL SECTION C-C

NOT TO SCALE

6/16/2020

1.) ADDED CONCRETE JOINTING DETAILS, 05/12/20 D.B.

REVISIONS

SIMMONS & WHITE
ENGINEERING | PLANNING | CONSULTING | SINCE 1982
Authorization No. 3452
2581 Metrocentre Blvd West ● Suite 3 ● West Palm Beach, Florida 33407 ● (561) 478-7848

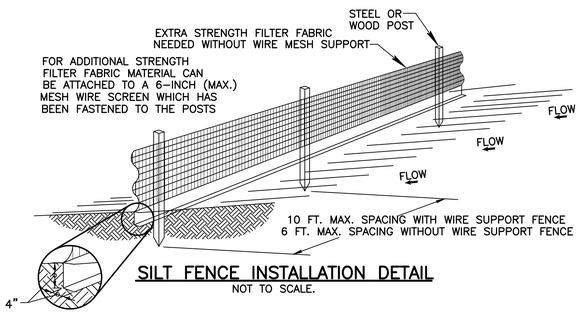
CRESSWIND PALM BEACH
CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
PAVING AND DRAINAGE DETAILS

DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

JOB NO.	DRAWING NO.	SHEET	OF
18-150(0)	18150(0)P07	7	8

POLLUTION PREVENTION NOTES:

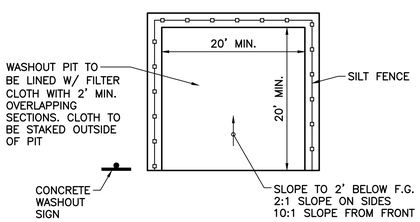
1.) THIS PLAN SHOULD BE USED AS A GUIDE, A COMPLETE STORMWATER POLLUTION PLAN SHALL BE DEVELOPED BY THE CONTRACTOR TO MEET OR EXCEED F.D.E.P. REQUIREMENTS.
2.) CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO DIRT BE TRACKED OFF-SITE OR LEAVES THE SITE BY WIND, RUNOFF, OR OTHER MEANS.
3.) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL N.P.D.E.S. REQUIREMENTS INCLUDING FILING OF N.O.I., MONITORING REPORTS AND N.O.T.
4.) POLLUTION PREVENTION MEASURES SHALL CONSIST OF, BUT NOT LIMITED TO, THE FOLLOWING:
A. CONSTRUCT WASHROCK PAD AT ALL POINTS EGRESS FOR WASHDOWN OF TRUCK TIRES.
B. CONSTRUCT EROSION CONTROL FENCE AND/OR TURBIDITY SCREENS ALONG PROPERTY LINES AS NEEDED.
C. NO AREA SHALL BE LEFT BARREN OR SUBJECT TO EROSION DURING CONSTRUCTION. SEEDING AND MULCHING IS REQUIRED FOR ANY AREAS ANTICIPATED TO BE BARREN DURING CONSTRUCTION FOR MORE THAN 15 DAYS.
D. TURBIDITY BARRIERS TO BE UTILIZED AT PROJECT OUTFALL.
E. OTHER MEASURES AS DIRECTED BY THE ENGINEER OR THE CITY OF WESTLAKE.
5.) IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL POLLUTION PREVENTION REQUIREMENTS. FOR AFFECTED AREAS GREATER THAN 1 ACRE, COMPLIANCE SHALL INCLUDE (BUT IS NOT LIMITED TO) THE FOLLOWING:
A. PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) IN ACCORDANCE WITH THE D.E.P. "GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES" (D.E.P. DOCUMENT NO. 62-621.300(4)(A))
B. SUBMITTAL OF THE NOTICE OF INTENT (N.O.I.) TO THE D.E.P.
C. MAINTENANCE AND INSPECTION OF THE ELEMENTS OF THE S.W.P.P.P.
D. MAINTENANCE OF RECORDS (INSPECTION REPORTS, N.O.I, S.W.P.P.P., ETC.)
E. SUBMITTAL OF THE NOTICE OF TERMINATION TO THE D.E.P. AT THE CONCLUSION OF THE PROJECT.



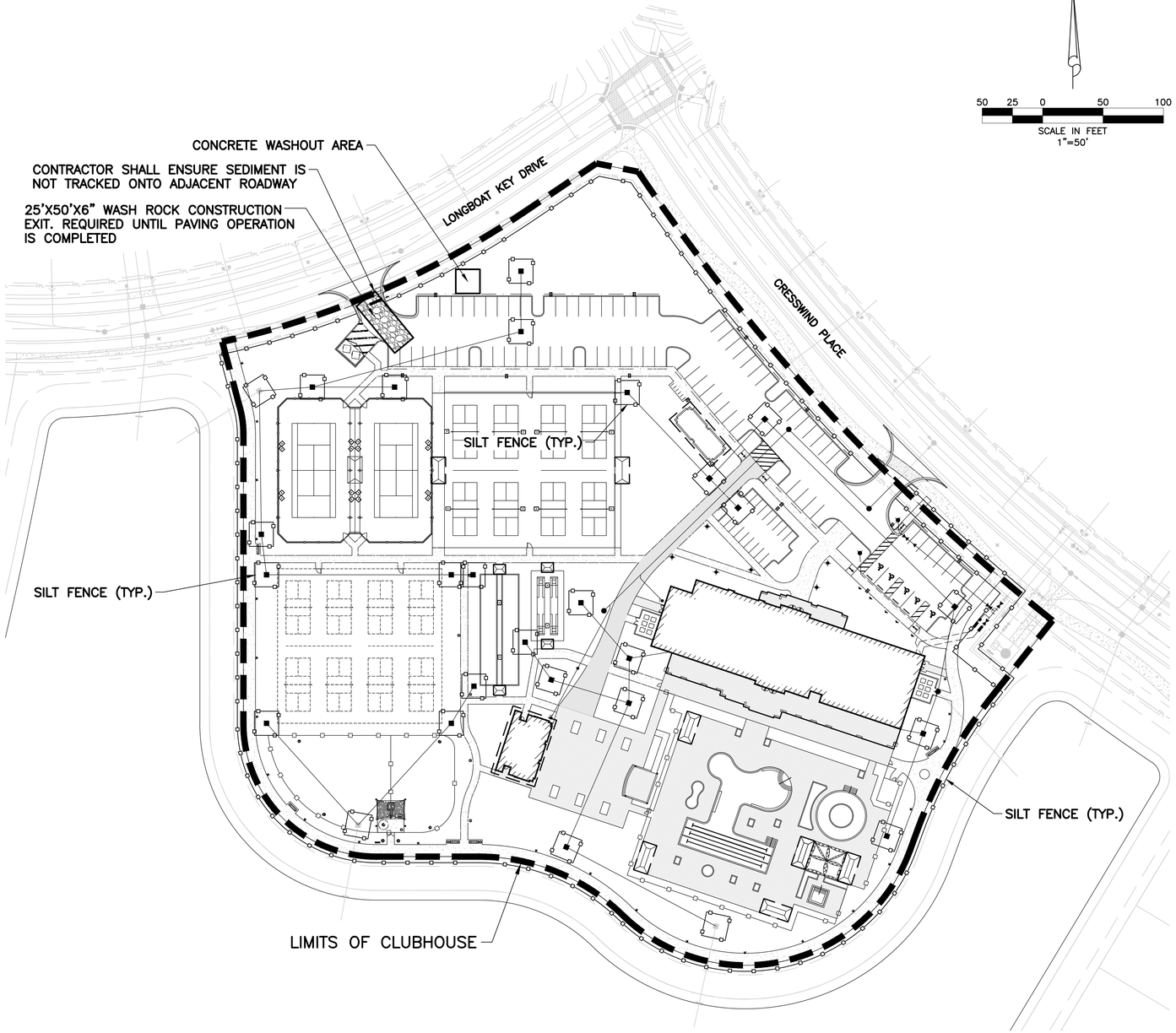
SILT FENCE INSTALLATION DETAIL
NOT TO SCALE.

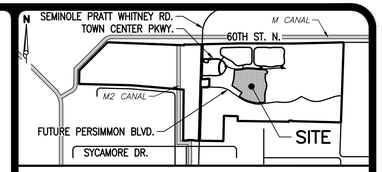
NOTES:

1.) THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
2.) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3.) POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
4.) A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5.) WHEN STANDARD STRENGTH FILTER FABRIC IS USED. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
6.) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
7.) THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

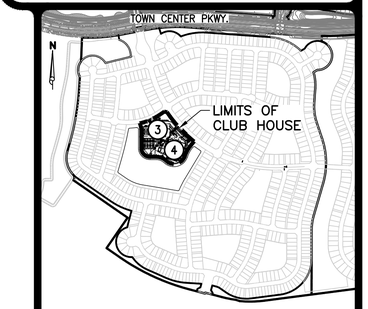


CONCRETE WASHOUT DETAIL
NOT TO SCALE





LOCATION MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

LEGEND

	SILT FENCE
	WASH ROCK
102	LOT NUMBER
	LIMITS OF CLUBHOUSE
L.M.E.	LAKE MAINTENANCE EASEMENT
D.E.	DRAINAGE EASEMENT
U.E.	UTILITY EASEMENT
O.S.T.	OPEN SPACE TRACT
W.M.T.	WATER MANAGEMENT TRACT

6/16/2020

48 HOURS BEFORE DIGGING
BROWARD • PALM BEACH • INDIAN RIVER
ST. LUCIE • MARTIN COUNTIES
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE 1 CALL
UNDERGROUND UTILITIES
NOTIFICATION CENTER

DATUM NOTES:
1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.
2) AN APPROXIMATE CONVERSION BETWEEN THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929 AND N.A.V.D. CAN BE MADE BY ADDING 1.47 TO THE N.A.V.D. ELEVATION TO OBTAIN THE N.G.V.D. ELEVATION.
3.) TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY CAULFIELD & WHEELER, INC. (561) 392-1991 AND WAS RECEIVED ON NOVEMBER 20, 2018.

1.) REVISED BUILDING FOOTPRINT, POOL AREA & PARKING PER SITE PLAN CHANGES & ADDED ADDITIONAL NOTES & DETAILS PER CITY OF WESTLAKE, 06/16/20 D.B.

REVISIONS

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DESIGN	DRAWN	CHECKED	APPROVED	DATE
P.B.	D.B.			

CRESSWIND PALM BEACH CLUBHOUSE
CITY OF WESTLAKE, FLORIDA
POLLUTION PREVENTION PLAN

JOB NO.	DRAWING NO.	SHEET	OF
18-150(0)	18150(0)P08	8	8