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PRELIMINARY SITE PLAN / CONSTRUCTION PLAN

FOR

RACETRAC SERVICE STATION #1151
N.W.C. OF S.R. 54 & MADISON STREET
5923 STATE ROAD 54
NEW PORT RICHEY, PASCO COUNTY, FL, USA

RACETRAC PROJECT NO. 1151
RACETRAC STORE NO. 1151
TAX ID NUMBER: 17-26-16-0000-02900-0030

MASTER PERMIT TRACKING SCHEDULE (*) (**) (***)

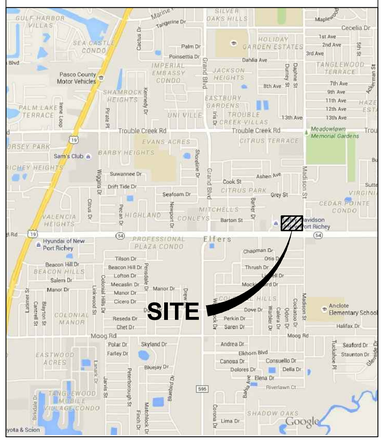
PERMIT #	PERMITTING ENTITY	CONTACT INFORMATION
TBD	TBD	CONTACT NAME : TBD PHONE: (XXX) XXX-XXXX

(*)MODIFY THIS TABLE TO REFLECT ALL APPLICABLE PERMITS REQUIRED FOR CONSTRUCTION. MUST INCLUDE ALL DATES OF APPROVAL AND EXPIRATION.

(**)MODIFY THIS TABLE TO REFLECT ALL RESPONSIBILITIES RELATIVE TO UTILITIES. INFORMATION SHOULD BE SPECIFIC AND MUST BE COMPLETED PRIOR TO COMPLETION OF BID PLAN SET.

(***)THIS SET OF DRAWINGS IS BOTH THE PERMIT AND CONSTRUCTION SET. YOUR PLANS ARE INTENDED TO PROVIDE THE CONTRACTOR WITH TOOLS TO ACCURATELY BID AND BUILD THE PROJECT.

VICINITY MAP NTS



UTILITY RESPONSIBILITY MATRIX FOR THIS PROJECT

CALL BEFORE YOU DIG # : 811 OR (800) 432-4770 — SURVEY UTILITY CALL TICKET # : 225403409

	UTILITY/GOVERNING AGENCIES CONTACTS	CONTRACTOR RESPONSIBILITY	OTHERS RESPONSIBILITY
TELEPHONE	VERIZON 7701 E. TELECOM PARKWAY TEMPLE TERRACE, FL 33637 CONTACT: DAVID WYNNS PHONE: (813) 627-8443	• COORDINATE CONSTRUCTION ACTIVITIES WITH TELEPHONE COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES COMPLETED PRIOR TO CONCRETE OF CURB PLACEMENT • PROVIDE AND INSTALL 2-4" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING FROM RISER POLE UP TO THE BUILDING. • PROVIDE AND INSTALL PULL BOXES AS PER TELEPHONE COMPANY REQUIREMENTS.	• TELEPHONE COMPANY WILL PROVIDE AND INSTALL ALL TELEPHONE CABLES FROM THE POINT OF CONNECTION UP TO THE BUILDING • ANY RELOCATION OF EXISTING WILL BE DONE BY TELEPHONE COMPANY
ELECTRIC	DUKE ENERGY 452 E. CROWN POINT RD. WINTER GARDEN, FL 33787 CONTACT: SHARON DEAR PHONE: (407) 905-3321	• COORDINATE CONSTRUCTION ACTIVITIES WITH ELECTRIC COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES COMPLETED PRIOR TO CONCRETE OF CURB PLACEMENT • PROVIDE AND INSTALL 2-4" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING FROM RISER POLE UP TO THE TRANSFORMER. SCHEDULE 80 PVC CONDUITS SHALL BE USED ON THE RISER POLE AND RIGID METAL, LONG RADIUS, ELBOWS SHALL BE USED WHERE THE UNDERGROUND PORTION MEETS THE RISER POLE AND TRANSFORMER. • CONSTRUCT TRANSFORMER PAD AS PER THE ELECTRIC COMPANY'S SPECIFICATIONS • PROVIDE AND INSTALL ALL SECONDARY SERVICE AND MATERIALS.	• ELECTRIC COMPANY WILL PROVIDE AND INSTALL ALL MATERIALS NEEDED TO ESTABLISH PRIMARY OVERHEAD SERVICE FROM POINT OF CONNECTION AT THE EXISTING LINE UP TO THE TRANSFORMER • ELECTRIC COMPANY WILL PROVIDE AND INSTALL PRIMARY CABLE FOR ALL UNDERGROUND LINES UP TO THE TRANSFORMER [CEC TO STATE RESPONSIBLE PARTIES] • ANY RELOCATION OF EXISTING WILL BE DONE BY TELEPHONE COMPANY
SANITARY SEWER	PASCO COUNTY UTILITIES DEPARTMENT OF PUBLIC WORKS 7530 LITTLE ROAD, STE 230 NEW PORT RICHEY, FL. 34654 CONTACT: GEORGEANN BENNETT PHONE: (727) 847-8040	• PROVIDE AND INSTALL SANITARY SEWER LINE AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATIONS. • ALL PUBLIC AND PRIVATE SANITARY SEWER LINES SHALL BE PVC AND RATED SDR 26 • COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF ANYTOWN DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS.	
WATER	PASCO COUNTY UTILITIES DEPARTMENT OF PUBLIC WORKS 7530 LITTLE ROAD, STE 230 NEW PORT RICHEY, FL. 34654 CONTACT: GEORGEANN BENNETT PHONE: (727) 847-8145	• PROVIDE AND INSTALL ALL WATER MAINS AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATIONS. • ALL PUBLIC AND PRIVATE SANITARY SEWER LINES SHALL BE C-900 PVC, DR14 CLASS 200 • ALL PORTIONS OF THE FIRE PROTECTION WATER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR • ALL PORTIONS OF OTHER NON FIRE PROTECTION RELATED LINES MAY BE INSTALLED BY THE PLUMBING CONTRACTOR • COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF ANYTOWN DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS.	• DOMESTIC TAP FORM THE POINT OF CONNECTION AT THE EXISTING LINE UP TO AND INCLUDING SETTING OF THE METER AT THE PROPERTY LINE WILL BE BY THE WATER COMPANY. ANY RELOCATION OF EXISTING WILL BE DONE BY THE CONTRACTOR
STORM SEWER	PASCO COUNTY PUBLIC WORKS 4454 GRAND BLVD. NEW PORT RICHEY, FL. 34652 CONTACT: MICHAEL J. GARRETT PHONE: (727) 834-3611	• PROVIDE AND INSTALL STORM SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATIONS. • REFER TO GRADING PLAN FOR INFORMATION ON ALLOWABLE STORM SEWER MATERIALS.	

THIS MATRIX HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPURTANCES, TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.

GENERAL NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTION ACCORDING TO AGENCY INSTRUCTION.
2. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING.
3. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER'S CONSTRUCTION MANAGER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO USE ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. CONSTRUCTION MANAGER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY FOR PERFORMANCE OF THE ITEM.
4. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT IS NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY WITH OTHER CONTRACTOR'S AND UTILITY COMPANIES.
5. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
6. CONTRACTOR SHALL REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION.
7. AT LEAST 72 HOURS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE AGENCIES AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE ENGINEER OR WITHOUT AGENCY INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL USE EACH PLAN IN CONJUNCTION WITH THE ENTIRE SET OF DRAWINGS AND JOB SPECIFICATIONS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATING WITH ALL ELECTRICAL, PLUMBING, MECHANICAL, GENERAL TRADES, AND UTILITY COMPANIES AS THEY EFFECT THE OVERALL PROJECT.
9. ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS

SURVEYOR

PEC - SURVEYING AND MAPPING, LLC
DAVID A. WHITE
TITLE OF SURVEYOR
2100 ALAFAYA TRAIL, STE 203
OVIEDO, FL 32765
PHONE: (407) 542-4967

CIVIL ENGINEER

SYCAMORE ENGINEERING, INC.
JD ALSABBAGH, P.E.
PROJECT MANAGER
8370 W. HILLSBOROUGH AVENUE, STE 205
TAMPA, FL 33615
PHONE: (813) 889-0700
FAX: (813) 889-0788

LANDSCAPE ARCHITECT

HARDEMAN - KEMPTON & ASSOCIATES, INC.
PRINCIPAL ENGINEER
TITLE OF ENGINEER
2207 W. NORTH A STREET
TAMPA, FL 33606
PHONE: (813) 258-0066

OWNER/DEVELOPER

RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GEORGIA 30339
ENGINEERING PROJECT MANAGER: ASHLEE HATCHER
(770) 431-7600
CONSTRUCTION PROJECT MANAGER: TBD
(770) 431-7600

CONTACT RACETRAC PETROLEUM, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

SHEET INDEX OF DRAWINGS

SHEET	NAME	BY OTHERS	PLAN DATE	REVISION	PLAN DATE
C-0.0	COVER SHEET		00/00/00	ADDENDUM #1	00/00/00
S-1	BOUNDARY AND TOPOGRAPHIC SURVEY				
GN	GENERAL NOTES				
ES-0	EROSION CONTROL PLAN NOTES				
ES-1	EROSION CONTROL PLAN				
D-1	DEMOLITION PLAN				
C-1.1	OVERALL SITE PLAN				
C-1.2	SITE PLAN				
C-1.3	PAVING PLAN				
C-1.4	HORIZONTAL CONTROL PLAN				
C-2.1	GRADING PLAN				
C-2.2	DRAINAGE PLAN				
C-2.3	STORM WATER SECTIONS & PROFILES				
C-3.1	COMPOSITE UTILITY PLAN				
C-3.2	UTILITY PROFILES				
C-3.3	UTILITY DETAILS				
C-3.4	LIFT STATION DETAIL				
SL-1	SITE LIGHTING PHOTOMETRIC PLAN				
L-1.1	LANDSCAPE PLAN				
L-1.2	LANDSCAPE DETAILS				
L-1.3	LANDSCAPE SPECIFICATIONS				
L-2.1	IRRIGATION PLAN				
L-2.2	IRRIGATION DETAILS				
L-2.3	IRRIGATION SPECIFICATIONS				
L-1.2	LANDSCAPE DETAILS				
L-3.1	MAINTENANCE SPECIFICATIONS				
L-3.2	MAINTENANCE SPECIFICATIONS B				
SD1	STANDARD DETAILS RACETRAC				
SD2	STANDARD DETAILS RACETRAC				
SD3	STANDARD DETAILS RACETRAC				
SD4	STANDARD DETAILS RACETRAC				
SD5	CONSTRUCTION DETAILS				
SD6	CONSTRUCTION DETAILS				
TS-1	MADISON STREET R.O.W. IMPROVEMENTS				
TS-2	STATE ROAD 54 R.O.W. IMPROVEMENTS				
TS-3	DRIVEWAY CROSS-SECTIONS				

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

SYCAMORE ENGINEERING, INC.
8370 W. Hillsborough Ave., Suite 205
Tampa, FL 33615
Phone: 813.889.0700 email:
Fax: 813.889.0788
greatteam@sycamoreeng.com

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RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

COVER SHEET
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	NTS

DRAWING NAME:
R0907 C-1 COVER.dwg

SHEET NO.	VERSION
C-0.0	

LEGAL DESCRIPTION (AS PROVIDED)

The land referred to herein below is situated in the County of Pasco,State of Florida,and is described as follows:

A PORTION OF THE SE 1/4 OF THE SE 1/4 OF THE SE 1/4 OF SECTION 17, TOWNSHIP 26 SOUTH, RANGE 16 EAST, PASCO COUNTY, FLORIDA, BEING FURTHER DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF SAID SECTION 17; THENCE RUN ALONG THE EAST BOUNDARY LINE OF SAID SECTION 17, NORTH 00°33'01" EAST, A DISTANCE OF 35.00 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 54 FOR A POINT OF BEGINNING; THENCE ALONG SAID NORTHERLY RIGHT- OF-WAY LINE, NORTH 89°38'29" WEST, A DISTANCE OF 535.31FEET; THENCE NORTH 00°29'37" EAST, A DISTANCE OF 250.00 FEET; THENCE SOUTH 89°38'29" EAST, A DISTANCE OF 535.56 FEET TO THE EAST BOUNDARY LINE OF SAID SECTION 17; THENCE ALONG THE EAST BOUNDARY LINE OF SAID SECTION 17,SOUTH 00°33'01" WEST, A DISTANCE OF 250.00 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT THE EAST 30.00 FEET THEREOF FOR ROAD RIGHT-OF-WAY FOR MADISON STREET, AS CONVEYED TO PASCO COUNTY IN OFFICIAL RECORDS BOOK 987,PAGE 1701,OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA.

ALSO LESS AND EXCEPT THE FOLLOWING DESCRIBED LANDS CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FOR ADDITIONAL ROAD RIGHT-OF-WAY FOR STATE ROAD NO. 54,IN OFFICIAL RECORDS BOOK 4269,PAGE 740, OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA:

COMMENCE AT A 127 X 127 MILLIMETER CONCRETE MONUMENT MARKING THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 26 SOUTH, RANGE 16 EAST, PASCO COUNTY, FLORIDA; THENCE SOUTH 00°31" 31" WEST, ALONG THE EAST LINE OF SAID SOUTHEAST 1/4 OF SECTION 17, A DISTANCE OF 786.576 METERS (2,580.63 FEET); THENCE NORTH 89°40'56" WEST, LEAVING SAID EAST LINE, A DISTANCE OF 9.144 METERS (30.00 FEET) TO THE EXISTING WEST RIGHT-OF-WAY LINE OF MADISON STREET AND THE POINT OF BEGINNING; THENCE SOUTH 00°31'31" WEST, ALONG SAID WEST RIGHT-OF-WAY LINE, A DISTANCE OF 9.517 METERS (31.22 FEET) TO THE INTERSECTION OF SAID WEST RIGHT-OF-WAY LINE AND THE EXISTING NORTH RIGHT-OF-WAY LINE OF STATE ROAD NO. 54;THENCE NORTH 89°40'56" WEST, ALONG SAID NORTH RIGHT-OF-WAY LINE, A DISTANCE OF 13.761METERS (45.15 FEET); THENCE NORTH 40°17'24" EAST, LEAVING SAID NORTH LINE, A DISTANCE OF 12.419 METERS (40.74 FEET); THENCE SOUTH 89°40'56" EAST, A DISTANCE OF 5.818 METERS (19.09 FEET) TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION – WRITTEN BY SURVEYOR

A TRACT OF LAND LYING IN THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 17, TOWNSHIP 26 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SAID SECTION 17 FOR A POINT OF REFERENCE; THENCE RUN NORTH 00°31'32" EAST, ALONG THE EAST BOUNDARY LINE OF SAID SECTION 17, A DISTANCE OF 35.00 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 54; THENCE RUN NORTH 89°40'56" WEST, ALONG SAID NORTH RIGHT-OF-WAY, 75.10 FEET TO THE SOUTHWEST CORNER OF THOSE LANDS AS DESCRIBED IN OFFICIAL RECORDS BOOK 4269, PAGE 740, OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA AND THE POINT OF BEGINNING OF THE HEREIN DESCRIBED LANDS; THENCE CONTINUE NORTH 89°40'56" WEST, ALONG SAID NORTH RIGHT-OF-WAY LINE, 460.05 FEET TO THE SOUTH WEST CORNER OF THOSE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 974, PAGE 1081 OF SAID PUBLIC RECORDS; THENCE, DEPARTING SAID NORTH RIGHT-OF-WAY LINE, RUN NORTH 00°23'15" EAST, ALONG THE WEST LINE OF SAID LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 974, PAGE 1081, A DISTANCE OF 249.81 FEET TO THE NORTHWEST CORNER OF SAID DESCRIBED LANDS; THENCE RUN SOUTH 89°41'27" EAST, ALONG THE NORTH LINE OF SAID DESCRIBED LANDS, 505.74 FEET TO THE WESTERLY RIGHT-OF-WAY LINE OF MADISON STREET, CURRENTLY HAVING A RIGHT-OF-WAY WIDTH OF 70.00 FEET; THENCE RUN SOUTH 00°31'32" WEST, ALONG SAID WEST RIGHT-OF-WAY LINE, 218.65 FEET TO THE NORTH LINE OF THE AFORSAID LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 4269, PAGE 740; THENCE RUN ALONG THE FOLLOWING TWO COURSE ALONG SAID NORTH LINE: NORTH 89°58'22" WEST, 19.02 FEET; SOUTH 40°22'55" WEST, 40.69 FEET TO THE POINT OF BEGINNING.

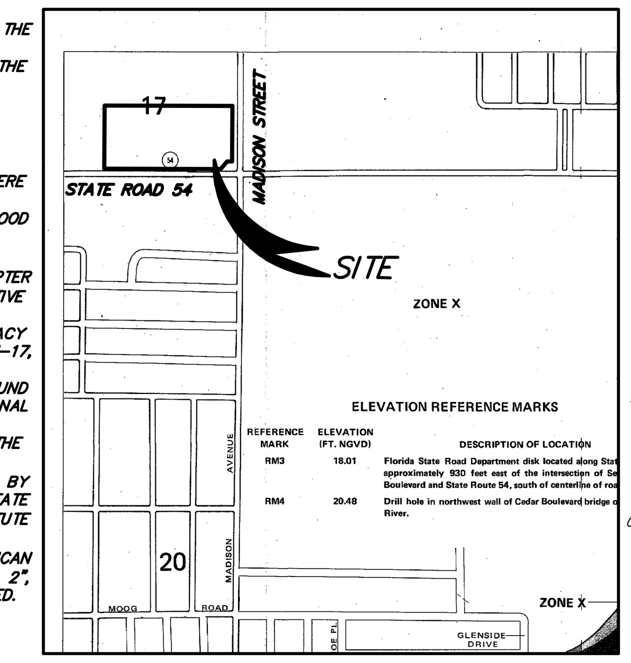
THE ABOVE DESCRIBED TRACT OF LAND LIES IN PASCO COUNTY, FLORIDA AND CONTAINS 2.876 ACRES, MORE OR LESS.

SURVEYOR'S NOTES:

(1) THIS ALTA/ACSM LAND TITLE AND MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY IS NOT VALID UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER IDENTIFIED BELOW.
(2) ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AND ARE BASED ON THE FOLLOWING NGS BENCHMARKS:
ELFER 2 RM 10, LEVATION 60.420'
ELFER 2, ELEVATION 59.950'
(3) BEARINGS SHOWN HEREON ARE ASSUMED RELATIVE TO SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 17-26-16
(4) THE "LEGAL DESCRIPTION" HEREON IS IN ACCORD WITH THE INSTRUMENT OF RECORD FURNISHED BY THE CLIENT.
(5) UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND IMPROVEMENTS WERE LOCATED. UNDERGROUND IMPROVEMENTS, SUCH AS FOUNDATIONS AND UTILITIES, WERE NOT LOCATED.
(6) THE LANDS SHOWN HEREON LIE IN ZONE "X" (UNSHADED), DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 120230 0354 D, MAP REVISED:
(7) THE DELINEATION OF LANDS SHOWN HEREON IS AS PER THE CLIENT'S INSTRUCTIONS.
(8) THE CLASSIFICATION USE OF THE LAND, PURSUANT TO THE MINIMUM TECHNICAL STANDARDS SET FORTH IN RULE CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE, FLORIDA STATUTES 472.027, IS COMMERCIAL/HIGH RISK. THE MINIMUM RELATIVE DISTANCE ACCURACY OF THIS MAP OF BOUNDARY SURVEY ACHIEVES OR EXCEEDS ONE FOOT IN 10,000 FEET.
(9) THE VERTICAL CONTROL ESTABLISHED FOR THIS SURVEY IS BASED ON A CLOSED LEVEL LOOP, HAVING A CLOSURE ACCURACY WHICH MEETS OR EXCEEDS THAT REQUIRED BY THE MINIMUM TECHNICAL STANDARDS SET FORTH IN RULE CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, FLORIDA STATUTES 472.027.
(10) UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND PROFESSIONAL PURVIEW AND SUBJECT TO LEGAL INTERPRETATION.
(11) ADJOINING PARCEL OWNER AND RECORDING INFORMATION DELINEATED HEREON WAS OBTAINED FROM THE COUNTY PROPERTY APPRAISER'S PUBLIC ACCESS SYSTEM.
(12) THE DELINEATION OF THE UNDERGROUND UTILITY LINES DEPICTED HEREON IS BASED ON FIELD LOCATED MARKERS SET BY VARIOUS UTILITY LOCATING SERVICES RESPONDING TO OUR REQUEST FOR UTILITY LOCATIONS MADE THROUGH SUNSHINE STATE ONE-CALL OF FLORIDA, INC. (TICKET NO.:225403409). THE LOCATION OF THESE UNDERGROUND LINES DOES NOT CONSTITUTE A FIELD "AS-BUILT" SURVEY OF THE ENTIRE BELOW GROUND UTILITY INFRASTRUCTURE.
(13) WE HAVE EXAMINED THE FURNISHED COMMITMENT TO INSURE TITLE, FILE NO. 2021-3202646, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, EFFECTIVE DATE: JULY 2, 2014. INSTRUMENTS 9 & 10 INCLUDED IN "SCHEDULE B, SECTION 2", OF THE COMMITMENT HAVE BEEN EXAMINED AND ARE REFLECTED HEREON TO THE EXTENT THEY AFFECT THE LANDS SURVEYED.
ITEMS 9 & 10 DO NOT AFFECT THE SUBJECT PROPERTY AS CURRENTLY CONFIGURED.

ALTA/ACSM CERTIFICATION: (2011)
TO: RACETRAC PETROLEUM, INC. AND FIDELITY NATIONAL TITLE INSURANCE COMPANY.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2011, AND INCLUDES ITEMS 1,2,3,4,5,6(a),7(a),8,9,10(a),11a,12,14,16,17,18,19 OF TABLE "A" THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION.



FEMA FIRM MAP # 120230 0365 D
VICINTY MAP
NOT TO SCALE

DATE	BY	REVISIONS
06-26-15	T.W.B.	ADD SUPPLEMENTAL TOPOGRAPHIC DATA, MOST NOT VISIABLE ON SURVEY, BUT IN THE CAD FILE
09-29-14	T.W.B.	REVISE SURVEYOR'S NOTE #13 AND ADD METES AND BOUNDS LEGAL DESCRIPTION

PEC | SURVEYING AND MAPPING, LLC
CERTIFICATE OF AUTHORIZATION NUMBER LB 7808
2100 Alafaya Trail, Suite 203 • Oviedo, Florida 32765 • 407-542-4967
WWW.PECONLINE.COM

MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY
LOCATED IN
SECTION 17, TOWNSHIP 26 SOUTH, RANGE 16 EAST
PASCO COUNTY, FLORIDA

TRACY W. BIRCH, P.S.M. FL. REG. NO. 5579
DAVID A. WHITE, P.S.M. FL. REG. NO. 4044

JOB NO.:	14-105
DATE:	8-16-17
DRAWN BY:	T.W.B
CHECKED BY:	D.A.W
F.B.	2117
PAGE(S)	1-23

O:\14-105 RaceTrac New Port Richey\14-105.dwg Jun 30, 2015 - 12:25pm

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GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS DEPICTED HEREON BASED UPON NGS BENCHMARKS: ELFER 2 RM 10, ELEVATION 60.420' (NAVD 88) AND ELFER 2, ELEVATION 59.950' (NAVD 88).
2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT.
5. ALL UNDERGROUND UTILITIES MUST BE IN PLACE AND TESTED OR INSPECTED PRIOR TO ROAD BASE AND SURFACE CONSTRUCTION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTION ACCORDING TO AGENCY INSTRUCTIONS.
7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRE-CAST AND MANUFACTURED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
9. ALL WATER LINES AND SANITARY SEWER LINES ARE PVC UNLESS OTHERWISE NOTED AND SPECIFIED ON PLAN.
10. ALL SIDEWALKS TO BE A MINIMUM 3,000 PSI CONCRETE AND 4" THICK AND SHALL BE REINFORCED WITH 1.4 x 1.4 W.W.M UNLESS SPECIFIED AND NOTED ON PLAN DIFFERENTLY.
11. SIGNS AND BARRICADES TO BE ACCORDING TO FDOT MANUAL OF SAFE PRACTICES; REFERENCE FDOT INDEXES 600 THRU 650 AND 17349 PER ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD RIGHT OF WAY LINES, BENCHMARKS (ELEV.), COORDINATES, CENTER LINES AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
13. ALL PIPES TO BE CONSTRUCTED WITH 3' MINIMUM COVER UNLESS OTHERWISE NOTED ON THE PLANS.
14. ALL ROCKS OR STONES LARGER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN 1-FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN 2" IN DIAMETER.
15. ALL WORKMANSHIP AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO FDOT'S "STANDARD SPECIFICATIONS FOR ROADWORK AND BRIDGE CONSTRUCTION", LATEST EDITION, AND THE LATEST PASCO COUNTY STANDARDS, UNLESS OTHERWISE INDICATED.
16. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PUBLIC AGENCY(IES) PRIOR TO COMMENCING WORK WITHIN THEIR JURISDICTION(S).
17. ALL PIPE LENGTHS ARE PLUS OR MINUS. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS. PIPE MEASUREMENTS FOR STRAIGHT ENDWALL END SECTIONS ARE TO END OF PIPE.
18. ALL CONCRETE WORK SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3,000 PSI (28 DAY STRENGTH), UNLESS OTHERWISE INDICATED.

STANDARD PASCO COUNTY NOTES:

1. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH PASCO COUNTY UTILITIES STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES SPECIFICATIONS, LATEST EDITION.
2. ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE OWNED AND MAINTAINED BY THE OWNER-DEVELOPER.
3. INSTALLATION OF FUEL STORAGE TANKS REQUIRES REVIEW AND APPROVAL BY THE FIRE MARSHAL AND THE ISSUANCE OF A SEPARATE BUILDING PERMIT. APPROVAL OF THE SITE PLAN DOES NOT CONSTITUTE APPROVAL OF THE LOCATION OF THE FUEL TANKS.
4. ALL PROPOSED SIGNS MUST BE APPLIED FOR, APPROVED, AND PERMITTED ON AN INDIVIDUAL BASIS APART FROM ANY ULTIMATELY-APPROVED SITE PLAN. APPROVED OF THIS SITE PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SIGNAGE.
5. HANDICAP PARKING SPACES WILL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FLORIDA STATUTE 316, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, OR PASCO COUNTY STANDARDS.
6. THE ARCHITECT/ENGINEER CERTIFIES THAT THE SITE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT.
7. ALL ON-SITE PARKING SPACES WILL BE STRIPED AND SIGNED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE STRIPED IN WHITE. PARKING SPACES, DIRECTIONAL ARROWS AND STOP BARS SHALL BE STRIPED IN WHITE PAINT. IT SHALL BE THE OWNER/DEVELOPERS RESPONSIBILITY TO PROPERLY SIGN AND STRIPE THE SITE IN ACCORDANCE WITH APPLICABLE STANDARDS.
8. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THIS APPROVAL DOES NOT INCLUDE ANY WORK IN COUNTY RIGHT-OF-WAY. ALL RIGHT OF WAY WORK SHALL BE A FUNCTION OF AN APPROVED PASCO COUNTY RIGHT-OF-WAY USE PERMIT.
9. ALL CLEAR-SITE AREAS SHALL BE KEPT FREE OF ANY SIGNAGE, PLANTINGS, TREES, ETC. IN EXCESS OF THREE-AND-A-HALF (3-1/2) FEET IN HEIGHT.
10. NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY COUNTY OR STATE RIGHT-OF-WAY WITHOUT ISSUANCE OF APPROPRIATE RIGHT-OF-WAY USE PERMIT.
11. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS SUBSEQUENT BUILDING PERMITS SHALL COMPLY WITH ALL REZONING/MPUD/PUD CONDITIONS.
12. ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. REQUIRE SEPARATE BUILDING PERMITS.

CLEARING AND PREPARATION NOTES:

1. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN AS INDICATED ON THE PLANS SHALL BE PROTECTED IN ACCORDANCE WITH PASCO COUNTY TREE ORDINANCES AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREE SHOWN TO REMAIN SHALL BE REMOVED WITHOUT APPROVAL FROM THE OWNER.
2. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE PROJECT SOILS REPORT. COPIES OF THE SOILS REPORT ARE AVAILABLE THROUGH THE DEVELOPER/OWNER OR THE DEVELOPER REPRESENTATIVE. QUESTIONS REGARDING SITE PREPARATION REQUIREMENTS DESCRIBED IN THE SOILS REPORT ARE TO BE DIRECTED TO THE SOILS TESTING COMPANY.
3. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL WITHIN ONE WEEK FOLLOWING CONSTRUCTION.
4. THE TOP 4" TO 6" OF SOIL REMOVED DURING CLEARING AND GRUBBING SHALL BE STOCKPILED ON-SITE IN A LOCATION DESIGNATED BY THE DEVELOPER/OWNER COUNTY TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY DEVELOPER/OWNER. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE IF REQUIRED, PROVIDED THAT THE MATERIAL IS DEEMED SUITABLE FOR CONSTRUCTION BY THE GEOTECHNICAL ENGINEERING COMPANY. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE OR DISPOSED OF AS DIRECTED BY THE OWNER. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
5. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS.

SANITARY SEWER NOTES

1. A VERTICAL CLEARANCE OF 18 INCHES SHALL BE MAINTAINED BETWEEN SANITARY SEWER AND WATER MAINS. A VERTICAL CLEARANCE OF 18 INCHES SHALL BE MAINTAINED BETWEEN SANITARY SEWER AND STORM SEWERS. IF ABOVE CLEARANCES CANNOT BE ACHIEVED, THE SANITARY SEWER SHALL BE CONSTRUCTED OF PRESSURE CLASS 350 DUCTILE IRON PIPE FOR NO LESS THAN 10 FEET ON EACH SIDE OF THE CONFLICT POINT. AS AN ALTERNATE THE SANITARY SEWER MAY BE PLACED IN A SLEEVE OR ENCASED IN CONCRETE FOR THE REQUIRED 10 FEET ON EACH SIDE OF THE CONFLICT POINT.
2. A LATERAL SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER MAINS AND SANITARY SEWER.
3. ALL SANITARY SEWER MAINS AND LATERALS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER UNLESS OTHERWISE SHOWN ON THE PLANS.
4. ALL ON SITE PVC GRAVITY SANITARY SEWER PIPE SHALL BE SDR-35, EXCEPT FOR PIPE DEEPER THAN 14 FEET USE SDR-26, IN ACCORDANCE WITH ASTM D3034, ELASTOMERIC GASKET JOINTS SHALL BE UTILIZED UNLESS SPECIFIED AND NOTED DIFFERENTLY ON PLAN.
5. ALL ON SITE DUCTILE IRON PIPE SHALL BE PRESSURE CLASS 350 AND SHALL RECEIVE INTERIOR AND EXTERIOR BITUMINOUS COATING IN ACCORDANCE WITH ANSI A 21.6, A 21.8, OR A 21.51.
6. SANITARY SERVICE CONNECTION LOCATIONS AND INVERTS SHOWN ON THESE PLANS ARE APPROXIMATE.
7. ALL SANITARY SEWER WORK SHALL CONFORM WITH APPLICABLE AGENCY STANDARDS AND SPECIFICATIONS.
8. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING NEW SANITARY SEWER LINES TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING LINE AT THE POINT OF CONNECTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITH DESIGN INFORMATION SHOWN IN THESE PLANS.
9. ALL SANITARY LINES SHALL HAVE A SUITABLE MAGNETIC LOCATOR BURIED APPROXIMATELY ONE-FOOT BELOW GRADE OVER THE FORCE MAIN. THE TAPE SHALL BE CONTINUOUS BETWEEN VALVES AND SECURED TO EACH VALVE. THE TAPE SHALL BE AT LEAST 5-1/2 MIL THICK, 2 INCH. MINIMUM WIDTH AND MADE WITH AN ALUMINUM MATERIAL SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE. IT SHALL HAVE IMPRINTED IN PERMANENT BLACK INK WITH 1 INCH LETTERS, "CAUTION, SEWER LINE BURIED BELOW", ON GREEN BACKGROUND.
10. ALL DUCTILE IRON PIPE AND FITTINGS TO BE POLY-WRAPPED.
11. CONTRACTOR SHALL VERIFY INVERT ELEVATION OF SANITARY SEWER SERVICE AT THE BUILDING PRIOR TO CONNECTION AND CONSTRUCTION OF SEWER SERVICE LATERAL.

TESTING AND INSPECTION REQUIREMENTS (SANITARY)

1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO INSPECTION BY PASCO COUNTY UTILITIES AND ENGINEER OF RECORD PRIOR TO PLACEMENT OF BASE AND PAVING AND AGAIN PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY.
2. THE CONTRACTOR SHALL PERFORM AN AIR PRESSURE TEST ON ALL GRAVITY SEWERS IN ACCORDANCE WITH PASCO COUNTY UTILITIES REQUIREMENTS. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO PASCO COUNTY UTILITIES FOR APPROVAL. COORDINATION OF TESTING AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.
3. MINIMUM PRESSURE FOR THE HYDROSTATIC AND LEAKAGE TESTS FOR FORCE MAINS SHALL BE 150 PSI.

PAVING AND GRADING NOTES:

1. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MULCH, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE ENGINEER, OR REPRESENTATIVE FROM THE SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY OWNER REPRESENTATIVE. EXCAVATED AREAS ARE TO BE BACK FILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS AND IN ACCORDANCE WITH THE SOILS REPORT. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DE-WATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
3. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE SOIL TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOIL REPORTS.
4. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
5. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH ENGINEER PRIOR TO ANY ELEVATION CHANGES.
6. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
7. CONTRACTOR TO PROVIDE A ½" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (BUILDING, OTHER POURED CONCRETE, ETC.).
8. ALL PAVEMENT MARKINGS SHALL BE MADE WITH PERMANENT THERMOPLASTIC AND SHALL CONFORM TO FDOT STANDARD INDEX NO. 17346, SHEETS 1-9. PARKING STALL STRIPING TO BE 6" WIDE PAINTED STRIPES UNLESS SPECIFIED AND NOTED DIFFERENTLY ON PLAN.
9. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY THE OWNER.

TESTING AND INSPECTION REQUIREMENTS (PAVING):

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. UPON COMPLETION OF THE WORK SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO OWNER AND THE ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET. THE TESTING REQUIREMENTS SHALL AT A MINIMUM MEET OR EXCEED THOSE SPECIFIED IN THE PASCO COUNTY FOR SITE DEVELOPMENT PROJECTS.

EROSION & POLLUTION CONTROL NOTES

1. PROTECTION AND STABILIZATION OF ON-SITE SOIL STOCKPILES: FILL MATERIAL STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS TO BE REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS UPON COMPLETION OF CONSTRUCTION.
2. PROTECTION OF EXISTING STORM SEWER SYSTEMS WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC. WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY & STATE.
3. EROSION/SEDIMENTATION CONTROL: 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 BE PLACED ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT 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.
4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.

WATER SYSTEM NOTES

1. A VERTICAL CLEARANCE OF 18 INCHES SHALL BE MAINTAINED BETWEEN SANITARY SEWERS AND WATER MAINS. IF CLEARANCES CANNOT BE ACHIEVED BY ADJUSTING WATER MAINS THE SANITARY SEWER SHALL BE CONSTRUCTED OF PRESSURE CLASS 350 DUCTILE IRON PIPE FOR NO LESS THAN 10 FEET ON EACH SIDE OF THE CONFLICT POINT. AS AN ALTERNATE THE SANITARY SEWER MAY BE PLACED IN A SLEEVE OR ENCASED IN CONCRETE FOR THE REQUIRED 10 FEET ON EACH SIDE OF THE CONFLICT POINT.
2. A LATERAL SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER MAINS AND SANITARY SEWER.
3. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.
4. ALL WATER SYSTEM WORK SHALL CONFORM WITH PASCO COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.
5. CONFLICTS BETWEEN WATER AND STORM OR SANITARY SEWER TO BE RESOLVED BY ADJUSTING THE WATER LINES AS NECESSARY.
6. ALL ON SITE PVC POTABLE WATER MAINS 4" AND ABOVE SHALL BE IN ACCORDANCE WITH AWWA C-900. PIPE SHALL BE CLASS 150 DR 18. THE FIRE MAIN SHALL BE CONSTRUCTED OF PVC AND SHALL BE AWWA C-900 CLASS 151 DR 18.
7. ALL PVC WATER MAINS 1 ½" THROUGH 3" SHALL BE CLASS 200 AND MEET THE REQUIREMENTS OF SDR 21 IN ACCORDANCE WITH ASTM D-2241. WATER MAINS SMALLER THAN 1 ½" SHALL BE SCHEDULE 40.
8. ALL DUCTILE IRON PIPE SHALL BE PRESSURE CLASS 350 IN ACCORDANCE WITH ANSI A 21.50 (AWWA C 150) AND ANSI A 21.31 (AWWA C 151), AND PIPE SHALL RECEIVE EXTERIOR BITUMINOUS SEALED IN ACCORDANCE WITH ANSI A 21.4 (AWWA C 104-71). INTERIOR OF THE DUCTILE IRON PIPE SHALL BE CEMENT LINED AND BITUMINOUS COATED.
9. ALL FITTINGS LARGER THAN 2" SHALL BE DUCTILE IRON PRESSURE CLASS 350 IN ACCORDANCE WITH AWWA C-110 WITH A PRESSURE RATING OF 350 PSI. JOINTS SHALL BE MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C-111. FITTINGS SHALL BE CEMENT MORTAR LINED AND COATED IN ACCORDANCE WITH AWWA C-104. ALL FITTINGS SHALL BE RESTRAINED USING MEGALUG OR APPROVED EQUAL.
10. ALL FITTINGS 2" AND SMALLER SHALL BE SCHEDULE 80 PVC WITH SOLVENT WELDED SLEEVE TYPE JOINTS.
11. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS AT THE END OF WATER SERVICE LATERALS TO BUILDINGS TO ASSURE ADEQUATE FLUSHING AND DISINFECTING.
12. RESTRAINT JOINTS SHALL BE PROVIDED AT ALL FITTINGS AND HYDRANTS AS SHOWN ON DETAILS.
13. POINTS OF CONNECTION OF THE EXTERNAL WATER LINES ARE TO COINCIDE WITH THE BUILDING PLUMBING AS SHOWN ON THE BUILDING PLUMBING PLANS. CONNECTION LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE EXACT CONNECTION POINT.
14. ALL WATER MAINS SHALL HAVE A SUITABLE MAGNETIC LOCATOR TAPE BURIED OVER THE WATER MAIN, APPROXIMATELY ONE FOOT BELOW GRADE. TAPE SHALL BE CONTINUOUS BETWEEN VALVES AND SECURED TO EACH VALVE, WHERE OTHER LINES OR SERVICE LINES JOIN THE VALVE, THE TAPE USED FOR DETECTION OF THESE LINES SHALL BE SECURED TO THE MAIN LINE TAPE. THE TAPE SHALL BE AT LEAST 5-1/2 MIL THICK, 2 INCH MINIMUM WIDTH AND MADE WITH AN ALUMINUM MATERIAL SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE. IT SHALL HAVE IMPRINTED, IN PERMANENT BLACK INK WITH ONE INCH LETTERS, "CAUTION WATER LINE BURIED BELOW" ON BLUE BACKGROUND.
15. ALL WATER VALVES TO BE LOCATED IN GRASSED AREAS.
16. ALL DUCTILE IRON PIPE AND FITTINGS TO BE POLY-WRAPPED.
17. CONTRACTOR SHALL VERIFY LOCATION OF WATER SERVICE AT EACH BUILDING PRIOR TO CONSTRUCTION OF SERVICE LINE.
18. WATER LINES TYPE AND SPECIFICATION SHOULD BE AS LISTED ABOVE EXCEPT IF SPECIFIED DIFFERENTLY ON PLAN.

TESTING AND INSPECTION REQUIREMENTS

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED AND ACCEPTED BY THE ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH PASCO COUNTY UTILITIES SPECIFICATIONS AND AWWA STANDARDS. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR TO PERFORM CHLORINATING AND BACTERIOLOGICAL SAMPLING. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO THE ENGINEER. LOCATIONS OF CHLORINATING AND SAMPLING POINTS TO BE SUBMITTED WITH TEST RESULTS ALONG WITH AS-BUILT DRAWINGS.
3. MINIMUM PRESSURE FOR THE HYDROSTATIC AND LEAKAGE TESTS SHALL BE 150 PSI FOR POTABLE WATER MAIN. IN ACCORDANCE WITH AWWA C600 FOR A MINIMUM OF 2 HOURS.

BROOKSVILLE MAINTENANCE FDOT GENERAL NOTES

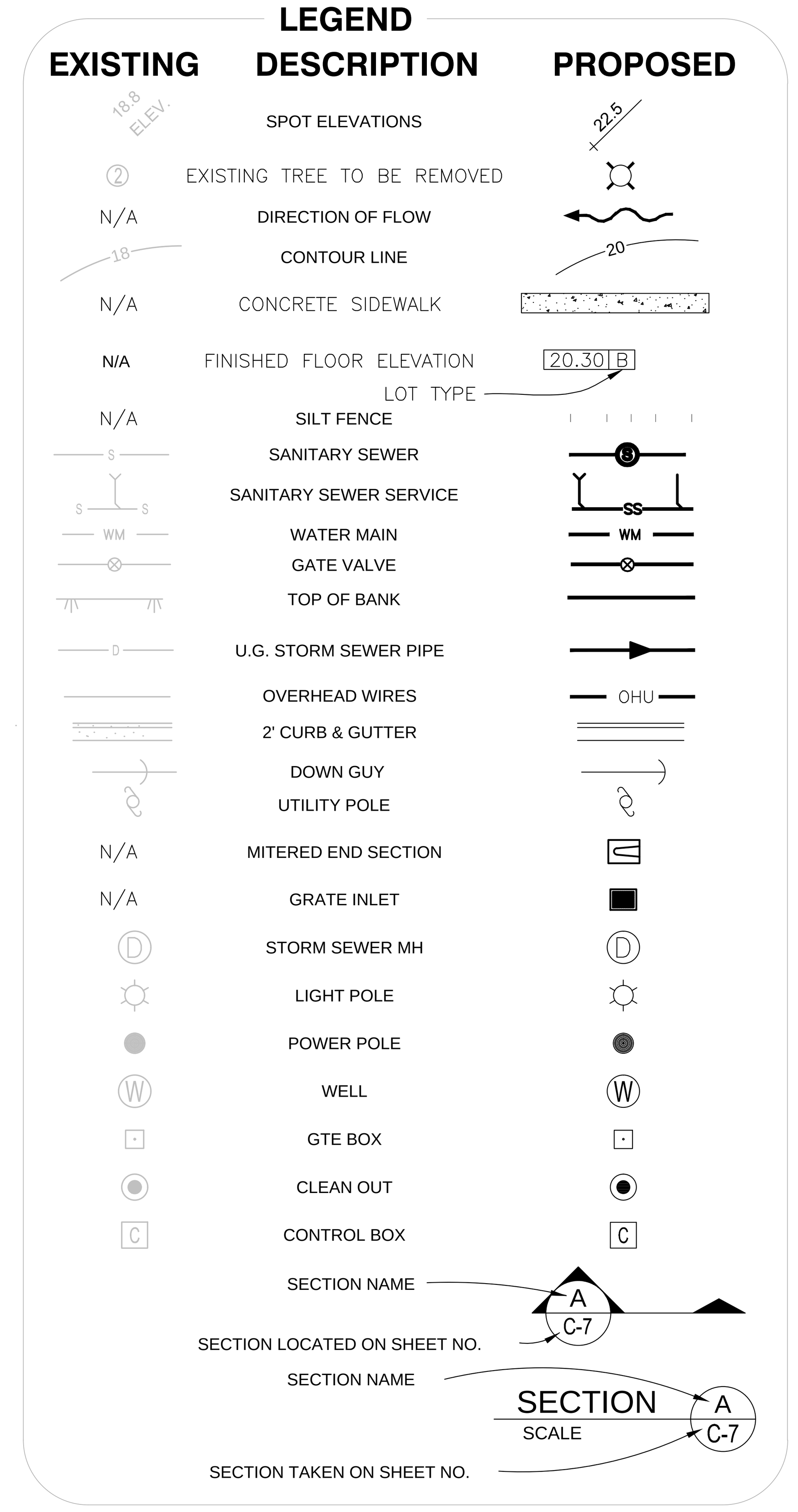
ALL WORK PERFORMED IN THE DEPARTMENT'S RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF:
A) F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
B) F.D.O.T. DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM
C) F.D.O.T. ROADWAY PLANS PREPARATION MANUAL VOLUME I, CHAPTER 2 AND/OR 25
D) F.D.O.T. FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION
1) ALL AREAS IN THE FDOT RIGHT OF WAY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED, COMPACTED, SODDED AND WATERED IN CONFORMANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 575 AND 981 AND DESIGN STANDARDS INDEX 105.
2) DAYTIME WORK ONLY. THE F.D.O.T. ENGINEER MUST APPROVE NIGHT WORK AND LANE CLOSURES AT LEAST 48 HOURS IN ADVANCE. THE APPLICANT MUST NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL MAINTENANCE OFFICE 48 HOURS IN ADVANCE OF STARTING ANY PROPOSED WORK. CALL: BROOKSVILLE MAINTENANCE, JOHN KILKENNY @ 352 797-5700.
3) ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC. THE PERMITTEE SHALL FURNISH THE DEPARTMENT WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS "LEAD FREE". REMOVAL OF EXISTING STRIPING SHALL BE DONE BY MILLING AND RESURFACING OF THE FRICTION/SURFACE COURSE TO OBLITERATE OBSOLETE PAVEMENT MARKINGS.
4) ALL PROPOSED TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH AND CONSTRUCTED TO THE FDOT DESIGN STANDARDS INDEX SERIES 11000 AND 17000 SERIES. THE PROPERTY OWNER MUST MAINTAIN TRAFFIC SIGNS AND MARKINGS FOR THE DRIVEWAY.
5) THE FDOT REQUIRES DOCUMENTATION FOR SUCCESSFUL COMPLETION OF AN APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE FOR THE AGENCY, UTILITY OR CONTRACTOR EMPLOYEE(S) INSTALLING AND/OR MAINTAINING THE APPROVED MAINTENANCE OF TRAFFIC PLAN. DOCUMENTATION IS TO BE FURNISHED TO THE DEPARTMENT AT THE PRE-CONSTRUCTION MEETING OR BEFORE OCCUPYING STATE RIGHT-OF-WAY.
6) MAINTENANCE OF TRAFFIC PLAN FOR WORK ZONES SHALL BE IN CONFORMANCE WITH ALL APPLICABLE INDICES OF THE FDOT DESIGN STANDARDS INDEX 600 SERIES ACCORDING TO THE TYPE OF ROADWAY AND TYPE OF WORK BEING PERFORMED.
7) SILT FENCE FOR EROSION CONTROL IN CONFORMANCE WITH DESIGN STANDARDS INDEX (DSI) 102 IS REQUIRED FOR ALL AREAS OF CONSTRUCTION WITH FDOT R/W: PERPENDICULAR TO AND PARALLEL WITH THE STATE ROAD.
8)**SIDEWALK SHALL BE CONSTRUCTED PER FDOT INDEX 304 AND 310. DETECTABLE WARNING STRIPS, A.K.A. TRUNCATED DOMES, FOR DISTRICT SEVEN CONSTRUCTION AND MAINTENANCE SHOULD BE EITHER INSET CERAMIC TILES OR THERMOPLASTIC DETECTABLE WARNING STRIPS. THESE WARNING SURFACES SHALL ONLY BE PROVIDED BY THE FOLLOWING VENDORS/MANUFACTURERS.
A) INLINE TRUNCATED DOME EZ TILE SUPPLIED BY PROFESSIONAL PAVEMENT PRODUCTS
B) TOPMARK SUPPLIED BY FLINT TRADING
C) VANGUARD TRUNCATED DOME SUPPLIED BY VANGUARD
9) **MAINTENANCE OF TRAFFIC PLAN MUST INCLUDE FDOT DESIGN STANDARDS INDEX 660 PEDESTRAIN CONTROL FOR CLOSURE OF SIDEWALKS

**FOR FACILITIES WITH PUBLIC SIDEWALK WITHIN FDOT RIGHT OF WAY

TREE PROTECTION NOTES

1. PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL PROTECTED TREES AND GRAND TREES DURING SITE CLEARING, AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE. BARRICADES SHALL BE ERECTED AT A MINIMUM DISTANCE OF TEN FEET (10') FROM THE CENTER OF PROTECTED TREES AND TWENTY FEET (20') FROM THE CENTER OF GRAND TREES.
2. REQUIRED TREE BARRICADES AND EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. ENCROACHMENT INTO OR FAILURE TO MAINTAIN TREE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS AND/OR PERMIT REVOCATION.
3. A MINIMUM DISTANCE OF TEN FEET (10') SHALL BE MAINTAINED FROM ALL PROTECTED TREES WHEN INSTALLING UNDERGROUND UTILITIES. IF THIS RESULTS IN UNREASONABLE HARDSHIP, A SOIL AUGER SHALL BE USED TO TUNNEL UNDER THE ROOT SYSTEMS.
4. THE CONTRACTOR IS REQUIRED TO PREVENT DAMAGE TO TREES WHICH ARE TO REMAIN. THE CONTRACTOR SHALL BE LIABLE FOR FINES DUE TO ALL DAMAGE OF TREES THAT ARE DESIGNATED TO BE SAVED DURING CONSTRUCTION. SPECIAL CARE IS REQUIRED TO PREVENT DAMAGE TO TREES WHICH ARE TO REMAIN.
5. INSTALLATION OF ARTIFICIAL BARRIERS SUCH AS PROTECTIVE BARRICADES, FENCES, POSTS, OR WALLS SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES AND GRAND TREES. FOOTERS FOR WALLS SHALL BEND AT THE POINT WHERE LARGER ROOTS ARE ENCOUNTERED, AND THE ROOTS SHALL BE BRIDGED. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES OR GRAND TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
6. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTED RADIUS.
7. A TWO-INCH (2") LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES AND GRAND TREES DURING THE SITE CLEARING PHASE.
8. A PROTECTIVE DRY WELL AND DRAINAGE/AERATION SYSTEM SHALL BE PROVIDED WHERE PROTECTED TREES OR GRAND TREES WILL BE ADVERSELY AFFECTED BY RAISING THE GRADE.
9. A PROTECTIVE LINTEL RETAINING WALL FOOTERS SHALL BE CONSTRUCTED AT THE PERIMETER OF THE PROTECTIVE RADIUS AROUND A PROTECTED TREE OR GRAND TREE WHERE THE PROTECTED TREE OR GRAND TREE WILL BE ADVERSELY AFFECTED BY LOWERING THE GRADE.
10. ALL TRIMMING OF PROTECTED TREES AND GRAND TREES SHALL BE DONE BY A QUALIFIED, LICENSED TREE SERVICE DURING DEVELOPMENT, AND SHALL BE PRUNED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
11. THE CONTRACTOR SHALL CONTACT PASCO COUNTY FOR THE REQUIRED TREE BARRICADE INSPECTION AND SHALL BE PRUNED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
12. 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 DRIPLINE OF A TREE TO REMAIN ON SITE UNLESS OTHERWISE APPROVED BY PASCO COUNTY.

LEGEND



TESTING SCHEDULE GUIDE***

TEST	TEST IDENTIFICATION	TEST REQUIREMENT	TEST FREQUENCY
EMBANKMENT			
MAXIMUM DENSITY	AASHTO T180	N/A	PER SOIL TYPE
OPTIMUM MOISTURE	ASTM D1556		
FIELD DENSITY	AASHTO T191, T204, T238 ASTM D1556, D2937, D2922	95% OF MAXIMUM DENSITY	ONE PER 2500 S.F. HORIZONTALLY, ALTERNATING LIFTS (12")
UTILITY TRENCH BACKFILL UNDER ROADWAYS AND STRUCTURES			
MAXIMUM DENSITY	AASHTO T180	N/A	PER SOIL TYPE
OPTIMUM MOISTURE	ASTM D1557		
FIELD DENSITY	AASHTO T191, T204, T238 ASTM D1556, D2937, D2922	95% OF MAXIMUM DENSITY	ONE PER 2500 S.F. HORIZONTALLY*, EVERY 2' VERTICALLY D2922 AT LEAST ONE FOR EACH PIPE RUN
BACKFILL OF STRUCTURES			
MAXIMUM DENSITY	AASHTO T180	N/A	PER SOIL TYPE
OPTIMUM MOISTURE	ASTM D1557		
FIELD DENSITY	AASHTO T191, T204, T238 ASTM D1556, D2937,D2922	95% OF MAXIMUM DENSITY	EVERY 2' VERTICALLY
SUBGRADE			
MAXIMUM DENSITY	AASHTO T180	N/A	
OPTIMUM MOISTURE	ASTM D1557	COMPACTED TO 98% OF MAXIMUM DENSITY	
FIELD DENSITY AND THICKNESS	AASHTO T191, T238 ASTM D1556, D2922		ONE PER 2500 S.F. HORIZONTALLY
BASE			
MAXIMUM DENSITY	AASHTO T180	N/A	
OPTIMUM MOISTURE	ASTM D1557		
THICKNESS	AASHTO T191, T238		ONE PER 2500 S.F. HORIZONTALLY
FIELD DENSITY	ASTM D1556, D2922	COMPACTED TO 98% OF MAXIMUM DENSITY FOR LIME ROCK AND 100% FOR CRUSHED CONCRETE	
GRADATION	AASHTO T27, T28, T90	PER FDOT STANDARD SPECIFICATIONS SECTION 204	ONE PER SOURCE
ATTERBERG LIMITS	ASTM C136, D423, D424		
BEARING RATIO		LBR 100	
ASPHALTIC CONCRETE MATERIALS QUALITY			
BITUMEN CONTENT, GRADATION	AASHTO T164 ASTM D2172	PER SPECIFICATIONS	ONE PER DAY
FIELD DENSITY	ASTM 02950-81	95% OF LAB DENSITY	ONE PER 2500 S.F. HORIZONTALLY
LOS ANGELES ABRASION	AASHTO T96-77 ASTM C131-81	PER SPECIFICATIONS	ONE PER SOURCE
THICKNESS	N/A	PER SPECIFICATIONS	ONE PER 2500 S.F.

NOTES

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* CONTRACTOR SHALL NOT PAVE OVER SOIL CEMENT BASE UNTIL A 30 CURING DAY TIME HAS ELAPSED.
** MAXIMUM STRENGTH LIMITS, AS ESTABLISHED BY SOILS TESTING COMPANY, SHALL NOT BE EXCEEDED.
*** SHOULD ANY OF THE INFORMATION PROVIDED HEREIN CONFLICT WITH EITHER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, AND/OR THE GEOTECHNICAL REPORT, THEN THE AFOREMENTIONED RECOMMENDATIONS SUPERCEDE THIS "TESTING SCHEDULE GUIDE".

NO.	REVISIONS	BY	DATE

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GENERAL NOTES
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

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DATE	07/03/15
SCALE	NTS
DRAWING NAME: R0907 GN GENERAL NOTES.dwg	
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SHEET NO.	VERSION

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BEST MANAGEMENT PRACTICES

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 17-25, F.A.C., AND THE SWFWMD CHAPTER 40E-4, F.A.C. THE PLAN ADDRESSES THE FOLLOWING AREAS:

1. PROTECTION OF PRESERVED/CONSERVED UPLAND HABITATS DURING CONSTRUCTION.
2. GENERAL EROSION CONTROL.
3. PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.
4. CONTROL OF WIND EROSION.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE.

EROSION AND SEDIMENTATION CONTROL DEVICES SHOULD BE INSPECTED AT LEAST ONCE PER WEEK AND/OR AFTER ANY STORM EVENT MEASURING A QUARTER INCH OR MORE OF RAINFALL.

IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEXES #100 THROUGH #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION.

SECTION 1 PROTECTION OF PRESERVED/CONSERVED UPLAND HABITATS
N/A

SECTION 2 GENERAL EROSION CONTROL
2.1 GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED PRIOR TO CONSTRUCTION ACTIVITIES.

2.2 CLEARED SITE DEVELOPMENT AREAS WHICH WILL REMAIN AT ROUGH GRADE FOR 14 DAYS OR MORE SHOULD BE STABILIZED IMMEDIATELY BY COVERING WITH ADEQUATE AMOUNTS OF HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENT TO STABILIZE THE TEMPORARY GROUNDCOVER.

2.3 ALL GRASS SLOPES CONSTRUCTED STEEPER THAN 4H:1V SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADE IS ESTABLISHED.

2.4 SOD SHALL BE PLACED FOR A 3-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE INSTALLED.

2.5 WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED. THE TEMPORARY SEDIMENT SUMP SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON THE GROUND DRAINING TO THE SUMP.

2.6 UNLESS OTHERWISE SPECIFIED, ACCUMULATED SEDIMENTS SHOULD BE REMOVED BEFORE THEY REACH ONE-HALF OF THE CAPACITY OF THE
CONTROL DEVICE.

SECTION 3 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION

3.1 SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMPS IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

3.2 WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
SWALES SHALL BE CONSTRUCTED AS SHOWN ON PLANS.

3.3 EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:

A. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.

B. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.

3.4 HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.

3.5 SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.

SECTION 4 CONTROL OF WIND EROSION

4.1 WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:

A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.

B. AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL FOR A SILT FENCE EXCEPT. THE MINIMUM HEIGHT SHALL BE 4 FEET.

SEDIMENT AND EROSION CONTROL MEASURES NOTES

(PASCO COUNTY)

1. TURBIDITY CONTROL MEASURES ARE PART OF THE PASCO COUNTY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS ISSUED BY THE US ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE FLORIDA WATER MANAGEMENT DISTRICT. PERMITS SHALL BE STRICTLY ENFORCED BY THE CITY OF OCOEE AND THESE AGENCIES.
2. ALL TURBIDITY CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE BREAKING GROUND PROCESS AND PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES INCLUDING DEMOLITION ACTIVITIES.
3. SILT FENCE MUST WRAP ENTIRE AREA OF CONSTRUCTION UNLESS DIRECTED OTHERWISE BY THE COUNTY ENGINEER. FINAL LOCATIONS OF TURBIDITY CONTROL DEVICES MAY BE ADJUSTED AS DIRECTED BY THE CITY ENGINEER OR REPRESENTATIVES OF THE PERMITTING AGENCIES WITHOUT ADDITIONAL COMPENSATION.
4. UNTIL COMPLETION OF INSTALLATION OF THE TURBIDITY AND SEDIMENT CONTROL DEVICE, THE CONTRACTOR CANNOT "BREAK GROUND " OR PERFORM ANY LAND CLEARING ACTIVITIES INCLUDING, BUT NOT LIMITED TO, TREE REMOVAL, DEMOLITION, SCALPING, DIGGING, OR STOCKPILING OF DIRT UNTIL EROSION CONTROL DEVICE ARE APPROVED AND SIGNED OFF BY THE INSPECTOR.
5. INSPECTION AND MAINTENANCE OF TURBIDITY CONTROL MEASURES SHALL BE A CONTINUING FUNCTION OF THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION FOR THE DURATION OF THE PROJECT AND UNTIL A CERTIFICATE OF OCCUPANCY IS ISSUED. REMOVAL OF ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY MUST BE APPROVED BY PASCO COUNTY. MAINTENANCE OF THESE DEVICES SHALL BE AS DIRECTED BY THE COUNTY ENGINEER.
6. THE LIFE CYCLE OF SILT SCREEN AND HAYBALES IS LIMITED. SILT FENCES HAVE A MAXIMUM USABLE LIFE OF 6 MONTHS AND THE USABLE LIFE OF HAYBALES IS 3 MONTHS. SILT SCREENS AND HAYBALES SHALL BE REPLACED AT THE END OF THEIR USABLE LIFE. THE CITY ENGINEER MAY REQUIRE REPLACEMENT PRIOR TO THE USABLE LIFE BASED UPON FIELD CONDITIONS. ADDITIONAL TURBIDITY AND/OR SEDIMENT CONTROL DEVICES MAY REQUIRED AS DIRECTED BY THE ENGINEER.
7. PROTECTION OF EXISTING AND PROPOSED STORM SEWER SYSTEM: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY APPROVED TURBIDITY CONTROL MEASURES AND SEDIMENT TRAPS SUCH AS SECURED HAYBALES, SILT FENCES, SOD, STONE, ETC.. THESE DEVICES SHALL BE MAINTAINED, CLEANED, MODIFIED AND REPAIRED BY THE CONTRACTOR AS REQUIRED BY CONSTRUCTION PROGRESS OR AS DIRECTED BY THE ENGINEER (SEE FDOT INDEX NO. 102).
8. SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, FILTER FENCE, BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING WATER BODIES, MUST BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFER, PROTECTED FROM DISTURBANCE AS THE FIRST STEP IN THE LAND ALTERATION PROCESS.
9. ALL TURBIDITY CONTROL DEVICES SHALL BE CHECKED DAILY, ESPECIALLY AFTER EACH RAINFALL EVENT AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED. ALL VIOLATIONS MUST BE REPORTED TO THE COUNTY ENGINEER WITHIN 24 HOURS. COPIES OF THE STANDARD OPERATOR PROCEDURE FOR VIOLATION NOTICES ARE AVAILABLE FOR THE ENGINEERING DIVISION.
10. FULL SOD STABILIZATION SHALL OCCUR WITHIN 72 HOURS OF OBTAINING FINAL GRADE.
11. THE CONTRACTOR SHALL PROVIDE TURBIDITY BARRIERS AS DIRECTED BY THE COUNTY ENGINEER TO CONTROL EROSION AND SEDIMENTATION FROM TAKING PLACE OUTSIDE THE LIMITS OF THE PROJECT. THE TURBIDITY BARRIERS SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF THE PASCO COUNTY ENGINEERING DESIGN AND CONSTRUCTION STANDARDS, MOST RECENT EDITION.
12. FAILURE TO COMPLY WITH EROSION CONTROL MEASURES WILL RESULT IN A NOTICE OF VIOLATION BEING ISSUED. THE NOTICE WILL STIPULATE THE TIME FRAME ALLOWED FOR COMPLIANCE. IF THE PROJECT IS NOT IN COMPLIANCE WITHIN THE TIME FRAME GIVEN, A STOP WORK ORDER WILL BE ISSUED.
13. DEMOLITION AND TYPICAL CONSTRUCTION PROJECTS USUALLY GENERATE LARGE AMOUNT OF DUST WITH SIGNIFICANT CONCENTRATIONS OF HEAVY METALS AND OTHER TOXIC POLLUTANTS. DUST CONTROL TECHNIQUES SHALL BE USED TO CONTROL DUST. SEDIMENT SHALL BE RETAINED ON SITE AND NOT BE ALLOWED TO RUN DIRECTLY INTO WATER COURSES OR STORM WATER CONVEYANCE SYSTEM. USE OF CALCIUM CHLORIDE, OIL OR OTHER CHEMICAL DUST AGENTS IS PROHIBITED, UNLESS APPROVED BY THE COUNTY ENGINEER.
14. FOR PROJECTS OVER 1 ACRE THE PROJECT SHALL ADHERE TO THE REQUIREMENTS OF THE EPA AND FDEP NOTICE OF INTENT (NOI) TO USE THE NPDES GENERAL PERMIT AND STORMWATER POLLUTION PREVENTION PLAN (SWP3)
15. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT(NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
16. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS TRANSPORT OF THESE MATERIALS INTO STORM WATER CONVEYANCE SYSTEM.
17. NO RUBBISH, TRASH, GARBAGE, OR OTHER SUCH MATERIALS SHALL BE DISCHARGED IN DRAINAGE DITCH OR WATER OF THE STATE.
18. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY IS PLANNED TO BE STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED AND MULCHED. THESE AREAS SHALL BE SEEDED AND MULCHED NO LATER THAN 3 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
19. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE COUNTY ENGINEER. THESE AREAS SHALL BE PERMANENTLY SEEDED OR SODDED NO LATER THAN 3 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
20. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD AS IDENTIFIED BY THE COUNTY ENGINEER THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING WASH WATER AT THE SITE.
21. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY. ROADWAYS AND RIGHT-OF-WAYS SHALL BE CLEANED DAILY BY A VACUUM STREET SWEEPER OR AS DIRECTED BY THE COUNTY ENGINEER.
22. CONTRACTOR OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AFTER THE STABILIZATION OF THE SITE AND ALSO ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEM.
23. IF SOIL STOCKPILING IS EMPLOYED ON THE SITE, SILT FENCES AND OTHER MEANS SHALL BE USED TO HELP CONTAIN THE SEDIMENT.
24. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION OR TEMPORARY SEEDED AND MULCHED.
25. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC..) TO HELP PREVENT EROSION AND STORM WATER POLLUTION.
26. ALL OFF SITE CONSTRUCTION SHALL BE STABILIZED AT EACH END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR STORM DRAIN CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

SITE NOTES:

SITE AREA : 2.88 ACRES ON-SITE AND 0.25 ACRES OFF-SITE DISTURBED AREA
SITE LOCATION : SECTION 17, TOWNSHIP 26, RANGE 16
LOCATION : 5923 STATE ROAD 54, NEW PORT RICHEY, PASCO COUNTY, FLORIDA
DRAINAGE PATTERNS: SEE SHEET C-2.1 FOR FLOWLINE
SLOPES: 0.80% - 1.9% SLOPE ACROSS SITE, SEE SHEET C-2.1 FOR PROPOSED SPOT ELEVATIONS
AREA DISTURBED/AREAS NOT DISTURBED: 2.88 AC ON-SITE / 0 AC
LOCATION AND DETAILS OF BMPS: SEE THIS SHEET AND ES-1 FOR MORE DETAILS
LOCATION OF WETLANDS AND SURFACE WATERS: NO WETLANDS LOCATED ON-SITE.
LOCATION OF OUTFALL TO SURFACE WATER: NO OUTFALL STRUCTURE PROPOSED.
BMP DETAIL DRAWINGS: SEE THIS SHEET AND ES-1 FOR MORE DETAILS
DESCRIPTION OF CONSTRUCTION ACTIVITIES: CLEARING, GRUBBING, AND COMPACTION
CONSTRUCTION SEQUENCE: EARTHWORK, FOUNDATION AND SLAB, UTILITIES SYSTEM, STORMWATER SYSTEM AND PAVING
SOIL TYPES: TAVARES SAND
DEWATERING METHODS AND LOCATIONS: N/A
BMPS: SEE THIS SHEET FOR MORE DETAILS
PERMANENT STABILIZATION: CRUSH CONCRETE
PERMANENT STORMWATER MANAGEMENT CONTROL: SILT FENCE AND INLET PROTECTION
POTENTIAL POLLUTANTS DURING CONSTRUCTION: NOT APPLICABLE
INSPECTIONS: CONSTRUCTION SITE WILL BE INSPECTED FOR EROSION PROBLEMS DAILY AND AFTER EACH RAINFALL GREATER THAN 0.5 INCHES. A RAIN GAUGE WILL BE ON SITE TO MEASURE THE RAINFALL AMOUNT

EROSION & POLLUTION CONTROL NOTES

1. PROTECTION AND STABILIZATION OF ON-SITE SOIL STOCKPILES: FILL MATERIAL STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS TO BE REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS UPON COMPLETION OF CONSTRUCTION.
2. PROTECTION OF EXISTING STORM SEWER SYSTEMS WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC. WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY & STATE.
3. EROSION/SEDIMENTATION CONTROL: 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 BE PLACED ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT 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.

4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.

EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO OWNER(S). THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

1. SITE DESCRIPTION

A. Construction Activity/Project Limits:
To develop a 6,000 SF Convenience Store on a 2.88 acre parcel located at 5923 State Road 54, New Port Richey, Pasco County, Florida.

B. Sequence of Major Activity and Implementation:
1. Install erosion and pollution control measures.
2. Clear, grub & excavate retention area.
3. Grade site, including excavating & filling.
4. Stabilize top soil with sod/seed & mulch accordingly.

C. Estimate of Total Project Area and Area to be Disturbed:
1. The project area is 2.88 acres. The area to be disturbed will be 2.88 acres.

D. Estimate of Runoff Coefficients and Existing Soil Data:
1. The estimated runoff coefficient prior to construction: C = 0.67
2. The estimated runoff coefficient after construction: C = 0.74 to attenuation pond, C = 0.20 from pond.
3. The estimated runoff coefficient during construction: C = 0.1 to 0.5
4. The existing soils are listed as Tavares sand per the USDA Soil Conservation Service Soil Survey of Pasco County.

E. Site Map:
See cover sheet of construction plans.

F. Receiving Waters/Wetland Areas:
1. The site is discharging to the proposed dry pond, where no discharge from the pond is proposed.

2. CONTROLS

A. Erosion and Sediment Control:
During the construction operations, the following control measures will be used to prevent erosion and sedimentation:
1. Clearing & grubbing will be performed to minimize the impacts to the unprotected areas exposed to erosion forces. Construction is limited to areas of clearing.
2. Excavated materials will deposited in a manor to avoid washout from stormwater runoff. All stock piles will be protected by sediment containment devices.
3. All drainage structures will be protected during construction. See the erosion control and grading specifications listed on the approved construction plans for this project.

B. Stormwater Management:
The stormwater system will be handled through a dry retention area.

C. Other Controls:
The contractor, at all times, will:
1. Dispose of waste by appropriate means.
2. Limit off-site tracking and spillage.
3. Dispose of sanitary waste by appropriate means.
4. Hire only certified technicians to handle or dispense fertilizers and pesticides.
5. Stop work when encountering a spill, will not resume until directed by the project engineer and have the disposition of the hazardous waste be made in accordance with all regulating agencies.

D. Approved State and Local Plans or Permits:
1. The contractor is to adhere to the following stormwater permits that will be issued for this project:
   1. Southwest Florida Water Management District
   2. Pasco County
   3. Florida Department of Environment Protection

2. MAINTENANCE
The contractor shall be responsible for implementing and maintaining all pollution and erosion control devices on a daily manor. A report will be taken to record any deviations from permit compliance.

3. INSPECTION
The contractor shall inspect all pollution and erosion control devices weekly and within 24 hours after a rainstorm in excess of 0.50 inches. The contractor shall report all findings and list the corrective actions taken to correct the deficiencies. These reports will be submitted to the engineer for review.

4. REFERENCES
The construction plans with specifications for this project are hereby referenced and made a part of this plan.

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
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EROSION CONTROL PLAN NOTES
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New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	N.T.S.
DRAWING NAME: R0907 ES-0 & ES-1 ECP.dwg	
ES-0	
SHEET NO.	VERSION

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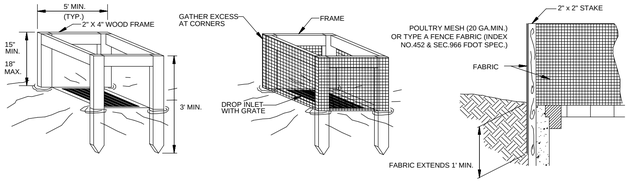
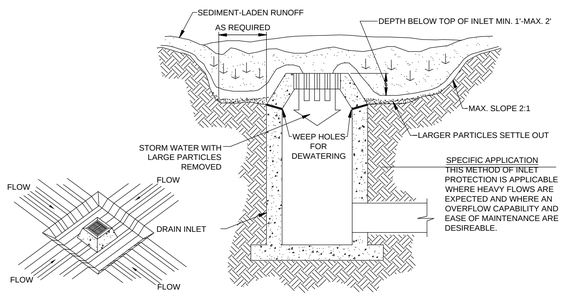


SILT FENCE INLET PROTECTION

N.T.S.

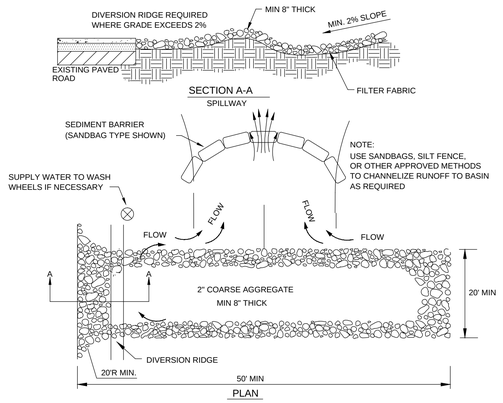


EXCAVATED INLET SEDIMENT TRAP

N.T.S.

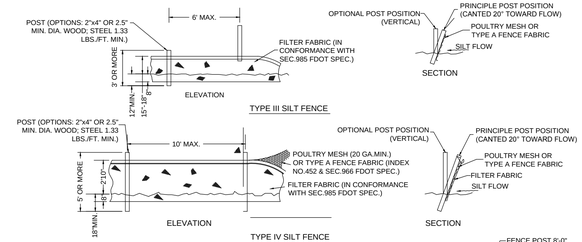
STABILIZED CONSTRUCTION ENTRANCE

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET
3. THICKNESS - NOT LESS THAN SIX (6) INCHES
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHELLS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



TEMPORARY CONSTRUCTION ACCESS DETAIL

N.T.S.



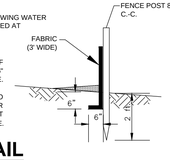
DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATER COURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

NOTES:

- FOR ADDITIONAL INFORMATION AND DETAILS, SEE FDOT INDEX NO. 102.
- UNLESS SPECIFIED, HAY BARRIERS MAY BE USED IN LIEU OF SILT FENCES.
- ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.
- ADDITIONAL FENCE LENGTHS MAY BE REQUIRED BY THE COUNTY ENGINEER OR BY REGULATORY AGENCIES.

NOTE: BOTTOM 1 FT. OF FABRIC EMBEDDED IN 6" TRENCH TAMPED IN PLACE.

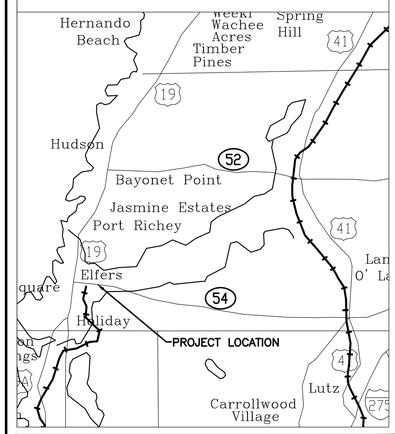
TO BE PLACED ADJACENT TO WETLANDS BOUNDARY OR OPEN WATERS NOT PROTECTED BY DIKE.



EROSION CONTROL DETAIL

N.T.S.

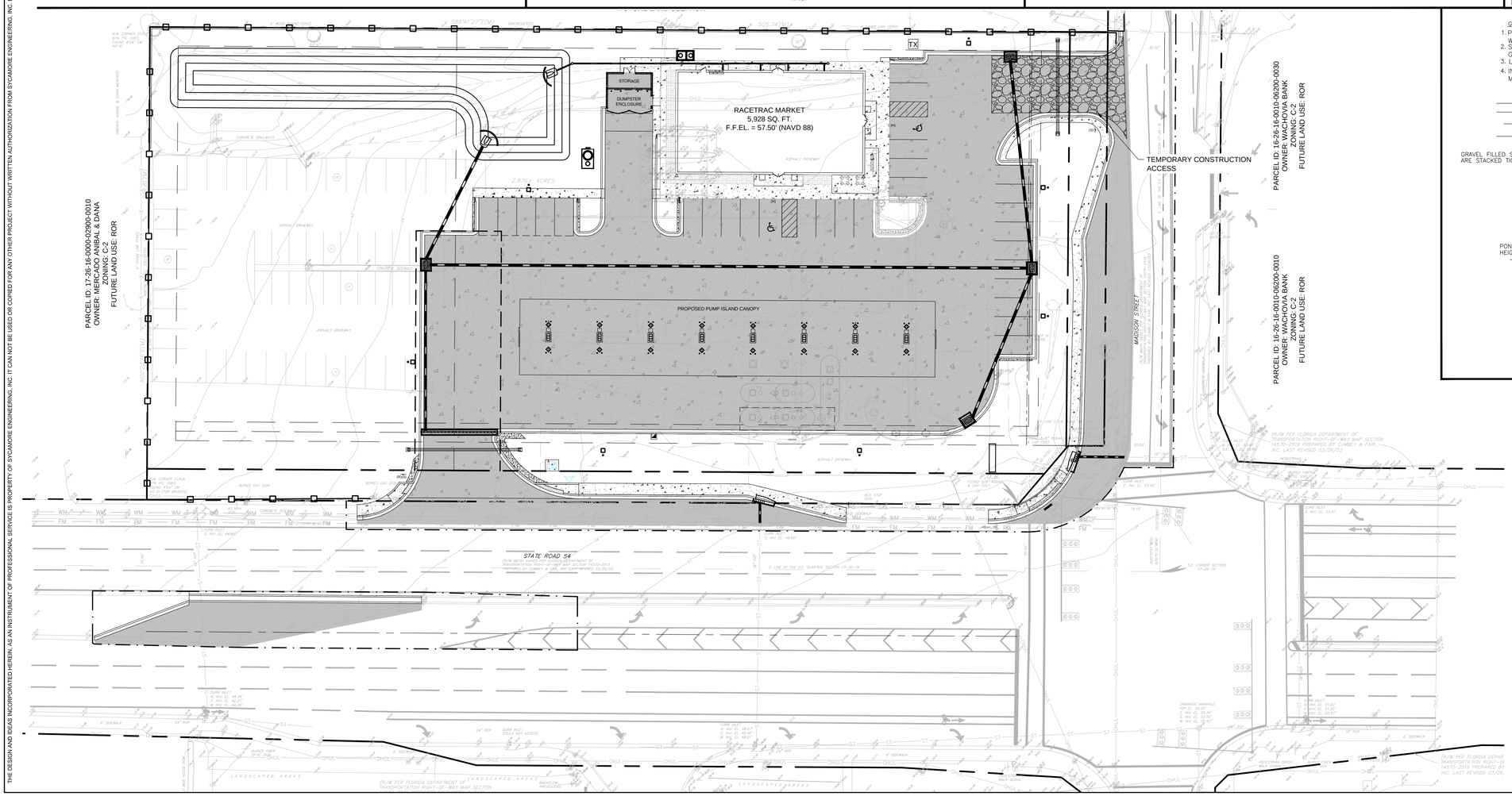
VICINITY MAP NTS



1. REFER TO DEMOLITION PLAN SHEET D-1 FOR TREES TO BE PRESERVED AND REMOVED.
2. ALL EXISTING TREES SHALL BE PROTECTED BY SILT FENCE AT ALL TIMES AS SHOWN ON THIS SHEET.

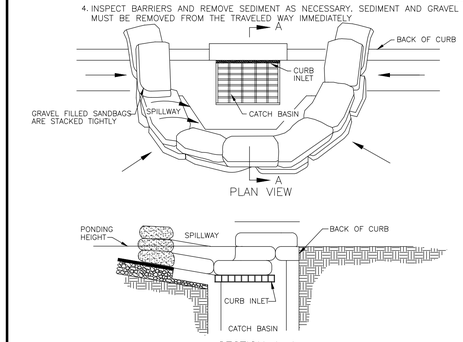
NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL.P.E. #58995



GENERAL NOTES:

1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW
4. INSPECT BARRIERS AND REMOVE SEDIMENT AS NECESSARY. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY



CURB INLET PROTECTION DETAIL

N.T.S.

PROPOSED LEGEND

- PROPERTY LINE
- LANDSCAPE BUFFER LINE
- JURISDICTIONAL LINE (WETLAND LINE)
- LIMITS OF CONSTRUCITON
- F.F.EL. — FINISHED FLOOR ELEVATION
- PROPOSED SILT FENCE
- PROPOSED FLOW LINE
- TREES TO BE REMOVED
- PROPOSED INLET PROTECTION AROUND STORM DRAINAGE STRUCTURES
- PROPOSED STORM SEWER PIPE
- PROPOSED MES PROTECTION AROUND STORM DRAINAGE STRUCTURES

NORTH

15' 0' 30' 60' 90'

GRAPHIC SCALE IN FEET

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DEMOLITION NOTES

1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
2. THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIMSELF WITH THE STRUCTURES TO BE DEMOLISHED. A BRIEF DESCRIPTION OF THE STRUCTURES IS INCLUDED IN THE SURVEY FOR THE CONTRACTOR'S CONVENIENCE ONLY.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
4. PRIOR TO ANY REMOVAL OF ANY UNDERGROUND TANK AND OTHER COMPONENT, IF ANY, CONTRACTOR MUST COMPLETELY DRAIN THE SYSTEMS TO AN APPROVED SANITATION TANK FOR DISPOSAL TO AN APPROVED LOCATION.
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
6. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT BUILDINGS. STREETS AND SIDEWALKS SHALL NOT BE UNNECESSARILY BLOCKED BY DEBRIS AND EQUIPMENT.
7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL OF THE INFORMATION WITHIN THESE DOCUMENTS: ALL DISCREPANCIES AND /OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.
8. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
9. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING IRRIGATION SYSTEM, IF ANY, IN THE AREAS OF PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL CAP THE EXISTING IRRIGATION SYSTEM TO REMAIN SUCH THAT THE PROPOSED SYSTEM SHALL CONTINUE TO FUNCTION PROPERLY.
10. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
11. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE TOTALLY REMOVED IF UNDER BUILDING.
12. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
13. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
14. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
15. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.
16. PAVEMENT REMOVAL
    A. WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH MINIMUM DISTURBANCE TO THE REMAINING ADJACENT SURFACING. IF CONSTRUCTION RESULTS IN RAVELING OF THE SAW-CUT SURFACE, RECUT BACK FROM THE RAVELED EDGE PRIOR TO RESTORATION. COORDINATE LIMITS OF SAW-CUT WITH SITE DIMENSION PLAN SHEET P1 AND P1.1.

    B. WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY, OR VALLEY GUTTER IS REMOVED FOR THE PURPOSE OF CONSTRUCTING OR REMOVING BOX CULVERTS, PIPE, INLETS, MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT, ETC. SHALL BE REPLACED AND RESTORED IN EQUAL OR BETTER CONDITION THAN THE ORIGINAL. CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, PAINT, AND EQUIPMENT REQUIRED.

    C. WHERE BASE MATERIAL IS TO BE RAISED, CONTRACTOR SHALL SCARIFY THE UPPER 4" MINIMUM OF THE EXISTING BASE MATERIAL, ADD THE NEW BASE TO REQUIRED THICKNESS AND RE-COMPACT SAID MATERIAL AS REQUIRED. BASE COURSE SHALL HAVE A MIN. LBR OF 100 AND SHALL BE COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DRY DENSITY (ASTM D-1557) VALUE.
17. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
18. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE DEVELOPER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING DEMOLITION/EXCAVATION PROCESS.
19. ALL EXISTING UTILITIES WITHIN THE R.O.W. SHALL BE ADJUSTED, REMOVED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. ACTUAL WORK SHALL BE COORDINATED BY THE CONTRACTOR DIRECTLY W/ THE APPROPRIATE UTILITY COMPANY. ALL EXPENSES SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
20. EXISTING POWER AND LIGHTING POLES ON SITE TO BE REMOVED WITH COORDINATION OF APPLICABLE UTILITY COMPANY.
21. CONTRACTOR TO NOTIFY THE CONTROLLING AGENCY IN WRITING 10 DAYS BEFORE ANY DEMOLITION WORK.
22. SITE IS TO BE INSPECTED FOR GOPHER TORTOISE HABITATS PRIOR TO CONSTRUCTION. IF GOPHER TORTOISES OR ANY OTHER LISTED SPECIES OF SPECIAL CONCERN ARE PRESENT, THE PROPERTY DEVELOPER AND/OR THE DEVELOPER'S REPRESENTATIVE SHALL EXAMINE ALL VARIABLE OPTIONS BEFORE CONSTRUCTION BEGINS. THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION SHALL BE CONTACTED TO DISCUSS AVAILABLE OPTIONS. DUE TO THE SPECIES' PROTECTED STATUS, THE DESTRUCTION OF THEIR BURROWS CONSTITUTES TAKING UNDER THE LAW EXCEPT AS AUTHORIZED BY A SPECIFIC PERMIT.
23. ASBESTOS, IF EXIST WITHIN EXISTING BUILDING, SHALL BE REMOVED PER AGENCIES GUIDELINES AFTER OBTAINING THE REQUIRED PERMIT(S). THIS SHOULD BE INCLUDED IN DEVELOPMENT CONSTRUCTION COST.

TREES TO BE REMOVED

LIVE OAKS			OTHER TREES	
SIZE (IN.)	NO.	TOTAL INCHES	NO.	TOTAL INCHES
8	–		1	8
9	–		2	18
10	–		1	10
12	–		4	48
14	–		1	14
15	–		1	15
32	1	32	–	0
36	1	36	–	0
TOTAL OAK:		68"	TOTAL OTHER :	113/3 = 38"

LIVE OAKS TO BE REPLACED INCH FOR INCH.
OTHERS TO BE REPLACED INCH FOR 1/3 INCH.

TREES TO BE PLANTED

LIVE OAKS			OTHER TREES	
SIZE (IN.)	NO.	TOTAL INCHES	NO.	TOTAL INCHES
–	–	–	–	–

NET INCHES

	LIVE OAKS	OTHER TREES
DIFFERENCE:	–"	–"

TOTAL MITIGATION REQUIRED = –" OR (–) TREES

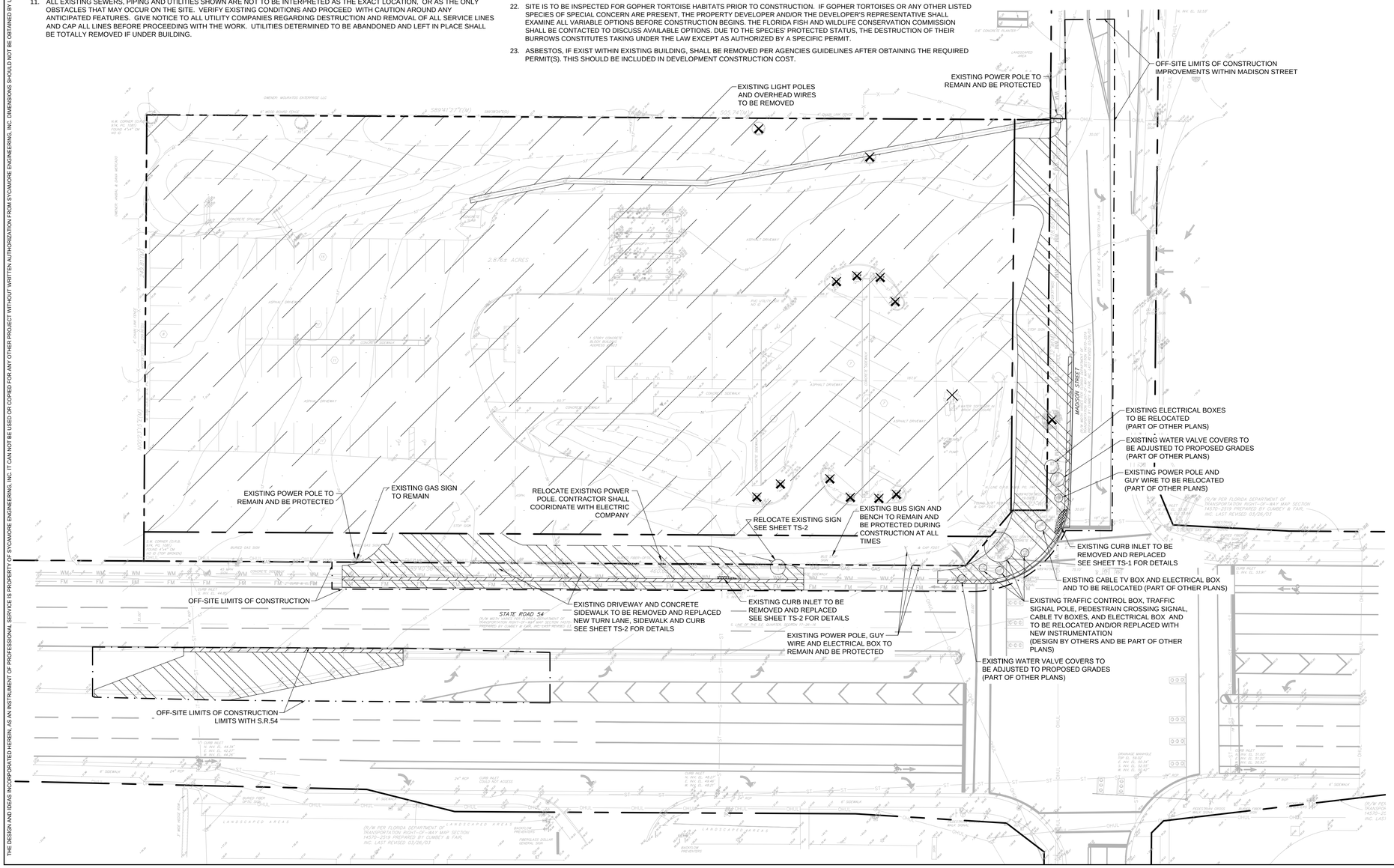
ATTENTION

1. CONTRACTOR TO VERIFY ALL EXISTING SANITARY AND WATER UTILITY LINES, WATER METERS, ETC. CONTRACTOR TO TRY TO FIND ANY CONFLICT IN EXISTENCE WITH PROPOSED DEVELOPMENT AND REPORT TO ENGINEER OF RECORD.
2. THIS SITE HAS AN EXISTING BANK BUILDING. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITY LINES WITHIN THE SITE. CONTRACTOR TO TAKE ALL CAUTION TO REMOVE UNDERGROUND AND ABOVE GROUND LINES OF ANY TYPE.
3. EXISTING SURVEY AND THESE PLANS UTILIZED ABOVE GROUND DATA AND MOST AVAILABLE INFORMATION WITH NO KNOWLEDGE OF UNDERGROUND CONDITIONS AND EXISTING UTILITIES.
4. CONTRACTOR TO COORDINATE WITH ELECTRICAL COMPANY ON EXISTING POWER AND LIGHTING POLES ON SITE TO BE REMOVED.
5. IT IS THE CONTRACTOR RESPONSIBILITY TO COORDINATE WITH ON-SITE GEOTHECHNICAL CONSULTANT TO CHECK THE SOIL WITHIN PROPOSED RETENTION POND LOCATION, TO BE ACCEPTABLE SOIL FOR PERCOLATION AS PER AGENCIES REQUEST AND ALL ISSUED SITE PERMITS.
6. AT ANY TIME SHOULD LIMEROCK BE FOUND AT ANY DEPTH AND WITHIN WORK LIMITS, CONTRACTOR SHALL STOP WORK AND CONTACT THE ENGINEER OF RECORD AND SWFWMD.

UTILITY NOTES

1. THIS PROPERTY HAS AN EXISTING BANK BUILDING AND FACILITIES. CONTRACTOR TO TAKE ALL CAUTION TO REMOVE EXISTING UNDERGROUND FOUNDATION, WALLS, UTILITIES AND ANY OTHER STRUCTURES, IF ANY.

2. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND TANKS ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO STARTING THE WORK. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY OF LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY ALL UTILITIES COMPANIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY PER SSOCOF AND F.S. 556.



DEMOLITION LEGEND

- = PROPERTY LINE
- = LIMITS OF CONSTRUCTION
- = COMPLETE PROPERTY- BUILDING, PAVEMENT, UTILITIES, PIPES, WASTE WATER SYSTEM (UNDERGROUND), SEPTIC SYSTEM, WATER LINE (UNDERGROUND), ELECTRIC LINES, TANKS, WELLS, LIGHT POLES TO BE REMOVED FROM THIS AREA.
- = PART OF OFF-SITE AREA TO BE CLEARED
- = EXISTING CURB CUT TO BE REMOVED
- = EXISTING STRUCTURE TO BE REMOVED
- = EXISTING TREES TO BE REMOVED
- = EXISTING TREE TO REMAIN

811 Know what's below. Call before you dig.

NORTH

15' 0' 30' 60' 90'

GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

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GENERAL NOTES

1. CONTRACTOR TO SCREEN DUMPSTER AND COMPACTOR WITH MATERIALS COMPATIBLE WITH FRONT OF BUILDING

2. ALL STRIPING AND DIRECTIONAL SIGNAGE SHALL CONFORM TO THE LATEST M.U.T.C.D. ALL HANDICAPPED PARKING SPACES SHALL BE SIGNED AND MARKED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX NO. 17346. ALL PARKING SHALL BE STRIPED IN WHITE.

3. NO BURNING ON SITE IS PLANNED.

4. APPROXIMATELY 5,000 CY, MORE OR LESS, OF FILL IS REQUIRED.

5. THE SOIL EROSION AND SEDIMENT CONTROL DEVISES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.

6. IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES IS DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE.

7. PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDING, ACCESSORIES, AND RETAINING WALLS)

8. ALL DEMO. DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.

9. LOADING/UNLOADING WILL BE AFTER HOURS AND USING SHOWN LOADING AREA.

10. MINIMUM HEIGHT FOR ALL TYPES OF CANOPY SHALL BE 13'-6". PROPOSED CANOPY ON DRIVE-THRU IS 14' 0".

11. ANY OFF SITE DISTURBANCE SHALL BE RESTORED TO THE PRE OR BETTER CONDITION. (LDC 605.3.D)

12. AS APPLICABLE, THE OWNER/DEVELOPER WILL PROVIDE COPIES OF THE REQUIRED PERMITS FROM THE RESPECTIVE GOVERNING AGENCIES, PRIOR TO ISSUANCE OF THE SDP. (LDC 605.3.CC)

13. THESE CONSTRUCTION PLANS HAVE BEEN DESIGNED UTILIZING GEOTECHNICAL REPORT CONDUCTED BY AREHNA ENGINEERING, INC. DATED JUNE 19, 2015.

PROPOSED R.O.W. TAKING

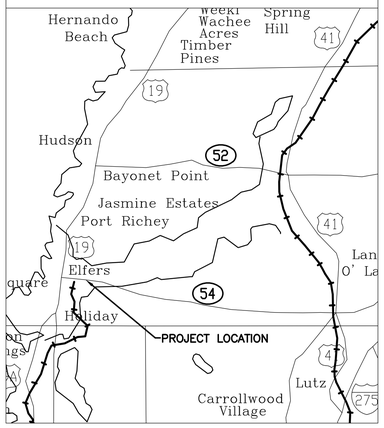
PROJECT DATA	PARCEL "A"	PARCEL "B"
Total Site Area	± 2.88 AC (125,284 SF)	
Total Parcel Area	± 1.95 AC (84,814 SF)	± 0.93 AC (40,470 SF)
S.R. 54 R.O.W. Taking	± 0.11 AC (4,980 SF)	± 0.06 AC (2,647 SF)
Madison Street R.O.W. Taking	± 0.10 AC (4,374 SF)	± 0.00 AC (0 SF)
Proposed Total Parcel Area	± 1.73 AC (75,460 SF)	± 0.87 AC (37,823 SF)
Proposed Total Site Area	± 2.60 AC (113,283 SF)	

SITE CRITERIA CHECKLIST

PROJECT DATA	
Total Site Area	± 2.60 AC (113,283 SF)
Parcel "A" (Racetrac Site)	± 1.73 AC (75,460 SF)
Parcel "B"	± 0.87 AC (37,823 SF)
FAR Allowable	0.50
FAR Proposed	(5,928 / 75,460) = 0.08
Allowable Building Size	42,182 SF
Existing Total Building Size	5,595 SF
Proposed Total Building Size	5,928 SF
Parking Spaces Required (*)	25 Spaces
Parking Spaces Provided	30 Spaces
Standard Size Of Parking Space	10' X 20'
Total Handicap Parking Required	2 Spaces
Total Handicap Parking Provided	2 Spaces
Predevelopment Impervious Area	± 1.87 AC (81,451SF)
Total Proposed Impervious Area	± 1.13 AC (49,070 SF)
Impervious Surface Ratio Allowable	0.75
Impervious Surface Ratio Proposed	0.65
LAND INFORMATION	
Land Lot	Existing Vacant Bank
Parcel Number	17-26-16-0000-02900-0030
North Setback (Rear)	0'
South Setback (Front)	25'
East Setback (Side)	25'
West Setback (Side)	20'
ZONING INFORMATION	
Existing Zoning	C-2 (Commercial General)
Future Land Use	Gas Station with Convenience Store
Adjacent Zoning	C-2 (Commercial General)
Building Height Allowable	60'
Building Height Proposed	27'
LANDSCAPE INFORMATION	
North Landscape (**)	10' Type B
South Landscape	20' Type G
East Landscape	15' Type B
West Landscape	15' Type B

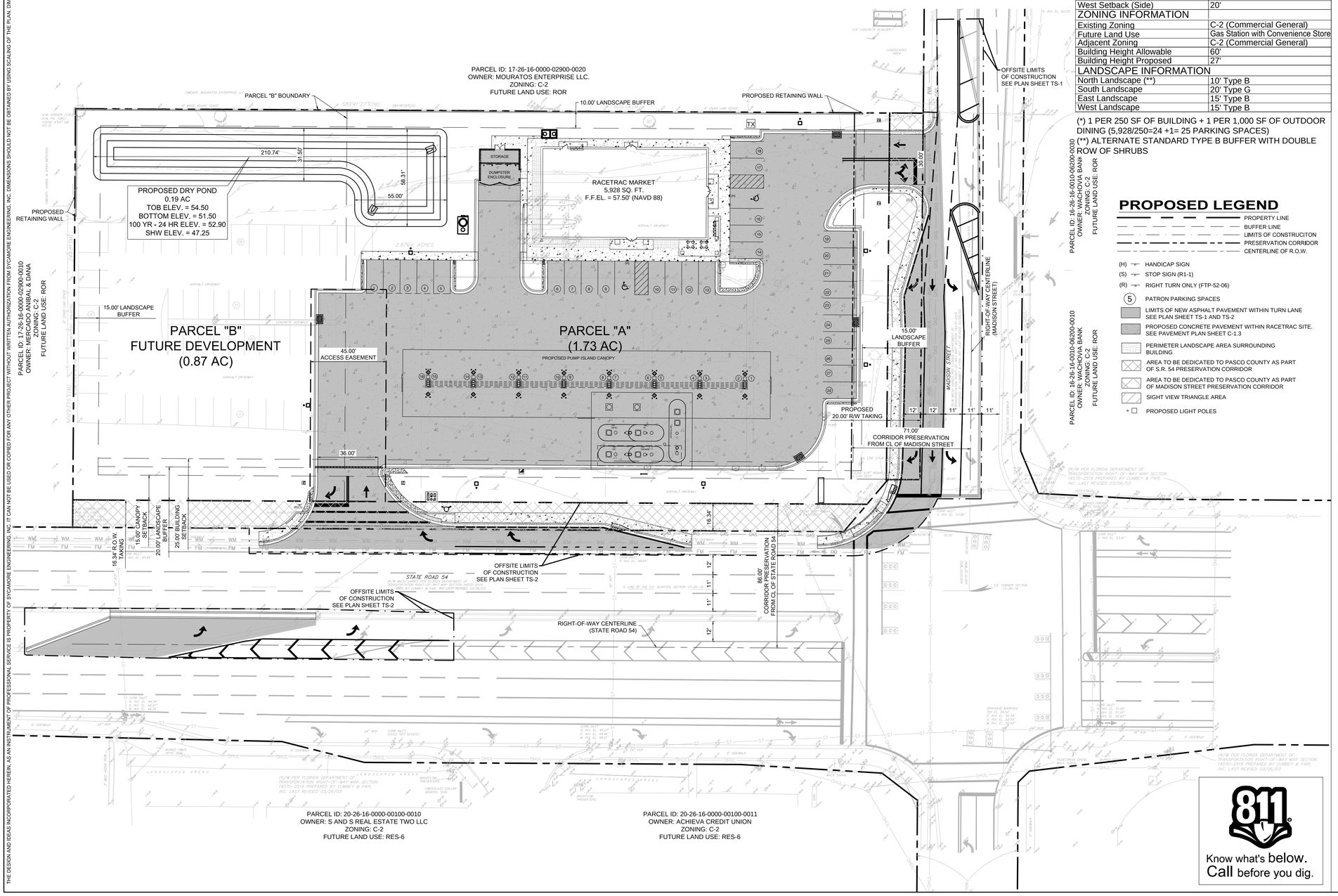
(*) 1 PER 250 SF OF BUILDING + 1 PER 1,000 SF OF OUTDOOR DINING (5,928/250=24 +1= 25 PARKING SPACES)
(**) ALTERNATE STANDARD TYPE B BUFFER WITH DOUBLE ROW OF SHRUBS

VICINITY MAP NTS



LEGEND

- PROPOSED ELEMENTS
- EXISTING ELEMENTS
- WATER LINE
- OVERHEAD ELECTRICAL LINE
- UNDERGROUND ELECTRICAL LINE
- TELEPHONE LINE
- GAS LINE
- SANITARY SEWER LINE
- DETAIL REFERENCE
- N-5000.00 E-5000.00 NORTHING & EASTING COORDINATES
- ELECTRICAL TRANSFORMER PAD
- PARKING SPACE COUNT / DISPENSER NUMBER
- STORM CATCH BASIN
- AIR-VAC STAND
- STORM OUTLET CONTROL STRUCTURE
- FIRE HYDRANT
- POWER POLE



PROPOSED LEGEND

- PROPERTY LINE
- BUFFER LINE
- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- (H) HANDICAP SIGN
- (S) STOP SIGN (R1-1)
- (R) RIGHT TURN ONLY (FTP-52-06)
- 5 PATRON PARKING SPACES
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE SEE PLAN SHEET TS-1 AND TS-2
- PROPOSED CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT PLAN SHEET C-1.3
- PERIMETER LANDSCAPE AREA SURROUNDING BUILDING
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF MADISON STREET PRESERVATION CORRIDOR
- SIGHT VIEW TRIANGLE AREA
- PROPOSED LIGHT POLES

SITE PLAN NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH PASCO COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF TOWERS, SLOPE PAVING, COLUMNS, DOOR LOCATIONS, AND UTILITY ENTRANCES.
3. ALL DISTURBED AREAS SHALL RECEIVE 4 INCHES OF TOPSOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
4. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED, OR RELOCATED PER PLANS. ALL COST SHALL BE INCLUDED IN BASE BID.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED PER PLANS. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
6. ALL CURB DIMENSIONS ARE TO THE FACE OF GUTTER OF CURB UNLESS OTHERWISE NOTED.
7. ALL BUILDING DIMENSIONS ARE TO THE FACE OF STRUCTURAL CMU.
8. THE BOTTOM OF CANOPY AT ITS LOWEST POINT IS TO BE 18 FEET ABOVE THE FINISH FLOOR ELEVATION OF THE BUILDING.
9. ALL STRIPING ON THIS PLAN IS TO BE PAINTED WITHIN 48 HOURS OF COMPLETED PAVING UNLESS OTHERWISE NOTED.

811 Know what's below. Call before you dig.

NORTH

15' 0' 30' 60' 90'
GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

J.D. ALSABAGH, P.E.
FL P.E. #58995

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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

OVERALL SITE PLAN
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 30'
DRAWING NAME:	R0907 C-1.1 OVERALL SP.dwg
C-1.1	
SHEET NO.	VERSION

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PROPOSED SITE LEGEND

1. DIRECTIONAL ARROWS WITHIN ENTRANCE DRIVE SHALL BE WHITE PAINT PER FDOT INDEX NO 17346.
2. PROPOSED HEAVY DUTY CONCRETE DUMPSTER PAD AND DUMPSTER SCREENING ENCLOSURE. SEE ARCH. PLANS & DETAIL 12 ON SHEET SD1 FOR DETAILS.
3. 2' WIDE WHITE PAINT STOP BAR PER FDOT INDEX NO. 17346
4. ONSITE CONCRETE CURB (TYP.) SEE DETAIL NO. 1 & 2 ON SHEET SD1.
5. PROPOSED CONCRETE SIDEWALK. SEE DETAIL NO. 2 ON SHEET SD5.
6. PROPOSED DOUBLE YELLOW SOLID LINE 6" THICK (SDYL/6")
7. H.C. RAMP CUT PER FDOT INDEX NO. 304 & 17346.
8. PROPOSED OUTSIDE TABLE AREA. SEE ARCH. PLANS FOR DETAILS.
9. PROPOSED AIR-VAC STAND. SEE DETAIL NO. 3 SHEET SD2.
10. PROPOSED ELECTRICAL TRANSFORMER. LOCATION TO BE COORDINATED WITH ARCH. PLANS, THE OWNER REPRESENTATIVE AND ELECTRICAL COMPANY. SEE SHEET U1 FOR MORE DETAILS.
11. 6" THICK PAINTED WHITE SOLID LINE (SSWL / 6") PER FDOT INDEX NO 17346.
12. PROPOSED LED PRICE LOGO SIGN 100 SF PER PASCO COUNTY REQUIREMENTS. PERMITTED SEPARATELY.
13. PROPOSED RECESSED MAT & FRAME WITH DRAIN. SEE ARCH. PLANS FOR DETAILS.
14. PROPOSED LIGHT POLE. SEE DETAILS ON SHEET SL-4.
15. PROPOSED CONCRETE BOLLARD (TYP.) SEE DETAIL NO. 1 ON SHEET SD2.
16. PROPOSED DECORATIVE LIGHTING POLES. SEE DETAIL NO. 5 ON SHEET SD4.
17. PROPOSED UNDERGROUND STORAGE TANK AREA. SEE TANK PLANS FOR DETAILS (BY OTHERS), AND DETAILS NO. 3 AND 11 ON SHEET SD1.
18. PROPOSED LOGO SIGN ON CANOPY. SEE ARCH. AND SIGN PACKAGE PLANS FOR DETAILS (BY OTHERS).
19. H.C. PARKING SIGN ATTACHED TO BOLLARD. SEE DETAIL NO. 2 ON SHEET SD2.
20. PROPOSED GREASE TRAP. SEE DETAIL NO. 9 ON SHEET S-2 FOR MORE DETIALS.
21. PERIMETER LANDSCAPE AREA: REQUIRED = 5,928 SF BUILDING X 10% = 593 S.F. (PROVIDED = 750 S.F.) SEE SHEET L1.1 FOR DETAILS.
22. WHITE PAINT ACCESSIBLE SYMBOL PAINTED ON PAVEMENT (TYP.). SEE DETAIL NO. 4 ON SHEET SD5.
23. PROPOSED 20' x 50' (REQUIRED 12' x 50') LIMITS AFTER HOURS TRUCK LOADING SPACE.
24. PROPOSED CONCRETE FLUME. SEE DETAIL NO. 4 ON SHEET SD5.
25. LIMITS OF GAS PUMP CANOPY. SEE ARCH. PLANS FOR DETAILS (BY OTHERS).
26. PROPOSED TRENCH DRAIN LIMITS. SEE SHEET C-2.2 AND DETAILS NO. 5 & 6 ON SHEET SD2 FOR MORE INFO.
27. EMERGENCY SHUT-OFF SWITCH.
28. PROPOSED HANDICAPPED PARKING (TYP.), SEE DETAIL NO. 4 ON SHEET SD5.
29. PROPOSED 12' x 50' LOADING/UNLOADING AREA FOR GAS TRUCKS.
30. PROPOSED HOSE BIBB (TYP.) SEE DETAIL 4 SHEET SD2 & SHEET U1.
31. PROPOSED ISLAND DISPENCER. SEE DETAIL A1 SHEET T3 (TYP.) OF TANK PLANS.
32. PROPOSED 45' WIDE ACCESS EASEMENT FOR RACETRAC SITE (PARCEL "A") AND PARCEL B.
33. PROPOSED LOCATION FOR WATER & IRRIGATION METER AND FIRE LINE DOUBLE DETECTOR CHECK VALVE WITH CONCRETE PAD. SEE UTILITY PLAN (SHEET C-3.1) FOR DETAILS.
34. PROPOSED 6' HIGH BACK PLASTIC COATED CHAIN LINK FENCE.
35. PROPOSED LIFT STATION. SEE SHEET C-3.4 FOR MORE DETAILS
36. OFF-SITE LIMITS OF PAVING. SEE SHEET TS-1 FOR MORE INFORMATION.
37. REMOVE EXISTING CURB AND REPLACE TO MATCH AND MEET EXISTING.
38. LIMITS OF PAVEMENT SAW CUT.
39. LIMITS OF CONCRETE PAVEMENT WITHIN RACETRAC SITE .
40. PROPOSED 2'x2' CONCRETE PAD. SEE DETAIL 8 ON SHEET SD1
41. PROPOSED TRASH CAN (TYP.).
42. PROPOSED CANOPY COLUMN (TYP.).
43. H.C. PARKING SIGN ATTACHED TO BOLLARD. SEE DETAIL 2 ON SHEET SD2.
44. 1' CONCRETE BACKING AREA AS PER DETAIL 4 & 6 ON SHEET SD1
45. 2' CONCRETE BACKING AREA WITH 45° TAPER AS PER DETAIL 4 & 6 ON SHEET SD1
46. 3' CONCRETE BACKING AREA WITH 45° TAPER AS PER DETAIL 4 & 6 ON SHEET SD1
47. PROPOSED 5' WIDE CROSSWALK, 1' WHITE PAINT, 24" O.C., 2% MAX CROSS SLOPE PER FDOT INDEX NO. 17346.
48. PROPOSED RETAINING WALL. DESIGN BE OTHERS. SEE SHEET C-1.1 FOR LIMITS OF WALL.

SITE PLAN NOTES:

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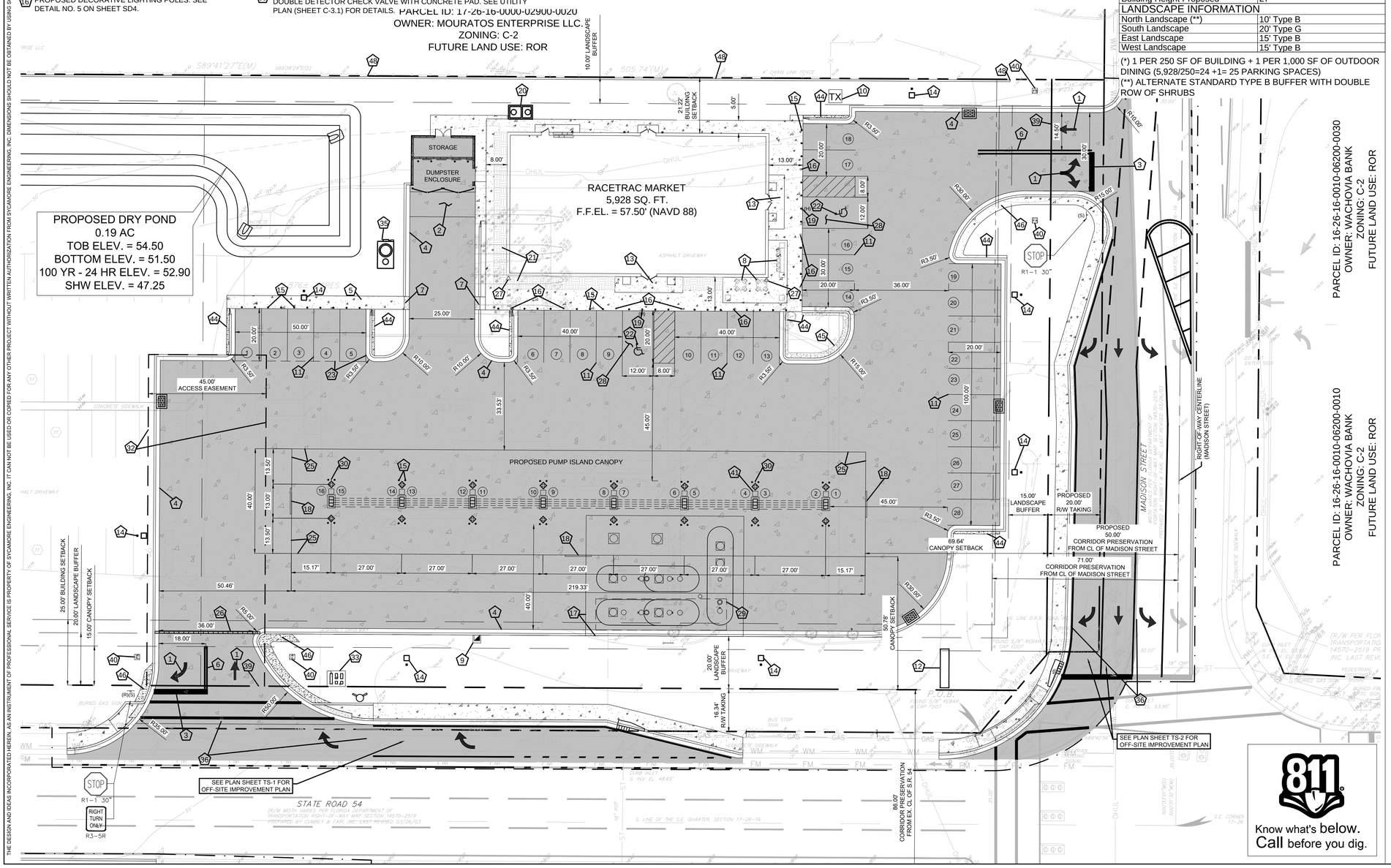
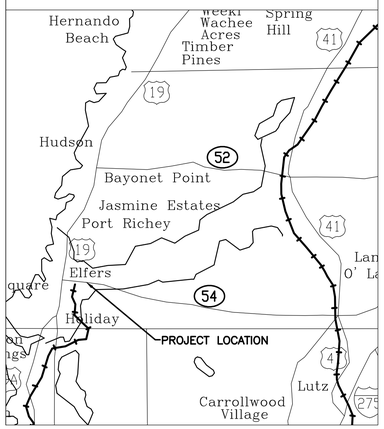
SITE CRITERIA CHECKLIST

PROJECT DATA	
Total Site Area	± 2.60 AC (113,283 SF)
Parcel "A" (Racetrac Site)	± 1.73 AC (75,460 SF)
Parcel "B"	± 0.87 AC (37,823 SF)
FAR Allowable	0.50
FAR Proposed	(5,928 / 75,460) = 0.08
Allowable Building Size	42,182 SF
Existing Total Building Size	5,595 SF
Proposed Total Building Size	5,928 SF
Parking Spaces Required (*)	25 Spaces
Parking Spaces Provided	30 Spaces
Standard Size Of Parking Space	10' X 20'
Total Handicap Parking Required	2 Spaces
Total Handicap Parking Provided	2 Spaces
Predevelopment Impervious Area	± 1.87 AC (81,451SF)
Total Proposed Impervious Area	±1.13 (49,070 SF)
Impervious Surface Ratio Allowable	0.75
Impervious Surface Ratio Proposed	0.65
LAND INFORMATION	
Land Lot	Existing Vacant Bank
Parcel Number	17-26-16-0000-02900-0030
North Setback (Rear)	0'
South Setback (Front)	25'
East Setback (Side)	25'
West Setback (Side)	20'
ZONING INFORMATION	
Existing Zoning	C-2 (Commercial General)
Future Land Use	Gas Station with Convenience Store
Adjacent Zoning	C-2 (Commercial General)
Building Height Allowable	60'
Building Height Proposed	27'
LANDSCAPE INFORMATION	
North Landscape (**)	10' Type B
South Landscape	20' Type G
East Landscape	15' Type B
West Landscape	15' Type B

(*) 1 PER 250 SF OF BUILDING + 1 PER 1,000 SF OF OUTDOOR DINING (5,928/250=24 +1= 25 PARKING SPACES)
(**) ALTERNATE STANDARD TYPE B BUFFER WITH DOUBLE ROW OF SHRUBS



VICINITY MAP NTS



GENERAL LEGEND

- PROPOSED ELEMENTS
- EXISTING ELEMENTS
- WM — WATER LINE
- OHEL — OVERHEAD ELECTRICAL LINE
- ELEC — UNDERGROUND ELECTRICAL LINE
- TEL — TELEPHONE LINE
- GAS — GAS LINE
- S — SANITARY SEWER LINE
- 4 / SD-4 — DETAIL REFERENCE
- N-5000.00 E-5000.00 — NORTHING & EASTING COORDINATES
- TX — ELECTRICAL TRANSFORMER PAD
- 1 — PARKING SPACE COUNT / DISPENSER NUMBER
- STORM CATCH BASIN
- AIR-VAC STAND
- OCS — STORM OUTLET CONTROL STRUCTURE
- FIRE HYDRANT
- PP — POWER POLE

PROPOSED SITE LEGEND

- PROPERTY LINE
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- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- (H) — HANDICAP SIGN
- (S) — STOP SIGN (R1-1)
- (R) — RIGHT TURN ONLY (FTP-52-06)
- 5 — PATRON PARKING SPACES
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE SEE PLAN SHEET TS-1 AND TS-2
- PROPOSED CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT PLAN SHEET C-1.3
- PERIMETER LANDSCAPE AREA SURROUNDING BUILDING
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF MADISON STREET PRESERVATION CORRIDOR
- SIGHT VIEW TRIANGLE AREA
- PROPOSED LIGHT POLES

NORTH

10' 0' 20' 40' 60'
GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

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SITE PLAN
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME:	R0907 C-1.2 SDP.dwg
C-1.2	
SHEET NO.	VERSION

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FLOOD ZONE

ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY NUMBER 120230 PANEL NUMBER 0354, SUFFIX D, REVISED SEPTEMBER 30, 1992 FOR PASCO COUNTY, FLORIDA. THE PROPERTY APPEARS TO LIE IN FLOOD ZONE "X" ACCORDING TO THE FLOOD INSURANCE RATE MAP.

ZONE "X" IS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD.

REFER TO SHEET ES-0 & ES-1 FOR STORMWATER POLLUTION PREVENTION NOTES AND PLAN AND DETAILS

NOTES

1. THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.
2. PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDINGS, ACCESSORIES, AND RETAINING WALLS)
3. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.
4. ALL SODDED SLOPES OVER 4 TO 1, SHALL BE INSTALLED WITH SOD PEGS.
5. REFER TO SHEET D1 FOR THE TREES TO BE REMOVED.
6. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE STORM DRAINAGE SYSTEM ON A REGULAR BASIS.
7. ALL FIRST FLOOR ELEVATIONS (FF) SHALL BE A MINIMUM OF 1.0' ABOVE THE BASE FLOOD ELEVATION OR AS REQUIRED BY THE PASCO COUNTY LDC.
8. ALL DRIVEWAY ENTRANCES ARE NOT TO EXCEED 5% SLOPE.

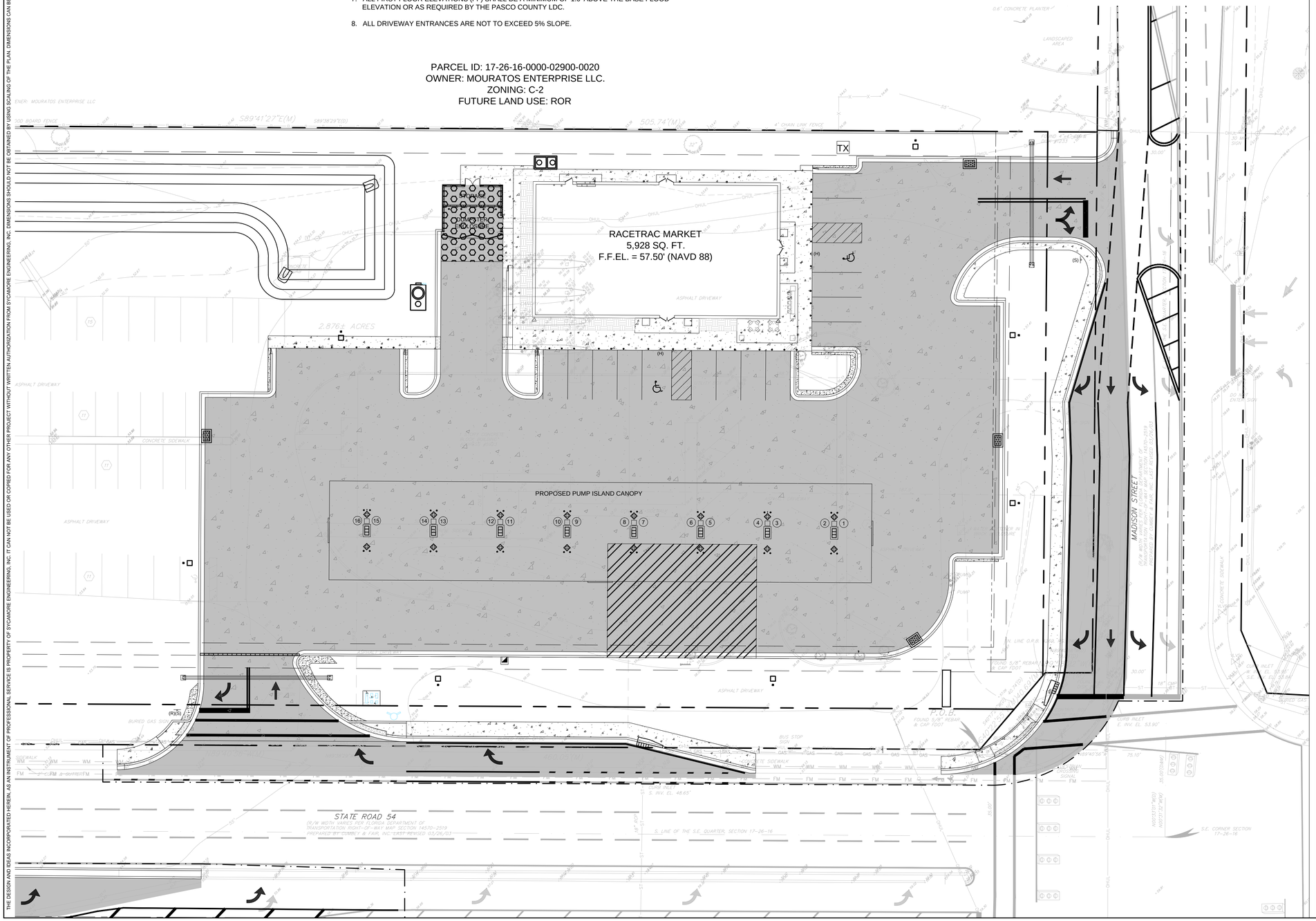
EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO THE OWNER(S). THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

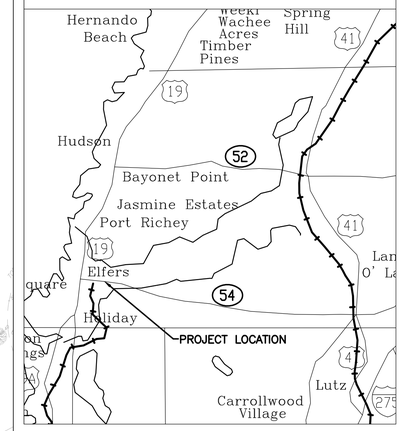
PAVING NOTES:

1. CONCRETE AREAS TO BE 6" THICK 4000 PSI AIR ENTRAINED, W/FIBER MESH. MAXIMUM SLUMP TO BE NO MORE THAN 4". ALL CONCRETE TO BE WOOD FLOATED AND STEEL TROWELED. FINISH TO BE MEDIUM BROOM FINISH. AREA OVER TANKS TO BE 8" THICK 4000 PSI W/REBAR AS SHOWN ON TANK PLANS. AREA IN FRONT OF DUMPSTER TO BE 8" THICK W/FIBER MESH.
2. NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. RACETRAC REPRESENTATIVE TO APPROVE INITIAL POUR.
3. NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. RACETRAC REPRESENTATIVE TO APPROVE INITIAL POUR.

PARCEL ID: 17-26-16-0000-02900-0020
OWNER: MOURATOS ENTERPRISE LLC.
ZONING: C-2
FUTURE LAND USE: ROR



VICINITY MAP NTS



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- (R) RIGHT TURN ONLY (FTP-52-06)
- PROPOSED LIGHT POLES
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE SEE PLAN SHEET TS-1 AND TS-2 FOR SPECIFICATIONS
- PROPOSED 6" CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT NOTES ON THIS SHEET.
- 8" CONCRETE WITH REBAR FOR DUMPSTER PAD. SEE SHEET SD-1, DETAIL 12.
- 8" CONCRETE WITH REBAR FOR TANK PAD . SEE SHEET SD-1, DETAIL 3 & 11.
- 4" CONCRETE SIDEWALK . SEE SHEET SD-6, DETAIL 2.

NORTH

10' 0' 20' 40' 60'
GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

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State Road 54 @ Madison Street
New Port Richey, FLorida
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DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 C-1.3 PAVING PLAN.dwg	
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POINT TABLE

PT #	NORTHING	EASTING	DESCRIPTION
1	1412598.292	425260.0179	BOUNDARY CORNER
2	1412595.564	425765.755	BOUNDARY CORNER
3	1412376.923	425763.7493	BOUNDARY CORNER
4	1412376.932	425744.7268	BOUNDARY CORNER
5	1412345.939	425718.3668	BOUNDARY CORNER
6	1412348.49	425258.3287	BOUNDARY CORNER
7	1412339.985	425369.4169	BC PC
8	1412372.735	425369.4169	CENTER OF RADIUS
9	1412372.735	425402.1669	BC PT
10	1412490.579	425402.8205	BC
11	1412490.429	425429.8619	BC PC
12	1412491.678	425430.1189	CENTER OF RADIUS
13	1412491.671	425431.3689	BC PT
14	1412508.171	425431.4604	BC
15	1412507.869	425485.9596	BC
16	1412491.369	425485.8681	BC PC
17	1412491.362	425487.1181	CENTER OF RADIUS
18	1412490.112	425487.1111	BC PT
19	1412490.095	425490.1111	BC PC
20	1412497.845	425490.1541	CENTER OF RADIUS
21	1412497.802	425497.9039	BC PT
22	1412556.152	425498.2276	BC
23	1412555.448	425501.0362	DUMPSTER CORNER
24	1412574.115	425501.1397	DUMPSTER CORNER
25	1412573.982	425525.1394	DUMPSTER CORNER
26	1412555.316	425525.0358	DUMPSTER CORNER
27	1412555.251	425525.473	SW CORNER
28	1412541.634	425527.6475	BC
29	1412497.639	425527.4035	BC PC
30	1412497.596	425535.1534	CENTER OF RADIUS
31	1412489.846	425535.1104	BC PT
32	1412489.829	425538.1103	BC PC
33	1412491.079	425538.1173	CENTER OF RADIUS
34	1412491.072	425539.3673	BC PT

POINT TABLE

PT #	NORTHING	EASTING	DESCRIPTION
35	1412507.572	425539.4588	BC
36	1412506.992	425643.9572	BC
37	1412490.493	425643.8656	BC PC
38	1412490.486	425645.1156	CENTER OF RADIUS
39	1412489.236	425645.1087	BC PT
40	1412489.18	425655.1897	BC PC
41	1412501.93	425655.2605	CENTER OF RADIUS
42	1412501.859	425668.0103	BC PT
43	1412505.234	425668.029	BC PC
44	1412505.241	425666.779	CENTER OF RADIUS
45	1412506.491	425666.7859	BC PT
46	1412506.582	425650.2862	BC
47	1412581.081	425650.6994	BC
48	1412580.99	425667.1991	BC PC
49	1412582.24	425667.2061	CENTER OF RADIUS
50	1412582.233	425668.456	BC PT
51	1412585.771	425668.4757	BC
52	1412585.248	425763.6585	BC PC
53	1412592.998	425763.7015	CENTER OF RADIUS
54	1412593.04	425771.4514	BC PT
55	1412596.04	425771.4514	BC
56	1412338.329	425627.6714	BC
57	1412338.335	425626.5797	BC
58	1412350.837	425575.5633	BC
59	1412351.307	425486.411	BC PC
60	1412399.056	425486.663	CENTER OF RADIUS
61	1412379.938	425442.9072	BC PT
62	1412381.039	425445.4272	CENTER OF RADIUS
63	1412383.79	425445.4032	BC PT
64	1412382.513	425675.5985	BC PC
65	1412414.762	425675.7773	CENTER OF RADIUS
66	1412414.596	425705.7769	BC PT
67	1412421.803	425707.3169	BC PC
68	1412421.792	425709.3168	CENTER OF RADIUS

POINT TABLE

PT #	NORTHING	EASTING	DESCRIPTION
69	1412423.792	425709.3279	BC PT
70	1412422.938	425728.0735	BC
71	1412527.437	425728.6531	BC
72	1412527.541	425709.9033	BC PC
73	1412528.791	425709.9103	CENTER OF RADIUS
74	1412529.057	425708.689	BC PT
75	1412523.147	425735.8023	CENTER OF RADIUS
76	1412550.896	425735.9562	BC PT
77	1412550.795	425754.2226	BC PC
78	1412538.045	425754.1519	CENTER OF RADIUS
79	1412536.676	425766.8391	BC PT
80	1412486.566	425751.7731	BC
81	1412463.449	425752.558	BC
82	1412440.84	425752.0727	BC
83	1412410.998	425751.4068	BC
84	1412384.573	425750.6793	BC PC
85	1412385.887	425702.9474	CENTER OF RADIUS
86	1412338.138	425702.6288	BC PT
87	1412508.176	425430.4604	SW CORNER
88	1412513.176	425430.4882	SW CORNER
89	1412512.79	425500.2371	SW CORNER
90	1412507.79	425500.2094	SW CORNER
91	1412574.138	425508.2417	SW CORNER
92	1412582.138	425508.2861	SW CORNER
93	1412581.975	425537.7026	SW CORNER
94	1412580.583	425537.6949	SW CORNER
95	1412580.627	425529.695	SW CORNER
96	1412556.624	425529.5619	SW CORNER
97	1412541.624	425529.4787	SW CORNER
98	1412512.628	425529.3179	SW CORNER
99	1412512.651	425525.2367	SW CORNER
100	1412507.651	425525.209	SW CORNER
101	1412506.957	425650.2883	SW CORNER
102	1412582.081	425650.7049	SW CORNER

POINT TABLE

PT #	NORTHING	EASTING	DESCRIPTION
103	1412582.109	425645.705	SW CORNER
104	1412579.984	425645.6932	SW CORNER
105	1412575.583	425537.6672	BUILDING CORNER
106	1412575.028	425637.6656	BUILDING CORNER
107	1412520.029	425637.3606	BUILDING CORNER
108	1412520.584	425537.3621	BUILDING CORNER
109	1412440.928	425470.4193	CENTER OF COLUMN
110	1412427.928	425470.3472	CENTER OF COLUMN
111	1412440.778	425497.4189	CENTER OF COLUMN
112	1412427.778	425497.3468	CENTER OF COLUMN
113	1412440.628	425524.4185	CENTER OF COLUMN
114	1412427.582	425524.3276	CENTER OF COLUMN
115	1412440.478	425551.418	CENTER OF COLUMN
116	1412427.479	425551.3459	CENTER OF COLUMN
117	1412440.329	425578.4176	CENTER OF COLUMN
118	1412427.329	425578.3455	CENTER OF COLUMN
119	1412440.179	425605.4172	CENTER OF COLUMN
120	1412427.179	425605.3451	CENTER OF COLUMN
121	1412440.029	425632.4168	CENTER OF COLUMN
122	1412427.029	425632.3447	CENTER OF COLUMN
123	1412439.879	425659.4164	CENTER OF COLUMN
124	1412426.88	425659.3443	CENTER OF COLUMN
125	1412582.739	425714.1694	CENTER ON INLET
126	1412470.895	425725.5347	CENTER ON INLET
127	1412390.121	425691.84	CENTER ON INLET
128	1412472.615	425405.5843	CENTER ON INLET
129	1412384.203	425443.135	TRENCH DRAIN CORNER
130	1412384.414	425402.9817	TRENCH DRAIN CORNER
131	1412539.965	425438.5537	MITEREND END SECTION
132	1412572.974	425469.5737	MITEREND END SECTION
133	1412534.166	425260.1643	CL OF RETAINING WALL
134	1412597.709	425260.5939	CL OF RETAINING WALL
135	1412595.178	425729.8163	CL OF RETAINING WALL

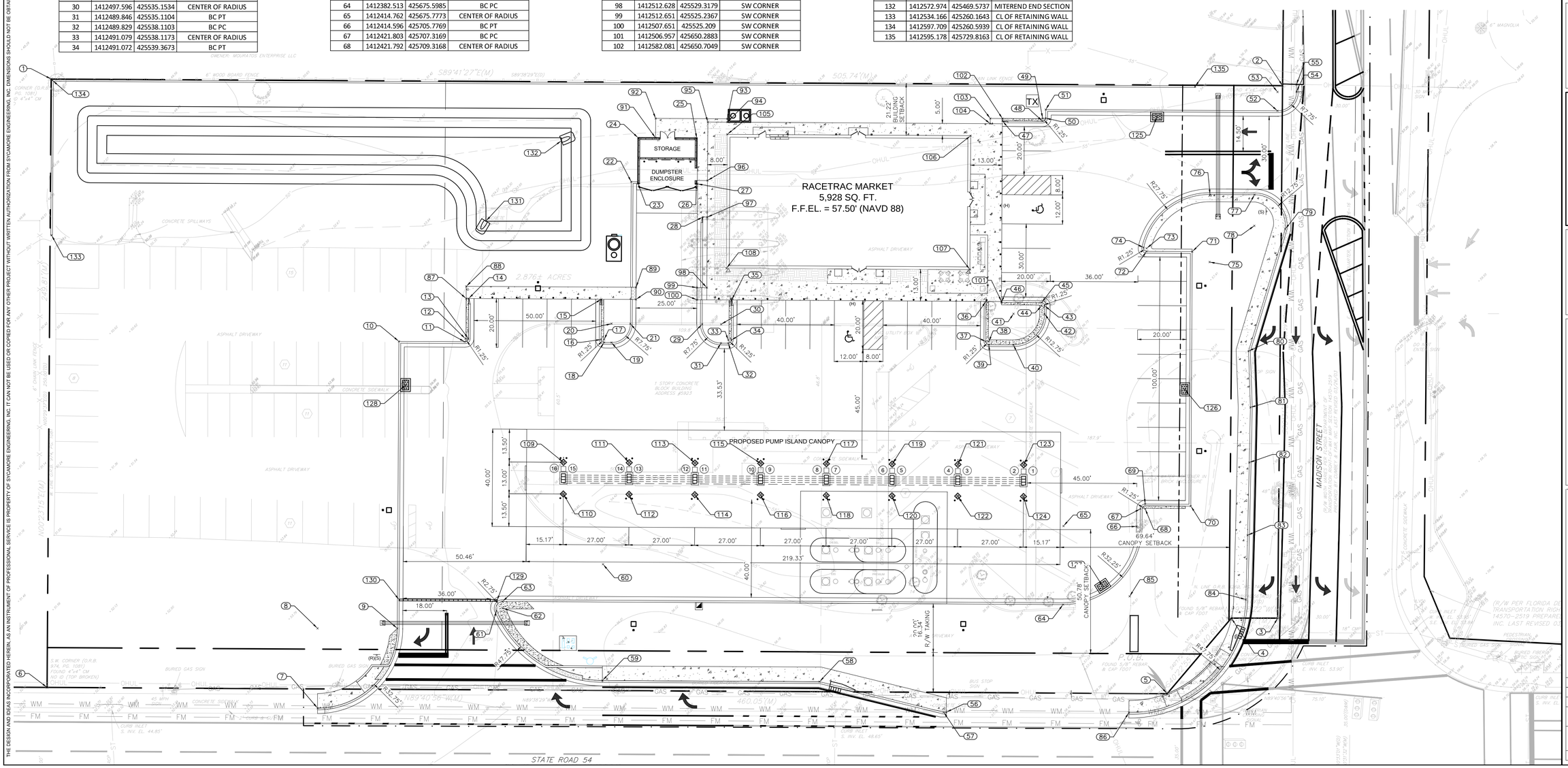
PROPOSED LEGEND

- PROPERTY LINE
- (H) HANDICAP SIGN
- (S) STOP SIGN (R1-1)
- (D) DO NOT ENTER SIGN (R51)
- (R) RIGHT TURN ONLY (FTP-52-06)
- (5) PATRON DISPENSERS NUMBER
- PROPOSED LIGHT POLES
- BC BACK OF CURB
- PC POINT OF CURVATURE
- PCC POINT OF CONTINUING CURVATURE
- SW SIDEWALK

NORTH

10' 0' 20' 40' 60'

GRAPHIC SCALE IN FEET



REVISIONS

NO.	REVISIONS	BY	DATE

J.D. AASBAGH, P.E.
FL P.E. #58995

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HORIZONTAL CONTROL PLAN
RACETRAC MARKET #1151

State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 C-1.4 HCP.dwg	
C-1.4	
SHEET NO.	VERSION

THE DESIGN AND IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS PROPERTY OF SYCAMORE ENGINEERING, INC. DIMENSIONS SHOULD NOT BE OBTAINED BY USING SCALING OF THE PLAN. DIMENSIONS CAN BE OBTAINED BY CONTACTING SYCAMORE ENGINEERING, INC. DIRECTLY. © 2015 SYCAMORE ENGINEERING, INC. AUTHORIZATION FROM SYCAMORE ENGINEERING, INC. IT CAN NOT BE USED OR COPIED FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION FROM SYCAMORE ENGINEERING, INC.

NOTES

1. THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.
2. PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDINGS, ACCESSORIES, AND RETAINING WALLS)
3. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.
4. ALL SODDED SLOPES OVER 4 TO 1, SHALL BE INSTALLED WITH SOD PEGS.
5. REFER TO SHEET D-1 FOR THE TREES TO BE REMOVED.
6. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE STORM DRAINAGE SYSTEM ON A REGULAR BASIS.
7. ALL FIRST FLOOR ELEVATIONS (FF) SHALL BE A MINIMUM OF 1' ABOVE THE BASE FLOOD ELEVATION OR AS REQUIRED BY THE PASCO COUNTY LDC.
8. ALL DRIVEWAY ENTRANCES ARE NOT TO EXCEED 5% SLOPE.
9. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE COMPLETE DRAINAGE SYSTEM ON A REGULAR BASIS.
10. DURING CONSTRUCTION IF SOMETHING IS UNCOVERED, PARTICULARLY OF AN ARCHEOLOGICAL NATURE, THAT ALL WORK SHALL STOP AND THAT THE STATE ARCHEOLOGICAL OFFICE AND THE COUNTY ARE NOTIFIED.
11. COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT CONDUCTED BY AREHNA ENGINEERING, INC. AND DATED JULY 19, 2015.

EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO THE OWNER(S). THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

FLOOD ZONE

ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY NUMBER 120230 PANEL NUMBER 0354, SUFFIX D, REVISED SEPTEMBER 30, 1992 FOR PASCO COUNTY, FLORIDA. THE PROPERTY APPEARS TO LIE IN FLOOD ZONE "X" ACCORDING TO THE FLOOD INSURANCE RATE MAP.

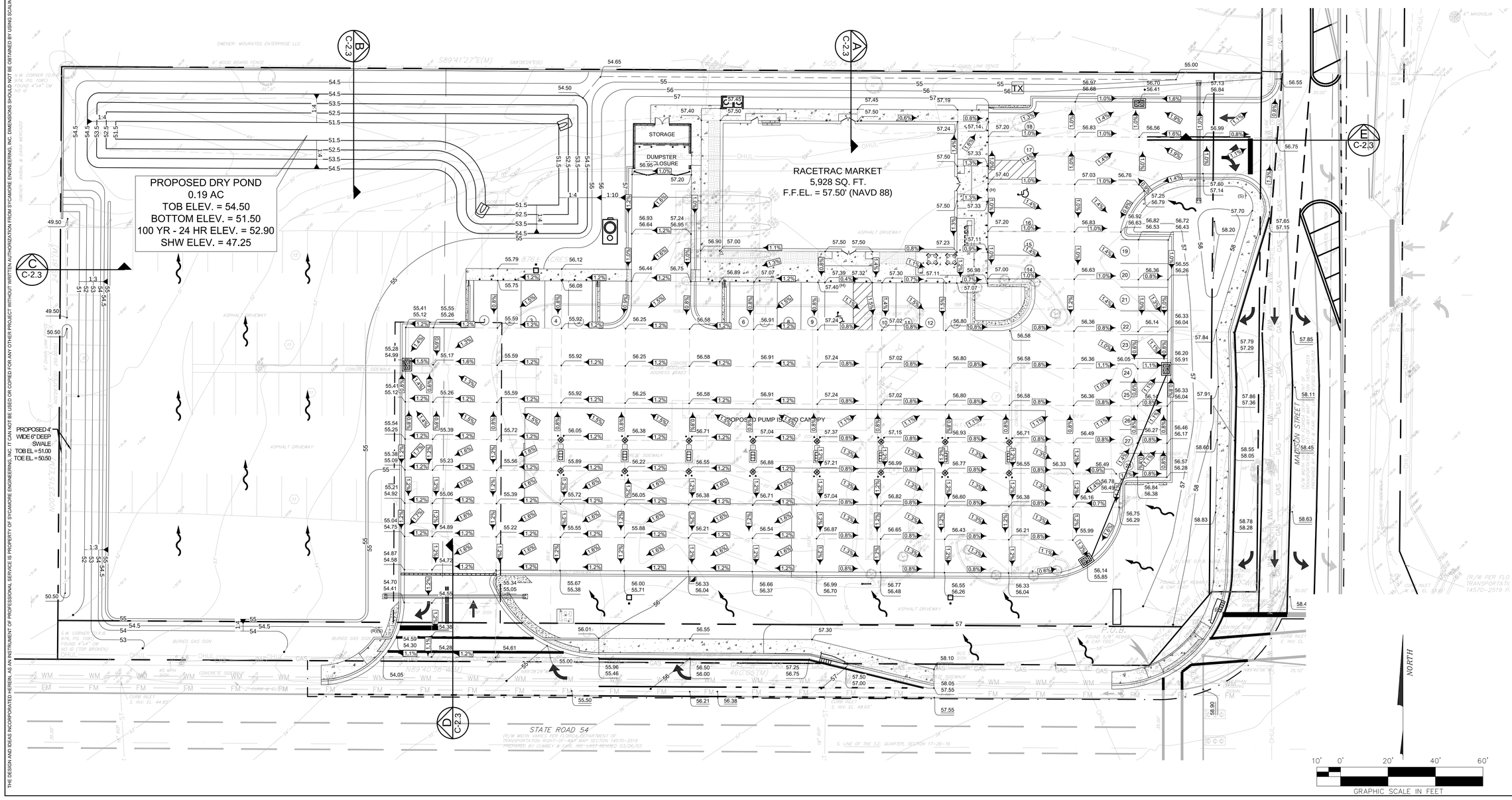
ZONE "X" IS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD.

REFER TO SHEET ES-0 & ES-1 FOR STORMWATER POLLUTION PREVENTION NOTES, PLAN AND DETAILS

Know what's below. Call before you dig.

PROPOSED LEGEND

- PROPERTY LINE
- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- HIGH POINT / TOE OF SLOPE
- (S) STOP SIGN (R1-1)
- (R) RIGHT TURN ONLY (FTP-52-06)
- PROPOSED LIGHT POLES
- 54 CONTOUR
- 57.77 MEET EXISTING GRADE (±)
- 58.23 TOP OF CURB
- 57.77 TOP OF PAVEMENT
- FLOW DIRECTION



NO.	REVISIONS	BY	DATE

J.D. AASBAGH, P.E.
FL P.E. #58995

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(770) 431-7600

GRADING PLAN
RACETRAC MARKET #1151

State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907C2.1&C2.3GRADINGPLAN.dwg	
C-2.1	
SHEET NO.	VERSION

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FLOOD ZONE

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NOTES

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3. REFER TO SHEET D-1 FOR THE TREES TO BE REMOVED.
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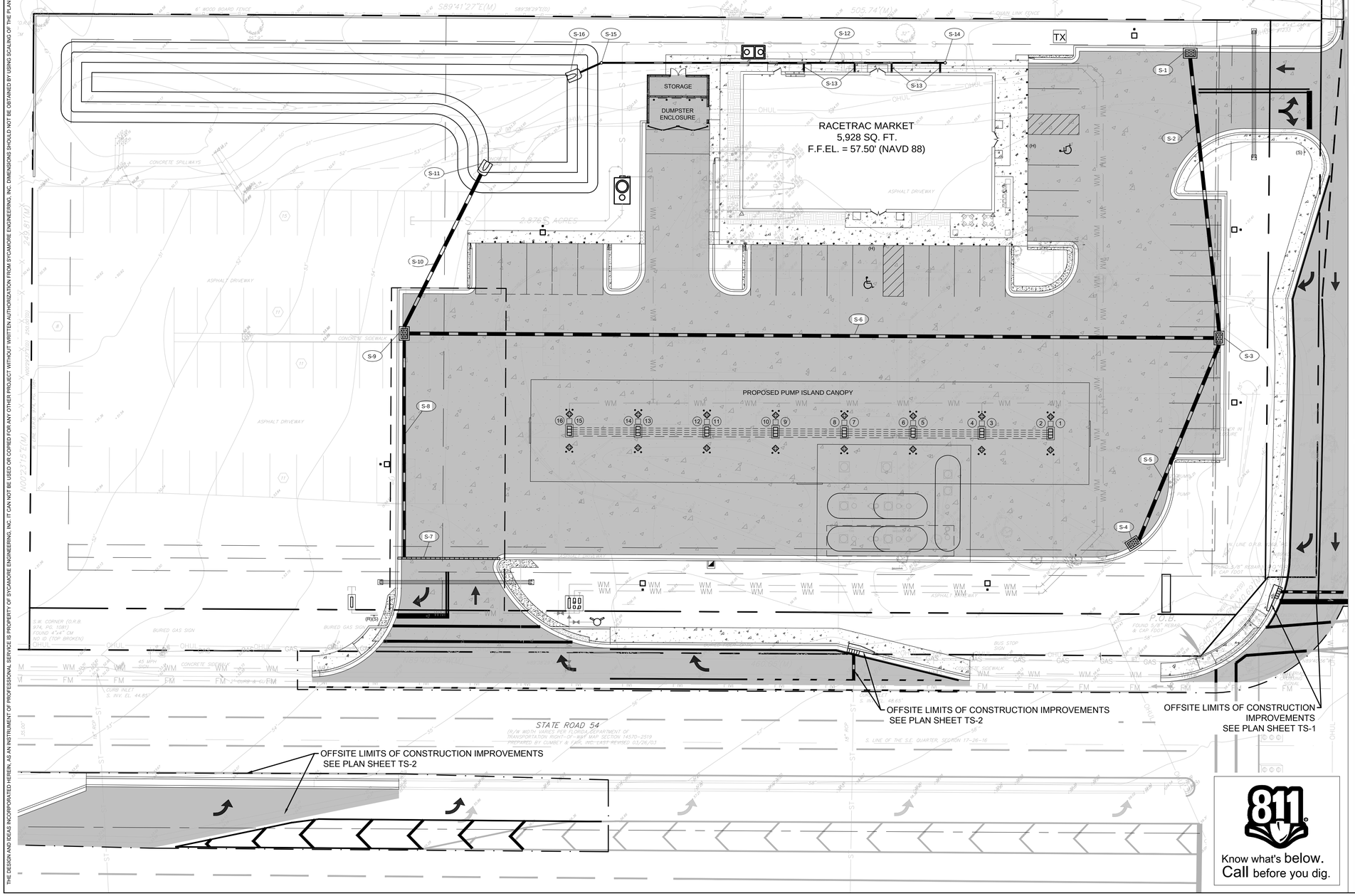
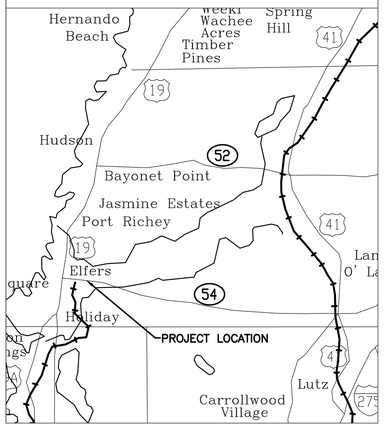
PROPOSED STORM SEWER SCHEDULE

S-1	TYPE C INLET PER FDOT INDEX NO. 232 TOP ELEV. = 56.41 E. INV. = 52.38
S-2	113LF ~ 15" RCP @ 0.34%
S-3	TYPE E INLET PER FDOT INDEX NO. 232 TOP ELEV. = 55.91 N., SW. & W. INV. = 52.00
S-4	TYPE E INLET PER FDOT INDEX NO. 232 TOP ELEV. = 55.85 NE. INV. = 52.43
S-5	85 LF ~ 15" RCP @ 0.35%
S-6	321 LF ~ 15" RCP @ 0.11%
S-7	38 LF TRENCH DRAIN WITH OUTLET CONNECTION AND PER DETAIL 11 ON SHEET SD1 TOP ELEV. = 54.68 N. INV. = 52.15
S-8	85 LF ~ 12" HDPE @ 0.60%
S-9	TYPE E INLET PER FDOT INDEX NO. 232 TOP ELEV. = 54.99 NW., E. & S. INV. = 51.65
S-10	75 LF ~ 15" RCP @ 0.35 %
S-11	MITERED END SECTION PER FDOT INDEX NO. 272 INV. = 51.50
S-12	143 LF ~ 10" ADS STORMPIPE @ 0.55 %
S-13	SUB SURFACE DOWNSPOUT CONNECTION REFER TO ARCH./MEP PLAN IE = 55.50 @ BUILDING (5 LF ~ 6" ADS STORM PIPE @ 2.00% MIN. SLOPE)
S-14	TWO WAY STORMWATER CLEANOUT. TOP ELEV. = 57.40 INV. = 54.00
S-15	TWO WAY STORMWATER CLEANOUT. TOP ELEV. = 55.50 INV. = 51.65
S-16	MITERED END SECTION PER FDOT INDEX NO. 272 INV. = 51.50

OWNER: MOURATOS ENTERPRISE LLC.
ZONING: C-2
FUTURE LAND USE: ROR



VICINITY MAP NTS



LEGEND

- PROPOSED ELEMENTS
- EXISTING ELEMENTS
- WM — WATER LINE
- OHEL — OVERHEAD ELECTRICAL LINE
- ELEC — UNDERGROUND ELECTRICAL LINE
- TEL — TELEPHONE LINE
- GAS — GAS LINE
- S — SANITARY SEWER LINE
- 4 / SD-4 — DETAIL REFERENCE
- N-5000.00 E-5000.00 — NORTHING & EASTING COORDINATES
- TX — ELECTRICAL TRANSFORMER PAD
- 1 — PARKING SPACE COUNT / DISPENSER NUMBER
- STORM CATCH BASIN
- AIR-VAC STAND
- OCS — STORM OUTLET CONTROL STRUCTURE
- FIRE HYDRANT
- PP — POWER POLE

PROPOSED LEGEND

- PROPERTY LINE
- BUFFER LINE
- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- STORM PIPE
- TRENCH DRAIN
- (H) HANDICAP SIGN
- (S) STOP SIGN (R1-1)
- (R) RIGHT TURN ONLY (FTP-52-06)
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE SEE PLAN SHEET TS-1 AND TS-2
- PROPOSED CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT PLAN SHEET C-1.3
- PERIMETER LANDSCAPE AREA SURROUNDING BUILDING
- PROPOSED LIGHT POLES
- S-1 STORM STRUCTURE DESIGNATION

NORTH

10' 0' 20' 40' 60'
GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

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DRAINAGE PLAN
RACETRAC MARKET #1151

State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 C-2.2 DRAINAGE PLAN.dwg	
C-2.2	
SHEET NO.	VERSION

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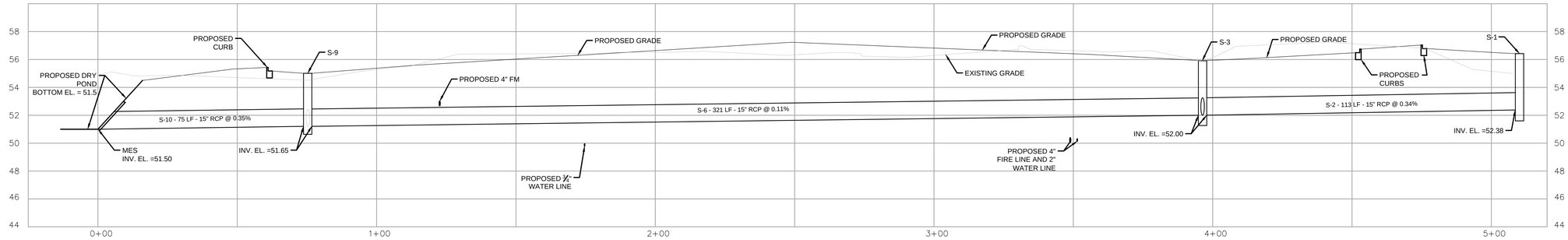
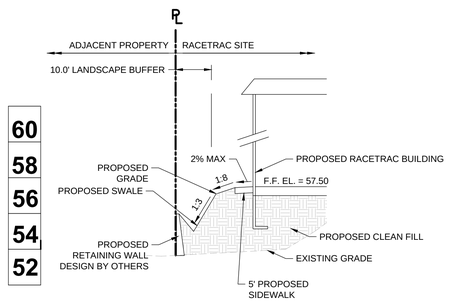


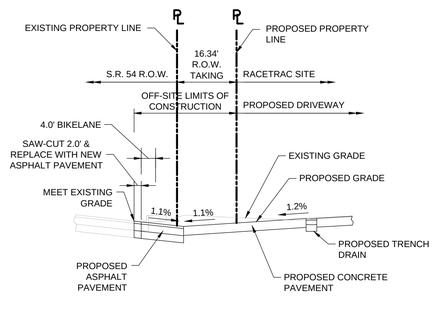
STORM PROFILE S-1, S-3, & S-9 ALONG PIPE ROUTE S-2, S-10 & S-6

SCALE: HORIZ. 1"=20'
VERT. 1"= 4'



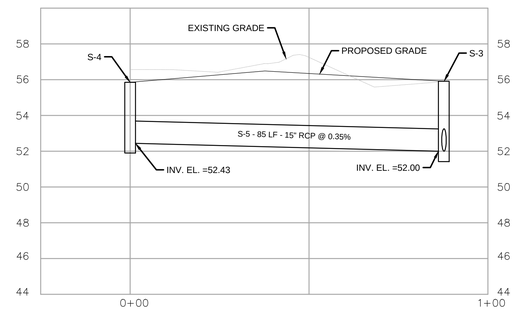
SECTION A / C-2.1

SCALE: HORIZ. 1"=20'
VERT. 1"=4'



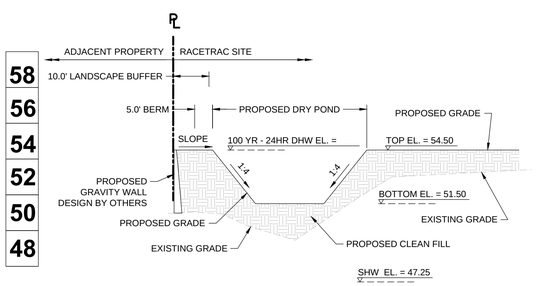
SECTION D / C-2.1

SCALE: HORIZ. 1"=20'
VERT. 1"=4'



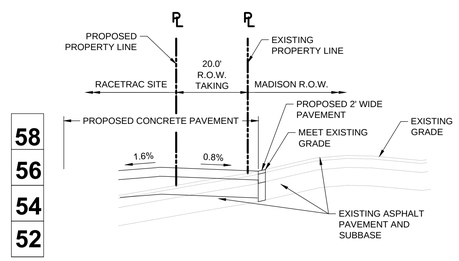
STORM PROFILE S-3 & S-4 ALONG PIPE ROUTE S-5

SCALE: HORIZ. 1"=20'
VERT. 1"= 4'



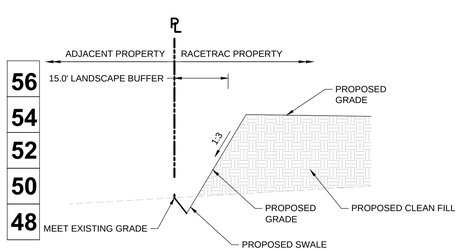
SECTION B / C-2.1

SCALE: HORIZ. 1"=20'
VERT. 1"=4'



SECTION E / C-2.1

SCALE: HORIZ. 1"=20'
VERT. 1"=4'



SECTION C / C-2.1

SCALE: HORIZ. 1"=20'
VERT. 1"=4'

811 Know what's below. Call before you dig.

NO.	REVISIONS	BY	DATE

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(770) 431-7600

STORM WATER SECTIONS & PROFILE
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 C-2.1 & C-2.3 GRADING PLAN.dwg	
C-2.3	
SHEET NO.	VERSION

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UTILITY AND FIRE GENERAL NOTES

1. THE MASTER METER ASSEMBLY WILL BE DIRECTLY ACCESSIBLE BY BOOM TRUCK OFF OF THE COUNTY / FDOT R.O.W. OR BY AN INTERIOR ROAD THAT IS NOT BLOCKED BY A WALL OR GATE. THE ELEVATION OF THE CONCRETE SLAB WILL BE HIGHER THAN THE IMMEDIATE SURROUNDING AREA. DO NOT MULCH AREA AROUND SLAB. DO NOT PLANT ANY LANDSCAPE THAT WILL HINDER DIRECT ACCESS IN THE FUTURE TO THE METER ASSEMBLY.

2. CONTRACTOR TO EXPOSE WATER MAIN AND FURNISH AND INSTALL THE TAPPING SADDLE AND VALVE FOR WATER METER TAP AND INSTALL WATER SERVICE LINE FROM MAIN TO METER. PASCO COUNTY WATER DEPARTMENT WILL PERFORM THE TAPPING OPERATION.

3. ALL NON-METALLIC PIPE WILL BE INSTALLED WITH 2 PAIR, 10 GAUGE, COPPER TRACER WIRE.

4. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE WATER SYSTEM COLLECTION, SANITARY SEWER, AND RETENTION SYSTEM ON A REGULAR BASIS.

5. FIRE HYDRANTS MUST BE FLOW TESTED AND COLOR-CODED BASED ON FLOW RESULTS.

6. FIRE FLOW MUST BE A MINIMUM OF 1,000 GPM, 20 PSI, WITH 2 HOURS DURATION.

7. FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO ACCUMULATION OF COMBUSTIBLES.

8. PER NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.

9. THERE WILL BE NO LIGHT SPILLAGE OR GLARE BEYOND THE SITE.

10. ALL UTILITY MATERIAL AND WORKMANSHIP MUST COMPLY WITH STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER, WASTEWATER, AND RECLAIMED WATER FACILITIES SPECIFICATIONS, JUNE 1995 EDITION.

11. CONNECTIONS INTO COUNTY-OWNED SYSTEM SHALL BE VIA WET TAP. WET TAPS SHALL BE PERFORMED BY THE UTILITIES SERVICES BRANCH AT THE DEVELOPERS EXPENSE. EXCAVATION, BACKFILL, AND SURFACE RESTORATION SHALL BE THE CONTRACTORS RESPONSIBILITY. MATERIAL FOR WET TAPS LARGER THAT 2 INCHES SHALL BE PROVIDED AND INSTALLED BY THE PROJECT CONTRACTOR.

12. THE UTILITY SERVICES BRANCH SHALL NOT OWN OR MAINTAIN WATER AND SEWER LINES OR FACILITIES ON SITE.

13. IRRIGATION SOURCE WILL BE THRU PUBLIC WATER BY PROPOSED IRRIGATION METER.

14. FIRE PROTECTION SHALL MEET THE REQUIREMENTS OF THE PASCO COUNTY CODE OF ORDINANCES, CHAPTER 46, FIRE PROTECTION & PREVENTION.

15. THE SANITARY SEWER PLUGS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION BY THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL THE SYSTEM HAS BEEN CLEANED, INSPECTED AND APPROVED BY THE UTILITIES SERVICES BRANCH. WHEN THE SYSTEM HAS BEEN APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE PLUGS.

16. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN UTILITIES AT ALL TIMES.

DOMESTIC WATER CALCULATIONS

SYMBOL	FIXTURE TYPE	QUANTITY	F.U.	SUB-TOTAL FIXTURE UNITS
WC-1	WATER CLOSET (TANK TYPE)	5	3	15
L-1	LAVATORY (3/8")	2	2	4
DF-1	DRINKING FOUNTAIN (COOLER)	2	1	2
S-1	SERVICE SINK (1/2")	9	3	27
S-2	WASH SINK (EACH SET OF FAUCETS)	1	4	4
U	URINAL WALL FLUSH VALVE	2	10	20
HB-1,2	HOSE BIBB (1/2")	0	3	0
TOTAL FIXTURE UNITS				72
TOTAL GPM:				47
EQUIPMENT MAKE-UP WATER:				N/A
MINIMUM SERVICE SIZE:				1.5"

SANITARY SEWER FIXTURE CALCULATIONS

SYMBOL	FIXTURE TYPE	QUANTITY	FIXTURE UNITS	SUB-TOTAL FIXTURE UNITS
WC-1	WATER CLOSET	5	3	15
WC-2	WATER CLOSET	2	10	20
L-1	LAVATORY	2	2	4
EWC-1	ELECTRIC WATER COOLER	2	0.5	1
S-1	SERVICE SINK (1/2")	9	3	27
S-2	WASH SINK (EACH SET OF FAUCETS)	1	2	2
U	URINAL WALL FLUSH VALVE	2	10	20
FD-1	FLOOR DRAIN	3	2	6
FD-2	FLOOR DRAIN	2	2	4
TOTAL FIXTURE UNITS:				29
MINIMUM SERVICE SIZE				4"

SANITARY SEWER SCHEDULE

- (SS-1) 4" TWO-WAY CLEANOUT SEE ARCH. PLANS FOR CONTINUATION TOP EL. = 57.35 INV. EL. = 54.35
- (SS-2) 11 L.F. ~ 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-3) 4" TWO-WAY CLEANOUT TOP EL. = 56.50 INV. EL. = 54.17
- (SS-4) 189 L.F. ~ 4" PVC GRAVITY SEWER @ 1.00% MIN.
- (SS-5) 8 L.F. ~ 3" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-6) 8 L.F. ~ 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-7) 4" TWO-WAY CLEANOUT TOP EL. = 57.25 INV. EL. = 55.25
- (SS-8) 59 L.F. ~ 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-9) 1,500 GAL GREASE TRAP WITH SAMPLING STATION SEE DETAIL NO. 9 ON SHEET SD2 AND ARCH. PLANS FOR DETAILS TOP EL. = 57.45 INV. EL. = 54.05
- (SS-10) 4" TWO-WAY CLEANOUT TOP EL. = 57.45 INV. EL. = 54.05
- (SS-11) 4" TWO-WAY CLEANOUT TOP EL. = 56.10 INV. EL. = 52.81 FOR FUTURE PARCEL B SANITARY SEWER SERVICE
- (SS-12) 4" TWO-WAY CLEANOUT TOP EL. = 56.25 INV. EL. = 52.40
- (SS-13) LIFT STATION WITH $\frac{1}{2}$" RPZ. SEE SHEET C-3.2 FOR DETAILS
- (SS-14) 176 L.F. ~ 2" PVC FORCE MAIN SEWER
- (SS-15) 2" 45° BEND
- (SS-16) 2" PLUG VALVE
- (SS-17) (1) 4" PLUG VALVE (1) 4"x2" REDUCER
- (SS-18) 25 L.F. ~ 4" FM
- (SS-19) 4"x4" TAPPING SLEEVE AND VALVE

PROPOSED UTILITY SERVICE SCHEDULE

- (A) 8"x6" TAPPING SLEEVE AND VALVE TO EXISTING WATER LINE
- (B) 23 LF - 6" DR-14 PVC LINE
- (C) 6"x6"x6" TEE AND 6" GATE VALVE
- (D) FIRE HYDRANT ASSEMBLY
- (E) 6"x4" REDUCER
- (F) 4"x2" CROSS
- (G) 502 LF - 4" ENDOPURE FIRE SERVICE LINE
- (H) 4" - 90° BEND
- (I) 4" - 45° BEND
- (J) 4" FIRE SERVICE LINE WITH 90° BEND INTO THE BUILDING. SEE ARCH. PLAN FOR CONTINUATION.
- (K) 504 LF - 2" ENDOPURE WATER SERVICE LINE
- (L) 2" - 90° BEND
- (M) 2" - 45° BEND
- (N) 2" WATER SERVICE LINE WITH 90° BEND INTO THE BUILDING. SEE ARCH. PLAN FOR CONTINUATION.
- (O) PROPOSED ELECTRICAL SERVICE LINE. SEE ELECTRICAL PLAN FOR EXACT LOCATION & CONTINUATION.
- (P) PROPOSED COMMUNICATION SERVICE LINE. SEE ELECTRICAL PLAN FOR EXACT LOCATION & CONTINUATION.
- (Q) PROPOSED HOSE BIB. SEE DETAIL 4 OF SHEET SD2.
- (R) 2.0"x2.0"x3/4" TEE
- (S) 210 LF - 3/4" WATER LINE
- (T) 3/4"x3/4" TEE
- (U) 101 LF - 3/4" WATER LINE TO PROPOSED LIFT STATION HOSE BIB
- (V) 88 LF - 2" WATER LINE AND CAP FOR PROPOSED FUTURE SERVICE OF PARCEL B

LEGEND

- PROPOSED 6" FIRE HYDRANT
- FM — EXISTING FORCE MAIN
- FM — PROPOSED FORCE MAIN
- S — SANITARY SEWER LINE
- WM — PROPOSED WATER LINE
- WM — EXISTING WATER LINE
- E — UNDERGROUND PRIMARY ELECTRIC SERVICE
- GAS — GAS LINE
- STORM SEWER PIPE
- PROPOSED LIGHT POLES

ATTENTION

1. CONTRACTOR TO VERIFY EXISTING WATER LINE CONNECTION LOCATION, SIZE AND CONSULT WITH ENGINEER OF RECORD AND OWNER/ OWNER REPRESENTATIVE OF ANY DISCREPANCY.

2. CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR PROPOSED TRANSFORMER LOCATION ON SITE.

3. LOCATION OF EXISTING WATER AND SANITARY SEWER LINES IS APPROXIMATE, UTILIZING PASCO COUNTY UTILITY ATLAS.

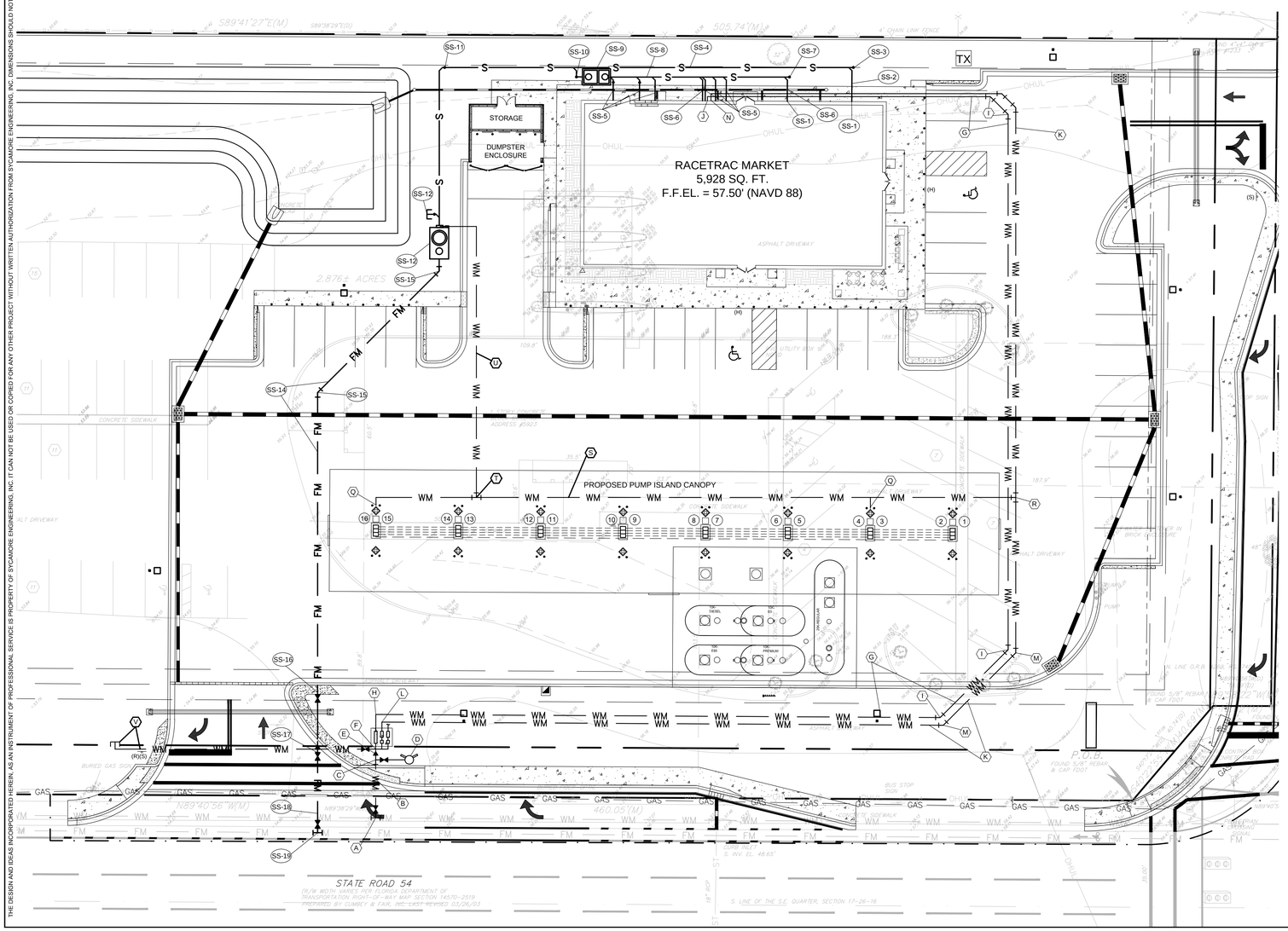
4. CONTRACTOR TO PROVIDE ALTERNATIVE DEDUCT BID FOR OVERHEAD POWER AND PHONE LINES WITH MINIMUM 16 FEET CLEAR ABOVE FINISH GRADES.

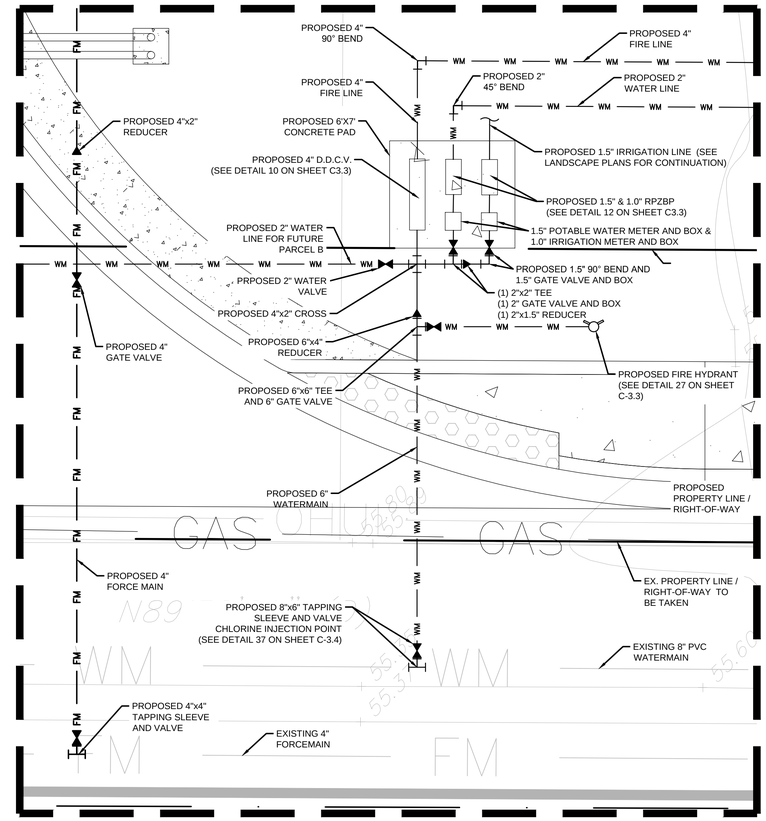
5. CONTRACTOR TO UTILIZE ENDOPURE FOR WATER AND IRRIGATION LINES.

6. CONTRACTOR TO MAINTAIN AN 18" SEPARATION BETWEEN UTILITIES AT ALL TIMES. SEE SHEET GN FOR FURTHER INFO AND NOTES.

UTILITIES SUPPLIER

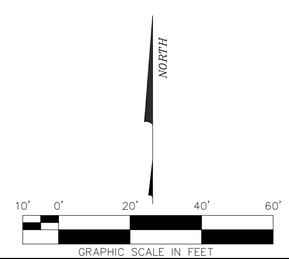
1) POTABLE WATER FACILITIES: PASCO COUNTY
2) SEWAGE FACILITIES: PASCO COUNTY
3) FIRE SERVICE: PASCO COUNTY M.S.T.U.
4) ELECTRICAL SERVICE: PROGRESS ENERGY





CONNECTION & BACKFLOW DETAIL

SCALE: 1" = 4'



NO.	REVISIONS	BY	DATE

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FL P.E. #58995

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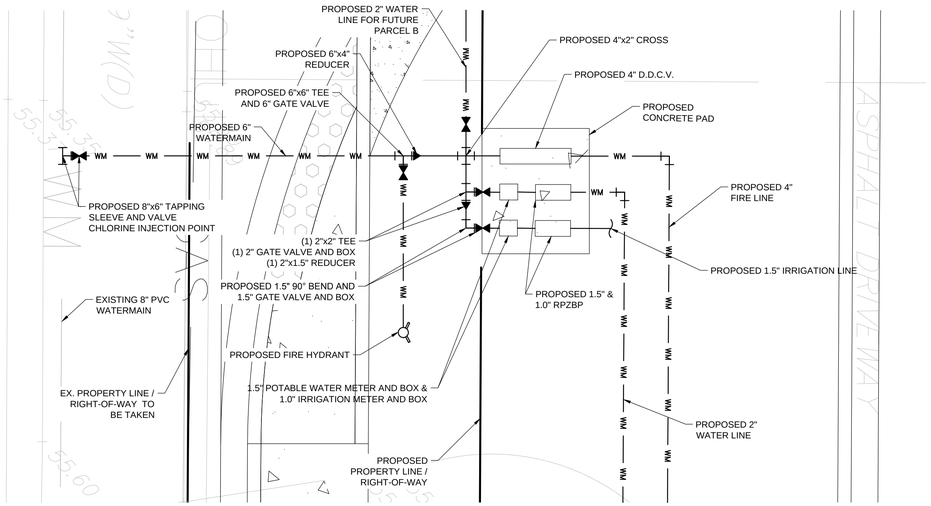
(770) 431-7600

COMPOSITE UTILITY PLAN
RACETRAC MARKET #1151

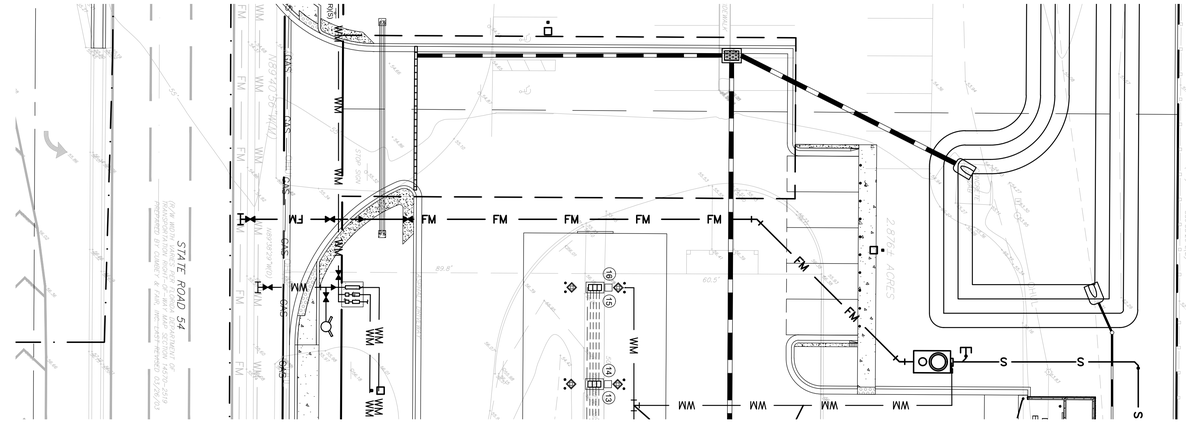
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME:	R0907 C-3.1 CUP.dwg
SHEET NO.	VERSION
C-3.1	



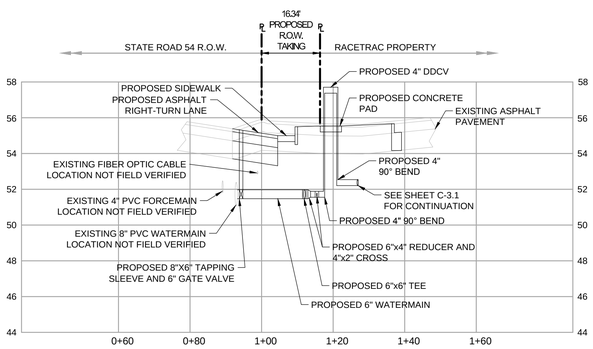
PLAN VIEW

SCALE: 1" = 4'



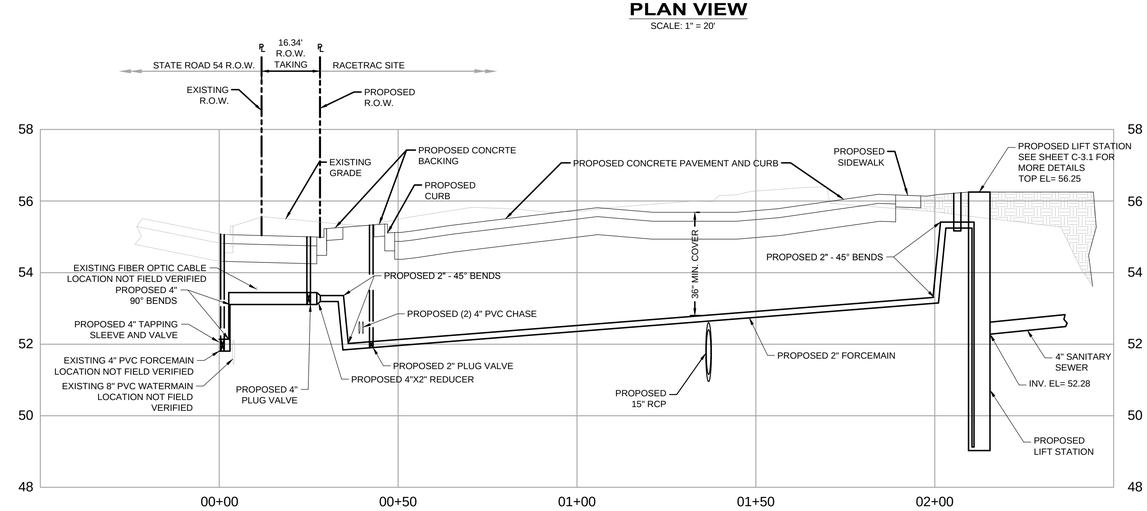
PLAN VIEW

SCALE: 1" = 20'



WATERMAIN CONNECTION
PROFILE PERPENDICULAR TO STATE ROAD 54

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



PROFILE ALONG SANITARY FORCEMAIN PIPE ROUTE

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

ATTENTION

1. CONTRACTOR TO VERIFY LOCATION AND SIZE OF EXISTING WATER, SANITARY AND UTILITIES LINES AND CONSULT WITH ENGINEER OF RECORD AND OWNER/ OWNER REPRESENTATIVE OF ANY DISCREPANCY.

2. CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR PROPOSED TRANSFORMER LOCATION ON SITE.

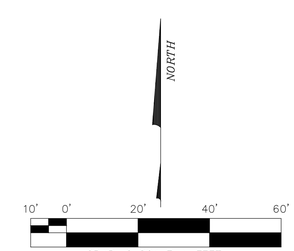
3. CONTRACTOR TO PROVIDE ALTERNATIVE DEDUCT BID FOR OVERHEAD POWER AND PHONE LINES WITH MINIMUM 16 FEET CLEAR ABOVE FINISH GRADES.

4. WATER AND IRRIGATION METERS ARE OWNED AND INSTALLED BY HILLSBOROUGH COUNTY.

5. CONTRACTOR TO MAINTAIN AN 18" SEPARATION BETWEEN UTILITIES AT ALL TIMES. SEE SHEET N-1 FOR FURTHER INFO AND NOTES.

6. THE CONTRACTOR/ENGINEER OF RECORD MUST CONTACT THE HILLSBOROUGH COUNTY PUBLIC UTILITY DEPT. INSPECTION SECTION AND LINE MAINTENANCE TO SET UP THE PRE CONSTRUCTION MEETING. CONTACT WILLIE LAVANDERIA @ 272-5977 EXT. 43534 FOR INSPECTIONS AND THE SOUTH/CENTRAL LINE MAINTENANCE UNIT AT 671-7604 OR THE NORTHWEST LINE MAINTENANCE UNIT AT 554-5010.

7. CONTRACTOR TO COORDINATE WITH MIKE BURGESS @ 554-5010 OF THE HILLSBOROUGH COUNTY PUBLIC UTILITIES DEPT. PRIOR TO THE SELECTION AND ORDERING OF THE WATER METER AND/OR BACKFLOW PREVENTION DEVICE ASSEMBLIES.



NO.	REVISIONS	BY	DATE

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FL P.E. #58995

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UTILITY PROFILES
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 C-3.2 UTILITY PROFILES.dwg	
C-3.2	
SHEET NO.	VERSION

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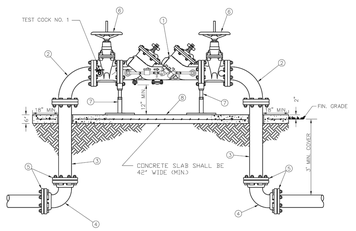


MATERIALS		
ITEM	QUANT	DESCRIPTION
1	1	3", 4", 6", 8" DOUBLE CHECK VALVE/BFP ASSEMBLY WITH DETECTOR ASSEMBLY
2	2	3", 4", 6", 8" BEND, 90° FLANGE x FLANGE
3	2	3", 4", 6", 8" SPOOL PIECE FLG. x PE. (L.F.)
4	2	3", 4", 6", 8" BEND, 90° M.J. x M.J.
5	4	3", 4", 6", 8" GLAND, RETAINER M.J. (MEGALUG)
6	2	3", 4", 6", 8" VALVE, GATE FLG. x FLG. RESILIENT WEDGE G.S. & Y.
7	2	SUPPORT (AS NEEDED)
8	1	CONCRETE SLAB (6" THICK – 42" WIDE MIN.)

NOTE:
- NO TIE RODS OR EYE BOLT RETAINERS PERMITTED ABOVE GROUND.
- B.F.P. ASSEMBLY TO BE INSTALLED LEVEL & PLUMB.
- MINIMUM CLEARANCE OF 36" TO BE MAINTAINED AROUND ENTIRE DEVICE FOR TESTING
- ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
- DETECTOR BY-PASS ASSEMBLY TO BE FACTORY INSTALLED AND CERTIFIED
- ALL MECHANICAL JOINTS SHALL BE RESTRAINED WITH MEGALUGS OR APPROVED EQUAL
- BELL JOINT RESTRAINERS SHALL BE PROVIDED ON ALL UNDERGROUND PIPING AS SPECIFIED IN JOINT RESTRAINT TABLE DETAIL.
- ALL ABOVE GROUND PIPING SHALL BE FLANGED DUCTILE IRON PIPE (NO GALVANIZED OR PVC)
- ITEM 3 SHALL BE FIELD CUT TO PROPER LENGTH TO ACHIEVE DESIGNATED GROUND CLEARANCE
- IF SO SPECIFIED, ENTIRE ASSEMBLY TO BE ENCLOSED IN 6' CHAIN LINK FENCE.
- BFP DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTORL AND HYDRAULIC RESEARCH.

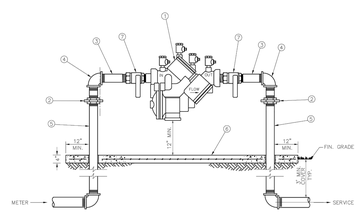
CREATED 02/24/03
REVISED

DOUBLE DETECTOR CHECK VALVE ASSEMBLY/BACKFLOW PREVENTER (SINGLE SERVICE: 3", 4", 6", 8", 10")

PASCO COUNTY UTILITIES

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

DETAIL 10



MATERIALS		
ITEM	QUANT	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	2	UNIONS – GALV.
3	2	NIPPLES – BRASS
4	2	ELBOWS – GALV. 90°
5	2	RISER – GALV.
6	*	CONCRETE SLAB
7	2	BALL VALVES – BRASS OR S.S. (PROVIDED WITH BFP ASSY.)

NOTE:
- FIELD ADJUST AND CUT ITEM 5 TO THE PROPER LENGTH.
- MINIMUM CLEARANCE OF 24" TO BE MAINTAINED AROUND DEVICE FOR TESTING.
- ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
- CONCRETE SLAB TO EXTEND 12" MIN. AROUND ENTIRE DEVICE.
- DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

CREATED 02/24/03
REVISED

REDUCED PRESSURE BACKFLOW PREVENTER (SINGLE SERVICE: 3/4", 1", 1-1/2", 2")

PASCO COUNTY UTILITIES

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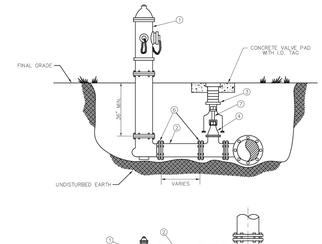
DETAIL 12



MATERIALS		
ITEM	QUANT	DESCRIPTION
1	1	HYDRANT, FIRE (5 1/4" VALVE MIN.), PAINTED YELLOW
2	*	6" PIPE, P.V.C. (DR-18)
3	1	BOX, VALVE SLIP TYPE
4	1	6" VALVE, GATE, M.J. RESILIENT WEDGE
5	1	TEE, ANCHORING, M.J.
6	*	6" RESTRAINER GLAND (MEGALUG)
7	*	VALVE EXTENSION ROD, AS NECESSARY (3' MAX. BELOW GRADE)

CREATED 02/24/03
REVISED

FIRE HYDRANT PERPENDICULAR TO THE MAIN

PASCO COUNTY UTILITIES

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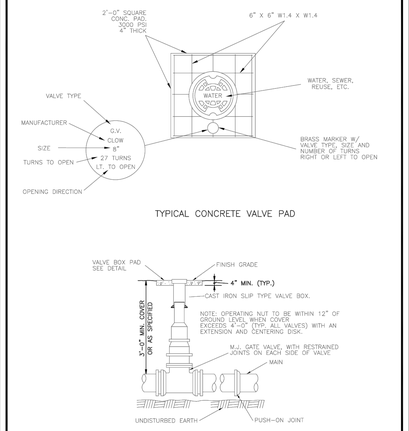
DETAIL 27



TYPICAL CONCRETE VALVE PAD

CREATED 02/24/03
REVISED

VALVE BOX DETAIL SLIP TYPE

PASCO COUNTY UTILITIES

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DETAIL 30

PIPE RESTRAINT LENGTHS IN FEET COMMON FITTINGS

WATER MAINS - TEST PRESSURE 150 PSI

PIPE SIZE	FITTING TYPE: 11-1/4°	22-1/2°	45°	90°	DEAD END
4"	2'	4'	8'	20'	45'
6"	3'	6'	12'	28'	63'
8"	4'	7'	15'	36'	82'
10"	4'	9'	18'	43'	98'
12"	5'	10'	21'	50'	116'
16"	6'	13'	26'	63'	148'
20"	7'	15'	31'	76'	179'
24"	9'	17'	36'	87'	208'

FORCE MAINS - TEST PRESSURE 100 PSI

PIPE SIZE	FITTING TYPE: 11-1/4°	22-1/2°	45°	90°	DEAD END
4"	1'	3'	6'	13'	30'
6"	2'	4'	8'	19'	42'
8"	2'	5'	10'	24'	55'
10"	3'	6'	12'	29'	66'
12"	3'	7'	14'	34'	77'
16"	4'	8'	18'	42'	99'
20"	5'	10'	21'	50'	119'
24"	6'	11'	24'	58'	139'

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE FITTING ALONG THE PIPE IN BOTH DIRECTIONS (EXCEPT DEAD ENDS).

CREATED 02/24/03
REVISED

RESTRAINED JOINT TABLE COMMON FITTINGS

PASCO COUNTY UTILITIES

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DETAIL 31

PIPE RESTRAINT LENGTHS IN FEET TEES (BRANCH SIDE)

WATER MAINS - TEST PRESSURE 150 PSI

RUN SIZE	BRANCH SIZE: 3"	4"	6"	8"	10"	12"	16"	20"	24"
3"	6'	14'	30'	—	—	—	—	—	—
4"	2'	11'	28'	44'	—	—	—	—	—
6"	1'	2'	22'	40'	52'	—	—	—	—
8"	1'	1'	16'	35'	48'	62'	—	—	—
10"	1'	1'	10'	30'	44'	58'	83'	—	—
12"	1'	1'	3'	25'	40'	55'	80'	103'	—
16"	1'	1'	1'	14'	31'	48'	75'	98'	119'
20"	1'	1'	1'	2'	22'	40'	69'	94'	116'
24"	1'	1'	1'	1'	11'	31'	63'	89'	111'

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE TEE ALONG THE BRANCH FOR THE DISTANCE INDICATED. A MINIMUM OF 5 FEET OF RESTRAINED PIPE MUST BE INSTALLED ON BOTH RUNS OF THE TEE. MEGALUG TYPE RESTRAINERS ARE REQUIRED ON ALL JOINTS.

CREATED 02/24/03
REVISED

RESTRAINED JOINT TABLE TEES (BRANCH SIDE)

PASCO COUNTY UTILITIES

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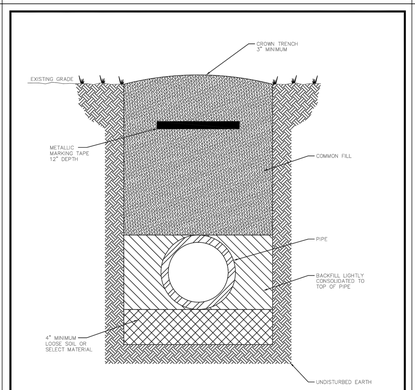
DETAIL 32



NOTES: –LOOSE SOIL OR SELECT MATERIAL IS NATIVE SOIL EXCAVATED FROM THE TRENCH FREE OF ROCKS AND FOREIGN MATERIAL.
–COMMON FILL: TO BE PLACED AND COMPACTED IN 12" LAYERS. ROLLING EQUIPMENT SHALL NOT BE USED FOR COMPACTION UNTIL A MINIMUM OF 18" OF COMMON FILL HAS BEEN PLACED AND COMPACTED OVER THE PIPE. THREE FEET OF FILL SHALL BE PLACED BEFORE A HYDROHAMMER MAY BE USED FOR COMPACTION.

NTS

CREATED 02/24/03
REVISED

PIPE LAYING CONDITIONS STANDARD UNPAVED AREAS

PASCO COUNTY UTILITIES

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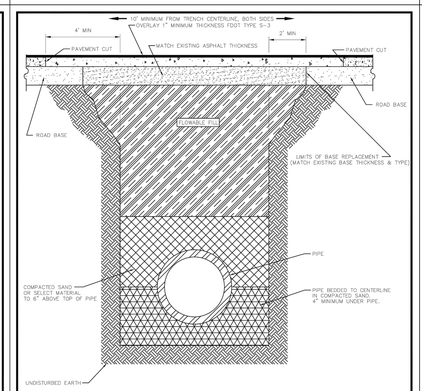
DETAIL 35



NOTE: –SELECT MATERIAL IS NATIVE SOIL EXCAVATED FROM THE TRENCH FREE OF ROCKS AND FOREIGN MATERIAL.
–COMPACTION: TO TOP OF PILE IS TO BE APPROXIMATELY 90% STANDARD PROCTOR, AASHTO T-99.
–EXISTING CONCRETE/ASPHALT PAVEMENT SURFACE AND BASE TO BE CUT SQUARE WITH CONCRETE SAW.

NTS

CREATED 03/06/03
REVISED

PIPE LAYING CONDITIONS FLOWABLE FILL BACKFILL STANDARD EXISTING PAVED AREAS & ROADWAYS

PASCO COUNTY UTILITIES

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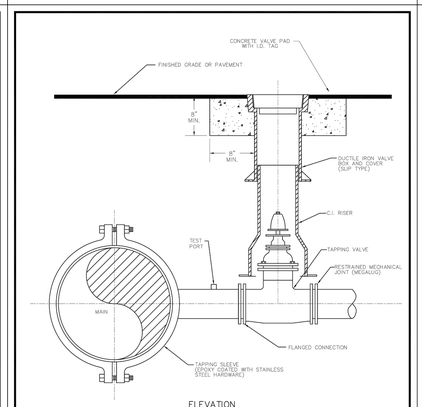
DETAIL 36



ELEVATION

NOTES:
- SADDLE CONNECTION WILL BE TESTED TO 150 PSI PRIOR TO TAPPING MAIN.
- MECHANICAL JOINTS/UNDERGROUND PIPING SHALL BE RESTRAINED AS SPECIFIED BY COUNTY/ENGINEER.
- VALVE EXTENSION ROD SHALL BE UTILIZED, AS NECESSARY, SO THAT VALVE OPERATING NUT IS A MAXIMUM OF 3' BELOW GRADE.

CREATED 02/24/03
REVISED

WATER, REUSE, AND FORCE MAIN TAPPING DETAIL W/ VALVE LOCATION

PASCO COUNTY UTILITIES

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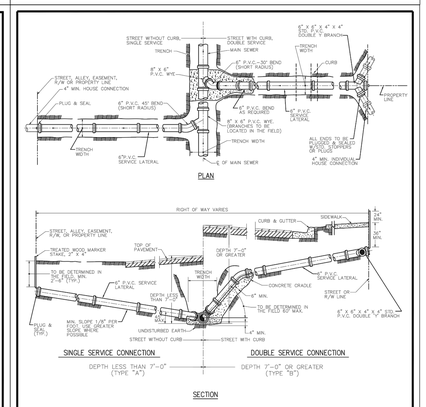
DETAIL 37



NOTE:
- CONTRACTOR SHALL MARK, ON A CLEAN SET OF PLANS, THE FINAL STATIONING OR DISTANCE AND DIRECTION FROM MANHOLE OF EACH SERVICE LATERAL AND THEN GIVE TO ENGINEER FOR RECORD PURPOSES.
- PROVIDE 2" x 4" PRESSURE TREATED WOOD MARKER STAKE AT ALL SANITARY SERVICES (INCLUDE IN PIPE PRICE). TOP OF STAKE TO BE PAINTED WITH GREEN PAINT.
- THE MINIMUM DIAMETER OF ALL SERVICE LATERALS SHALL BE 6 INCHES.

CREATED 02/24/03
REVISED

SEWER LATERAL CONNECTION

PASCO COUNTY UTILITIES

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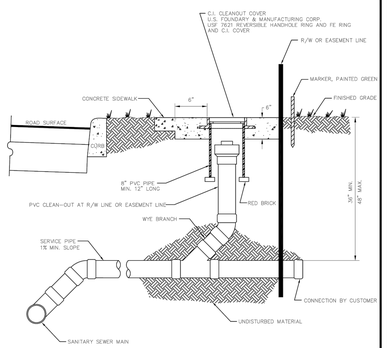
DETAIL 44



NTS

CREATED 02/24/03
REVISED

SANITARY SEWER – SINGLE WYE CONNECTION AND TYPICAL CLEAN-OUT

PASCO COUNTY UTILITIES

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DETAIL 45

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL.P.E. #58995

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3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

UTILITY DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	
DRAWING NAME:	R0907 C-3.3 UTILITY DETAILS.dwg
C-3.3	
SHEET NO.	VERSION

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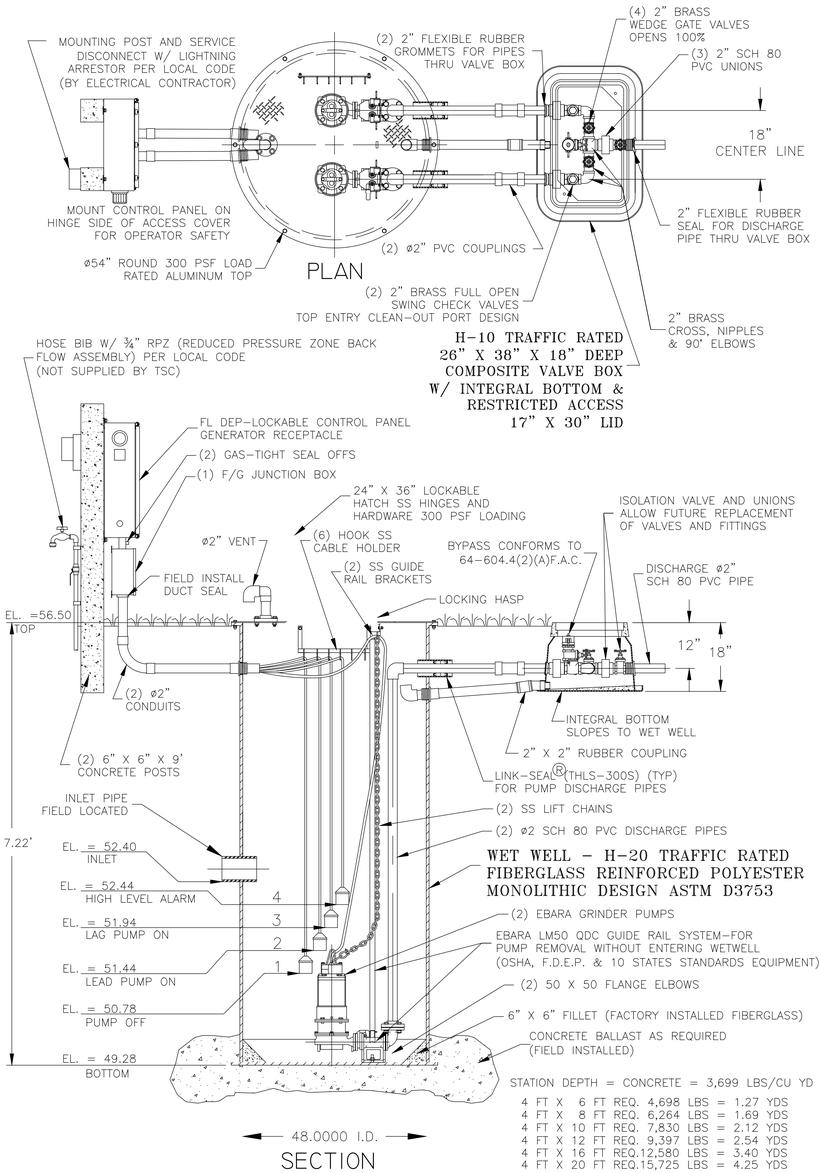


STATION DEPTH = CONCRETE = 3,699 LBS/CU YD

4 FT X 6 FT REQ. 4,698 LBS = 1.27 YDS
4 FT X 8 FT REQ. 6,264 LBS = 1.69 YDS
4 FT X 10 FT REQ. 7,830 LBS = 2.12 YDS
4 FT X 12 FT REQ. 9,397 LBS = 2.54 YDS
4 FT X 16 FT REQ.12,580 LBS = 3.40 YDS
4 FT X 20 FT REQ.15,725 LBS = 4.25 YDS

EBARA SEWAGE GRINDER PUMP
48" DUPLEX STATION – 2" PIPING
WITH SLIDE RAIL SYSTEM, V.B. AND F.D.E.P. PANEL
TSC PRE-FAB PUMP SOLUTIONS©

MODEL
TSC2-48.0 R9.dwg©

2. GROUT FILLET (1 TO 1 SLOPE TO "HOPPER" BOTTOM)
1. HOSE BIBB WITH REDUCED PRESSURE BACK FLOW PREVENTER
FIELD INSTALL BY CONTRACTOR

GENERAL NOTES

FURNISH AND INSTALL EBARA SUBMERSIBLE GRINDER PUMPS:

DESIGN CONDITION:

MODEL	50 DGFU	5	HP
GPM	40.0	133.0	FT/TDH
VOLTAGE	208 / 230	THREE	PHASE
DISCHARGE	2"	6-3/8"	IMPELLER

SEWAGE GRINDER PUMP: RATED FOR TWENTY (20) STARTS PER HOUR.

2. AIR FILLED MOTOR DESIGNED FOR SEWAGE APPLICATION WITH CLASS F INSULATION.
3. DUAL MECHANICAL SHAFT SEALS (SILICON CARBIDE / SILICON CARBIDE) LOCATED OUT OF THE PUMPAGE, IN A SEPARATE OIL FILLED CHAMBER.
4. HIGH TEMPERATURE BALL BEARINGS B-10 RATING OF 60,000 HOURS, UPPER BEARING – SINGLE ROW AND LOWER BEARINGS – DOUBLE ROW TYPE.
5. PUMP SHAFT HORSEPOWER (BHP) SHALL NOT EXCEED MOTOR RATED HORSEPOWER THROUGHOUT THE ENTIRE OPERATING RANGE OF THE PUMP PERFORMANCE CURVE.
6. SINGLE PHASE MOTORS SHALL BE DUAL WOUND, CAPACITOR START-RUN AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260). THREE PHASE MOTORS SHALL BE DUAL WOUND AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260) OR OPERATE ON 460 VOLT BY CHANGING THE MOTOR LEADS INSIDE THE PUMP.

FIBERGLASS WET WELL: SHALL BE A ONE PIECE UNIT WITH INTEGRAL BOTTOM, WALL AND UPPER FLANGE. THE ENTIRE FIBERGLASS WET WELL SHALL HAVE A DYNAMIC LOAD RATING OF 16,000 FT/LBS. EACH UNIT MUST BE SERIAL NUMBERED TO IDENTIFY THE TEST PROCEDURE. ASTM D 3753 & H-20 SPECIFICATIONS SHALL BE REQUIRED AS MINIMUM.

ALUMINUM HATCH: TSC MODEL-54R (54") ROUND WITH 24" X 36" LOCKABLE HATCH, REINFORCED FOR LOAD RATING OF 300 LBS/FT WITH HOLD OPEN SAFETY ARM, LOCKING DEVICE FOR HASP TYPE PADLOCK AND STAINLESS STEEL HARDWARE.

VALVE BOX: FIBERGLASS COMPOSITE (H-10 TRAFFIC RATED) WITH INTEGRAL BOTTOM. (FOR 1 1/4" AND 2" DISCHARGE PIPING SXS HEADER SYSTEM) SHALL BE 26" X 38" X 18" WITH 17" X 30" LIMITED ACCESS LID

ACCESSORIES: #304 S/S – GUIDE RAILS, UPPER GUIDE RAIL BRACKETS, CABLE HOLDER, ANCHOR BOLTS AND PUMP LIFTING CHAINS.

VALVES : SHALL BE SEWAGE SERVICE DESIGN BRASS SWING CHECK VALVES WITH TOP ENTRY CLEAN-OUT PORT AND BRASS WEDGE GATE VALVES OPEN 100%.

PIPING: 2" SCHEDULE 80 PVC.

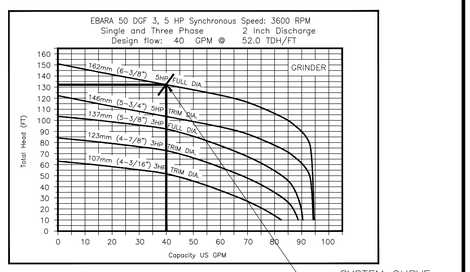
FLOAT SWITCHES: UL LISTED SJ ELECTRO MODEL (SJ 30 SWENO).

PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, JUNCTION BOX, FLOAT SWITCHES, ALUMINUM HATCH AND ACCESSORIES TO INSURE PROPER OPERATION AND WARRANTY.

THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, SLIDE RAIL ASSEMBLIES AND DISCHARGE PIPING ASSEMBLED BY TECHNICAL SALES CORPORATION READY TO SHIP FOR FIELD INSTALLATION.

THE MANUFACTURER OF PRE-FAB PUMP SOLUTIONS©:
TECHNICAL SALES CORPORATION, 4621 N. HALE AVE TAMPA, FL 33614 (813)876-9256

Ebara Submersible Pumps



PUMP PERFORMANCE CURVE

CONTROL PANEL –SHALL CONFORM TO FL DEP 64-604.42(A)

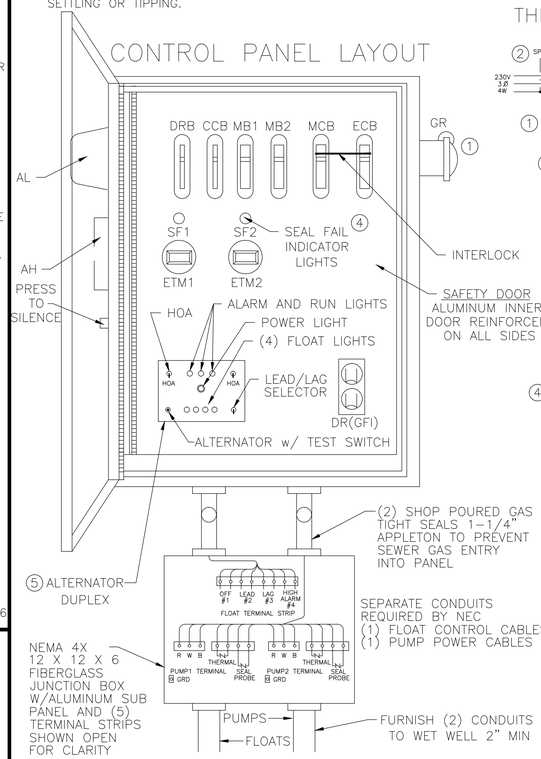
CONTROL PANEL SHALL BE TSC MODEL # 38-D IN NEMA 4X FIBERGLASS ENCLOSURE. THE PANEL SHALL MEET STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), ENVIRONMENTAL PROTECTION COMMISSION (EPC) AND LOCAL CODE REQUIREMENTS GOVERNING PRIVATE LIFT STATIONS.

FLOAT SWITCHES AND CONTROL SYSTEM SHALL BE UL LISTED AND INTRINSICALLY SAFE. ALL COMPONENTS SHALL BE UL LISTED.

A JUNCTION BOX IS REQUIRED, WITH SHOP POURED SEALS BETWEEN BOX AND CONTROL PANEL TO PREVENT SEWER GAS ENTRY INTO CONTROL PANEL.

ELECTRICAL CONTRACTOR TO PROVIDE SERVICE DISCONNECT WITH LIGHTNING ARRESTOR MOUNTED PER LOCAL CODES.

THE CONTROL PANEL SHALL BE SUITABLY INSTALLED TO PREVENT SETTLING OR TIPPING.

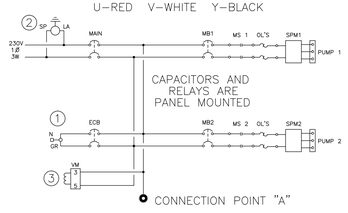


LEGEND

	AH	ALARM HORN
	AL	ALARM LIGHT
	ASB	ALARM SILENCE BUTTON
(5)	ATS	ALTERNATOR W/ TEST SWITCH
	CCB	CONTROL CIRCUIT BREAKER
	DR	DUPLEX RECEPTACLE
	DRB	DUPLEX RECEPTACLE BREAKER
	ECB	EMERGENCY CIRCUIT BREAKER
	ETM	ELAPSED TIME METER
	F	FUSE
	FL	FLASHER
	FS	FLOAT SWITCH (REGULATOR)
(1)	GR	GENERATOR RECEPTACLE
	GRD	GROUND
	HOA	HAND-OFF-AUTOMATIC SELECTOR
	LA	LIGHTNING ARRESTOR
	MB	MOTOR BREAKER
	MCB	MAIN CIRCUIT BREAKER
	MS	MOTOR STARTER
	N	NEUTRAL
	OL'S	OVERLOAD HEATERS
(3)	PM	PHASE MONITOR
	PTS	PUMP TERMINAL STRIP
	R	RELAY
	RC	RUN CAPACITOR
	RD	DISCHARGE RESISTOR
	RL	PUMP RUN INDICATORS
	RTS	REGULATOR TERMINAL STRIP
	SC	START CAPACITOR
(4)	SF	SEAL FAIL (SHAFT)
	SR	START RELAY
(2)	SP	SURGE PROTECTOR
	TTS	THERMAL TERMINAL STRIP

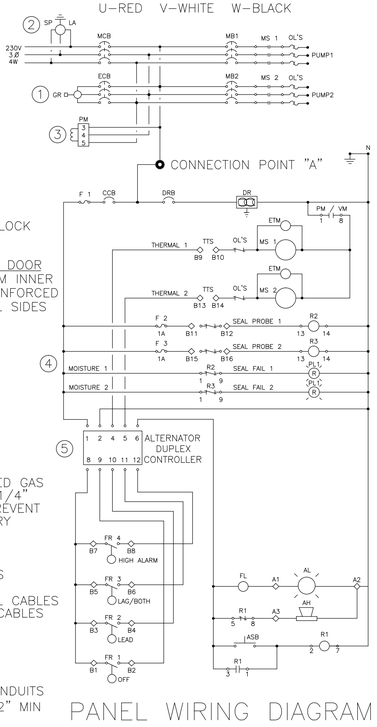
SINGLE PHASE WIRING DIAGRAM

U-RED V-WHITE Y-BLACK



THREE PHASE WIRING DIAGRAM

U-RED V-WHITE W-BLACK



PANEL WIRING DIAGRAM

PANELS SHALL CONFORM TO FLORIDA DEP 64-604.400

1. GENERATOR RECEPTACLE FOR EMERGENCY POWER CONNECTION WITH INTERLOCK
2. SURGE PROTECTION AND LIGHTNING PROTECTION ON ALL INCOMING LEGS
3. PHASE PROTECTION SHALL BE PROVIDED
4. SHAFT SEAL FAIL DETECTION
5. ALTERNATOR w/ TEST SWITCH

NO.	REVISIONS	BY	DATE

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FL P.E. #58995

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RACETRAC PETROLEUM, INC.
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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

LIFT STATION DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	N/A
DRAWING NAME: R0907 C-3.4 LIFT STATION.dwg	
C-3.4	
SHEET NO.	VERSION

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GENERAL NOTES

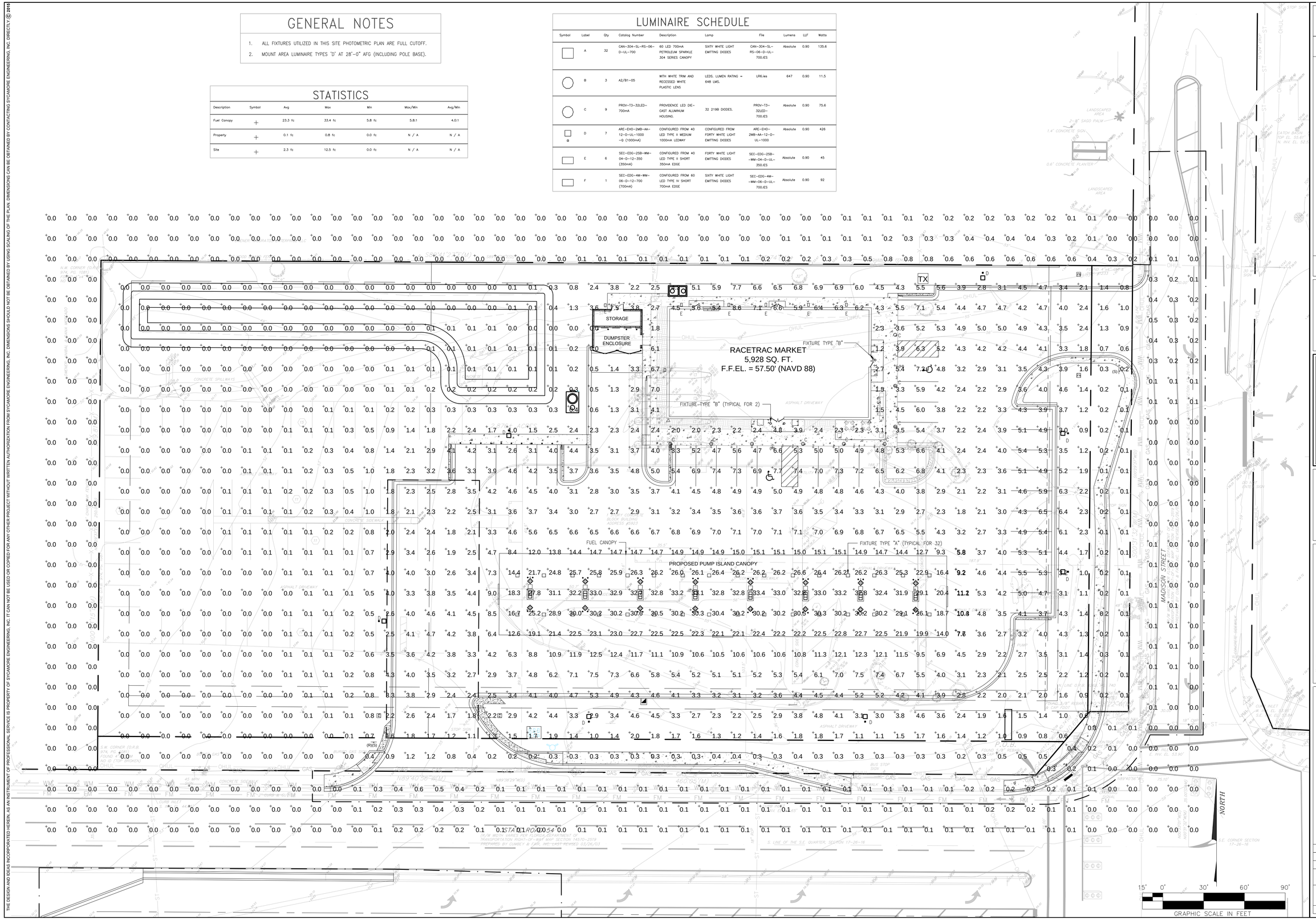
1. ALL FIXTURES UTILIZED IN THIS SITE PHOTOMETRIC PLAN ARE FULL CUTOFF.
2. MOUNT AREA LUMINAIRE TYPES 'D' AT 28'-0" AFG (INCLUDING POLE BASE).

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Fuel Canopy	+	23.3 fc	33.4 fc	5.8 fc	5.8:1	4.0:1
Property	+	0.1 fc	0.8 fc	0.0 fc	N / A	N / A
Site	+	2.3 fc	12.5 fc	0.0 fc	N / A	N / A

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	32	CAN-304-SL-RS-06-D-UL-700	60 LED 700mA PETROLEUM SPARKLE 304 SERIES CANOPY	SIXTY WHITE LIGHT EMITTING DIODES	CAN-304-SL-RS-06-D-UL-700.IES	Absolute	0.90	135.6
	B	3	A2/B1-05	WITH WHITE TRIM AND RECESSED WHITE PLASTIC LENS	LEDS. LUMEN RATING = 648 LMS.	LR6.ies	647	0.90	11.5
	C	9	PROV-T3-32LED-700mA	PROVIDENCE LED DIE-CAST ALUMINUM HOUSING.	32 2198 DIODES.	PROV-T3-32LED-700.IES	Absolute	0.90	75.6
	D	7	ARE-EHO-2MB-AA-12-D-UL-1000-Q (1000mA)	CONFIGURED FROM 40 LED TYPE II MEDIUM 1000mA LEDWAY	CONFIGURED FROM FORTY WHITE LIGHT EMITTING DIODES	ARE-EHO-2MB-AA-12-D-UL-1000	Absolute	0.90	426
	E	6	SEC-EDG-25B-WM-04-D-12-350 (350mA)	CONFIGURED FROM 40 LED TYPE II SHORT 350mA EDGE	FORTY WHITE LIGHT EMITTING DIODES	SEC-EDG-25B-WM-04-D-UL-350.IES	Absolute	0.90	45
	F	1	SEC-EDG-4M-WM-06-D-12-700 (700mA)	CONFIGURED FROM 60 LED TYPE IV SHORT 700mA EDGE	SIXTY WHITE LIGHT EMITTING DIODES	SEC-EDG-4M-WM-06-D-UL-700.IES	Absolute	0.90	92



NO.	REVISIONS	BY	DATE

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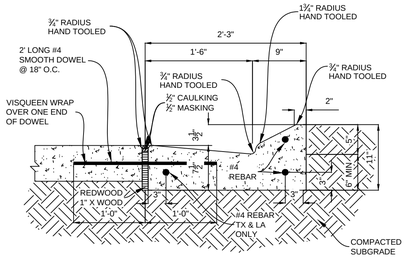
(770) 431-7600

SITE LIGHTING PHOTOMETRIC PLAN
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

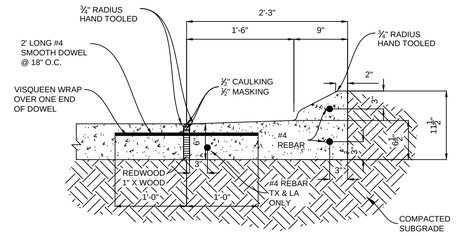
DRAWN-BY	LD
DATE	07/03/15
SCALE	NTS
DRAWING NAME:	R0907 SL-1 LIGHTING.dwg
SL-1	
SHEET NO.	VERSION



CATCH CURB DETAIL @ CONCRETE SLAB

1 / SD1 — N.T.S.

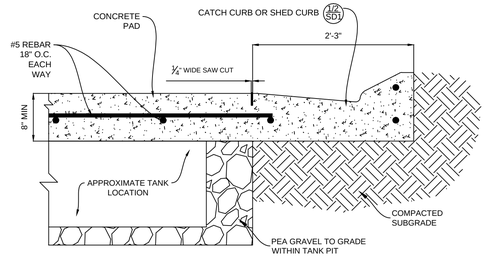
1. REFER TO PAVING PLAN FOR EXACT CURB DEPTHS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.



SHED CURB DETAIL @ CONCRETE SLAB

2 / SD1 — N.T.S.

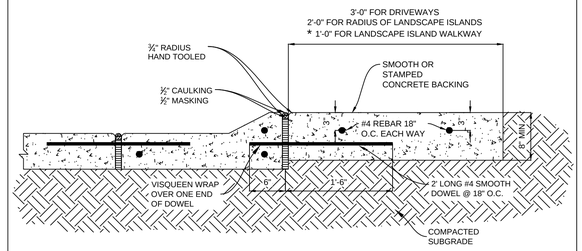
1. REFER TO PAVING PLAN FOR EXACT CURB DEPTHS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. USED WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.



TANK AREA CURB DETAIL

3 / SD1 — N.T.S.

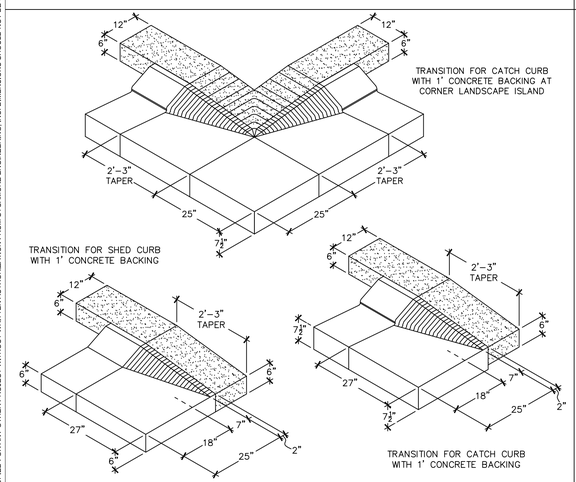
1. REFER TO PAVING PLAN FOR EXACT CURB DEPTHS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE TANK PAD. REFER TO "SITE PLAN" FOR EXACT LOCATIONS.



CONCRETE BACKING FOR ON-SITE CURB

4 / SD1 — N.T.S.

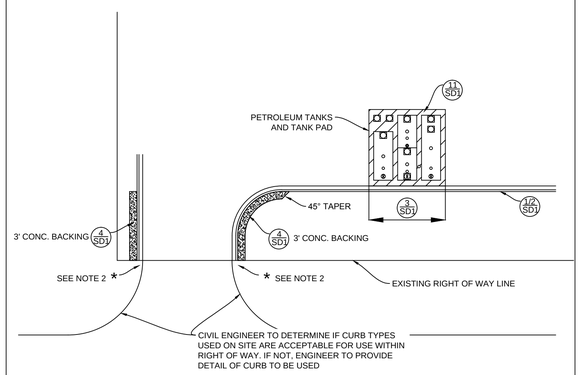
1. REFER TO PAVING PLAN FOR EXACT CURB DEPTHS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. THREE (3) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF DRIVEWAYS. TWO (2) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF LANDSCAPE ISLANDS WITHIN HIGH TRAFFIC AREAS. ONE (1) FOOT BACKING IS TO BE USED AS A PEDESTRIAN WALKWAY WITHIN LANDSCAPE ISLANDS.
5. * IF LANDSCAPE ISLANDS HAVE TO BE INCREASED, DUE TO THE ONE (1) FOOT BACKING, TO MEET SQUARE FOOTAGE REQUIREMENTS AND PARKING SPACES ARE LOST, ONE (1) FOOT BACKING WILL NOT BE USED IN THOSE AREAS.
6. REFER TO "SITE PLAN" FOR EXACT LOCATIONS.



CURB TRANSITION DETAILS

5 / SD1 — N.T.S.

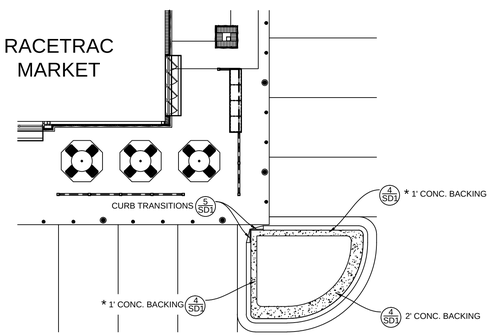
1. SEE SITE PLAN FOR EXACT LOCATIONS



CURB LAYOUT PLAN VIEW

6 / SD1 — N.T.S.

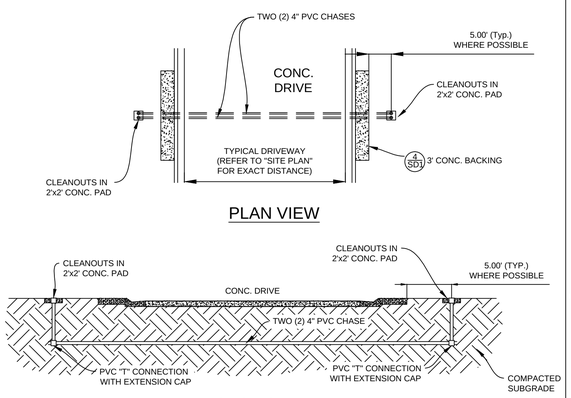
1. REFER TO "SITE PLAN" FOR EXACT LOCATIONS OF THE DIFFERING CURB TYPES.
2. * = RACETRAC CONSTRUCTION PROJECT MANAGER TO COORDINATE WITH CONCRETE SUBCONTRACTOR TO DETERMINE BEST TRANSITION METHOD BETWEEN DIFFERING CURB TYPES.



CONCRETE BACKING PLAN VIEW

7 / SD1 — N.T.S.

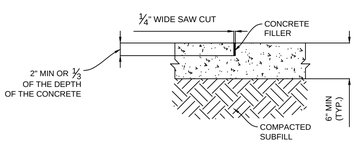
1. REFER TO "SITE PLAN" FOR EXACT LOCATIONS OF THE DIFFERING CURB TYPES.
2. * IF LANDSCAPE ISLANDS HAVE TO BE INCREASED, DUE TO THE ONE (1) FOOT BACKING, TO MEET SQUARE FOOTAGE REQUIREMENTS AND PARKING SPACES ARE LOST, ONE (1) FOOT BACKING WILL NOT BE USED IN THOSE AREAS. REFER TO SITE PLAN FOR EXACT LOCATIONS.



PVC CHASE DETAIL

8 / SD1 — N.T.S.

1. PVC CHASE TO BE PLACED UNDER ALL DRIVEWAYS. (REFER TO "SITE PLAN" FOR EXACT LOCATIONS)
2. CHASES ARE NOT TO BE USED FOR IRRIGATION INSTALLED WITH THIS DEVELOPMENT. IRRIGATION SLEEVES WILL BE SEPARATE. REFER TO UTILITY PLAN AND SHEET "L-2.1" FOR IRRIGATION SLEEVE LOCATIONS.



NOTE:

THOROUGHLY CLEAN JOINT OF ALL SAND, SOIL AND MISC. DEBRIS. APPLY MASKING TAPE ALONG SIDES OF JOINT FOR TEMPORARY PROTECTION DURING SEALANT APPLICATIONS. APPLY FULL BEAD OF VULKEM 116 OR 245 (NON SAG) POURABLE CONCRETE FILLER AND TOOL LIGHTLY. REMOVE TAPE IMMEDIATELY. SAW CUT SHALL BE 1/3 OF THE DEPTH OF THE CONCRETE.

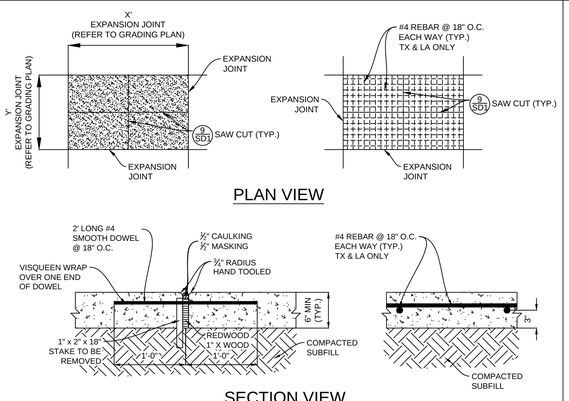
CONCRETE FILLER:

VULKEM 116 OR 245 (NON SAG) JOINT MATERIAL TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS. PROVIDE LIGHT GRAY COLOR TO MATCH CONCRETE. SAW CUT MUST BE COMPLETE WITHIN 24 HOURS OF POUR.

TYP. SAW CUT DETAIL

9 / SD1 — N.T.S.

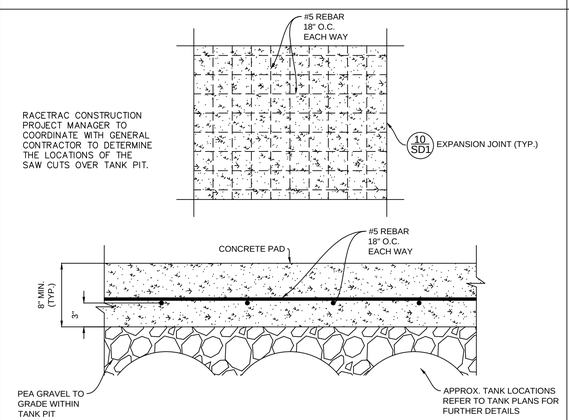
1. CONCRETE TO BE 8" THICK MIN. OVER TANKS AND AT DUMPSTER ENCLOSURE.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.



TYP. EXPANSION JOINT, CONCRETE & REBAR LAYOUT DETAIL

10 / SD1 — N.T.S.

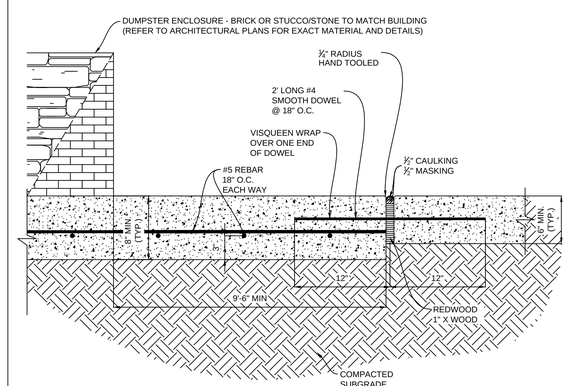
1. CONCRETE TO BE 8" THICK MIN. OVER TANKS AND AT DUMPSTER ENCLOSURE.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.



TYP. CONCRETE & REBAR LAYOUT DETAIL @ TANK PAD

11 / SD1 — N.T.S.

1. CONCRETE TO BE 8" THICK MIN. OVER TANKS AND AT DUMPSTER ENCLOSURE.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.



TYP. CONCRETE IN FRONT OF DUMPSTER ENCLOSURE

12 / SD1 — N.T.S.

1. CONCRETE TO BE 8" THICK MIN. OVER TANKS AND AT DUMPSTER ENCLOSURE.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.
4. REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH P.E.
FL P.E. #58995

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Phone: 813.889.0700 email: greatteam@sycamoreeng.com

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RACETRAC PETROLEUM, INC.
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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	
DRAWING NAME:	R0907 SD1, SD2, SD3 & SD4 STD DETAILS.dwg
SD1	
SHEET NO.	VERSION

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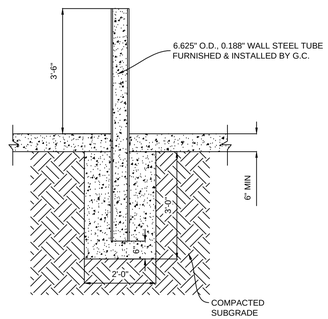
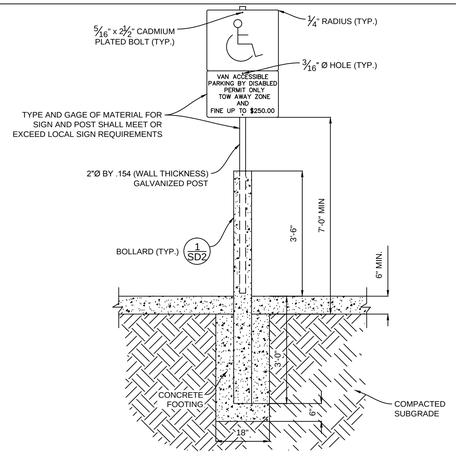


1 SD2 TYP. BOLLARD DETAIL N.T.S.

1. 6"ø, SCHEDULE 40 SMOOTH SEAMLESS PIPE FURNISHED AND INSTALLED GENERAL CONTRACTOR.
2. BUMPER POSTS TO BE PLUMB AND ALIGNED IN A STRAIGHT LINE AND FILLED WITH CONCRETE.
3. TOPS TO BE GROUND SMOOTH W/ SQUARE EDGE, THE PRIMED WITH "END RUST" BY DURO AND PAINTED WITH INDUSTRIAL OIL BASED ENAMEL. COLOR TO MATCH DECORATIVE LIGHT POLES.
4. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
5. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.



2 SD2 TYP. HANDICAP SIGNAGE DETAIL N.T.S.

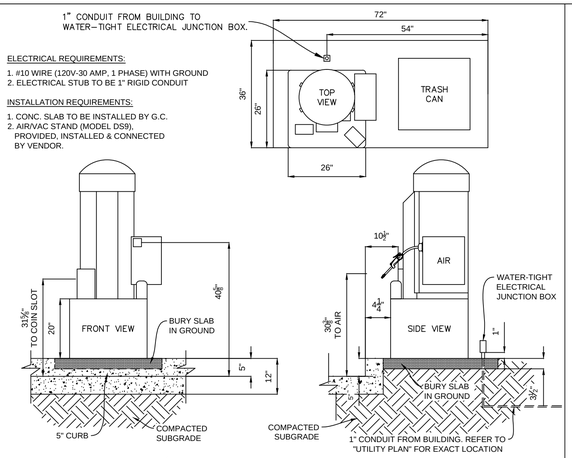
1. REFER TO LOCAL JURISDICTION REQUIREMENTS FOR SPECIFIC DETAILS.
2. CONTRACTOR SHALL VERIFY ALL THE REQUIRED INFORMATION NECESSARY AT EACH SIGN WITH LOCAL AUTHORITIES PRIOR TO PURCHASING.
3. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
4. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

ELECTRICAL REQUIREMENTS:

1. #10 WIRE (120V-30 AMP, 1 PHASE) WITH GROUND
2. ELECTRICAL STUB TO BE 1" RIGID CONDUIT

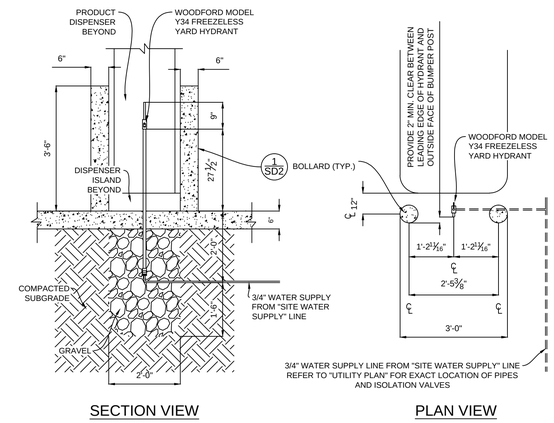
INSTALLATION REQUIREMENTS:

1. CONC. SLAB TO BE INSTALLED BY G.C.
2. AIR/VAC STAND (MODEL DS9) PROVIDED, INSTALLED & CONNECTED BY VENDOR.



3 SD2 AIR/VAC SERVICE DETAIL N.T.S.

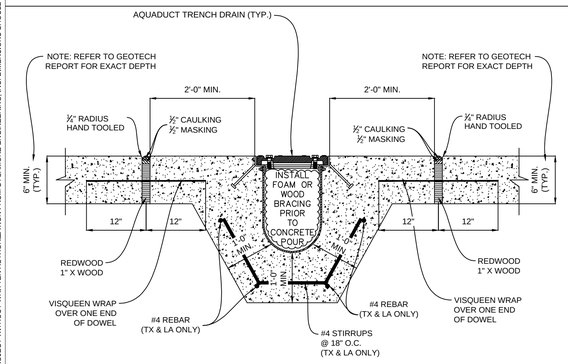
1. SECURE VAULT TO PAD W/ TWO (2) 29-00450 ANGLE BRACKETS AND FOUR (4) ⅝"ø x 4" SIMPSON TITAN HD SCREWTYPE ANCHORS (TYP.)
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.



SECTION VIEW PLAN VIEW

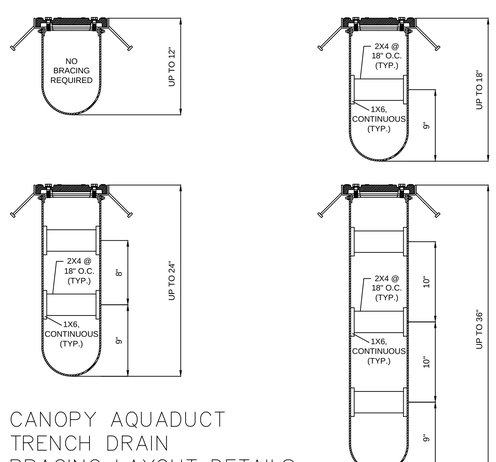
4 SD2 YARD HYDRANT DETAIL N.T.S.

1. SEE "SITE PLAN" FOR EXACT LOCATIONS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.



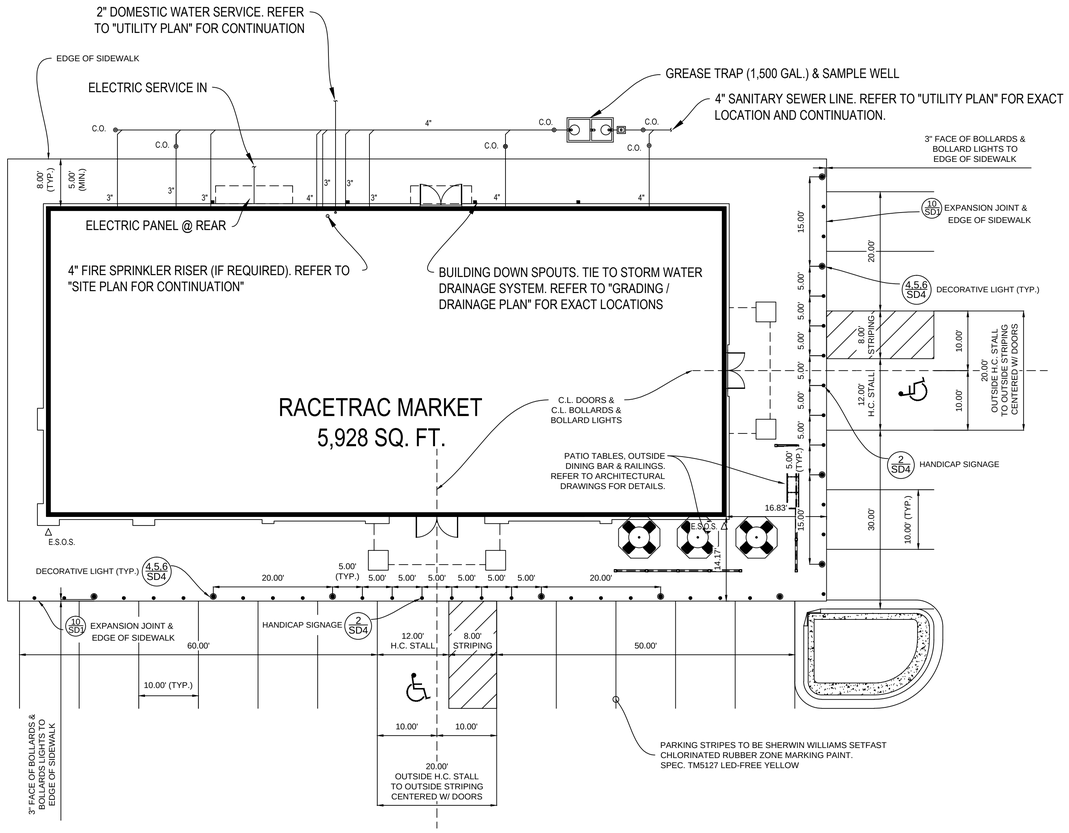
5 SD2 TYP. CONCRETE DETAIL @ CANOPY AQUADUCT TRENCH DRAIN N.T.S.

1. G.C. MUST READ INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF AQUADUCT TRENCH DRAIN.
2. REFER TO DETAIL 6-SD2 FOR BRACING RECOMMENDATIONS.
3. EACH TRENCH DRAIN IS INDIVIDUALLY DESIGNED AND SIZED BY AQUADUCT, INC. (REFER TO DESIGN SPECS FOR EXACT SIZING.)
4. SOME PROJECTS MAY HAVE MULTIPLE TRENCH DRAINS ON SITE. (REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.)



6 SD2 CANOPY AQUADUCT TRENCH DRAIN BRACING LAYOUT DETAILS N.T.S.

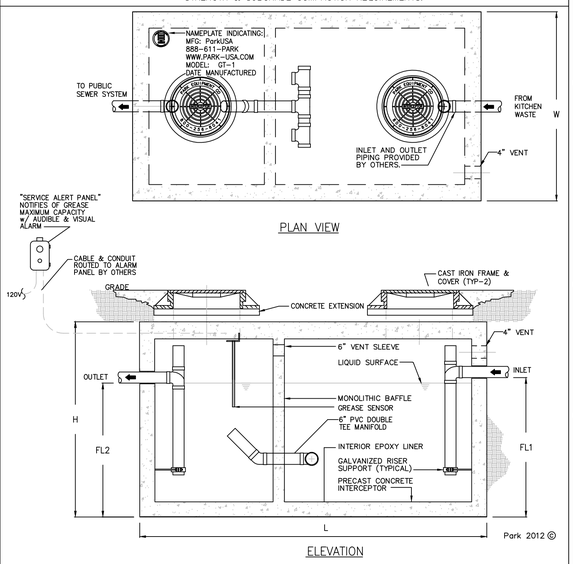
1. OVER 36" ADD AN ADDITIONAL LEVEL OF BRACING FOR EACH ADDITIONAL 12" OF DEPTH.

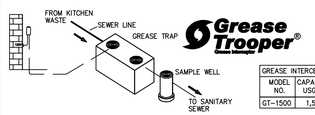


8 SD2 BOLLARD & SIDEWALK LAYOUT DETAIL FOR RT-6000 BUILDING N.T.S.

1. HANDICAP STRIPING SHALL COMPLY WITH LOCAL AUTHORITIES AND/OR STATE AND NATIONAL A.D.A CODES AND REGULATIONS.
2. ALL BOLLARDS AND LIGHT POSTS ARE TO BE ON THE BUILDING SIDE OF THE EXPANSION JOINT BETWEEN THE BUILDING AND FRONT PARKING.
3. FACE OF BOLLARDS AND LIGHT POSTS ALIGN 3" OFF EXPANSION JOINT

Bldg Entry Right - Reduced Patio





Typical applications include commercial and industrial food service kitchens where excessive grease may interfere with the proper drainage of the sewer system. The grease interceptor is generally buried below grade for gravity flow sewer systems. A sample well is utilized on the outlet side for sampling by the local water authority.

Specifications

CONCRETE : Class II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth. (Monolithic baffle required, slide-in type is not acceptable)

REINFORCEMENT: Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

C.I. CASTINGS: Manhole frames, covers or grates are manufactured of gray cast iron conforming to ASTM A48-76 Class 30. Manhole shall be nominal 24 inch diameter and be traffic duty.

GREASE INTERCEPTOR SCHEDULE

MODEL NO.	CAPACITY USGal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-1500	1,500	3,500	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION

Engineering Data

The grease interceptor is structurally & hydraulically engineered to conform to regional plumbing codes recommended in most cities. Consult with local authorities for specific application requirements.

Shop drawings shall include complete structural & buoyancy calculations certified by a licensed professional engineer.

Consult with Park Equipment Company for exact excavation dimensions & shipping information.

888.611.7275 www.park-usa.com
PARK USA Design for Water

GREASE INTERCEPTOR SERIES GT
1,500 GALLON CAPACITY

SCALE NONE | DWG. NO. GT-1 | REV. A
DATE 2012

9 SD2 GREASE TRAP (1,500 GALLON CAPACITY) & SAMPLE WELL DETAILS "OR APPROVED EQUAL" N.T.S.

NO.	REVISIONS	BY	DATE

J.D. ALSABAGH P.E.
FL P.E. #58995

SYCAMORE ENGINEERING INC.
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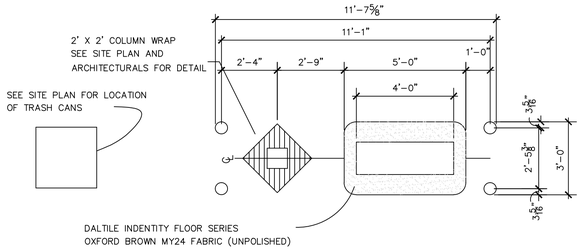
(770) 431-7600

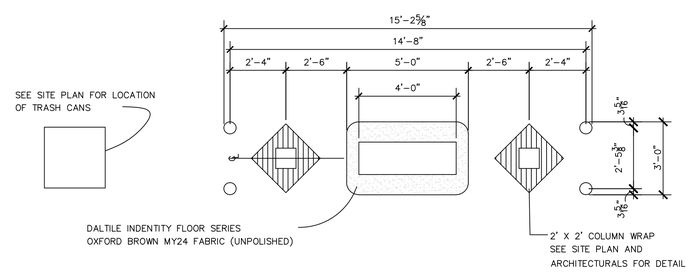
STANDARD DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	
DRAWING NAME:	R0907 SD1, SD2, SD3 & SD4 STD DETAILS.dwg
SD2	
SHEET NO.	VERSION



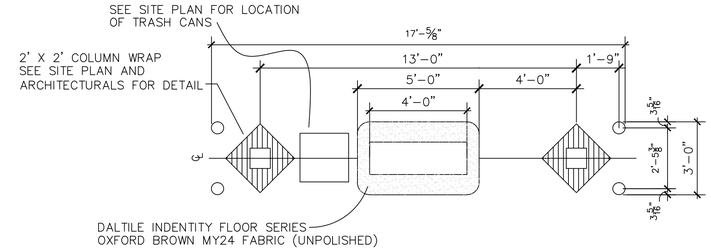
1 SD3 PUMP ISLAND DETAIL N.T.S.

1. SEE SITE PLAN FOR SPECIFIC ISLAND LAYOUTS.



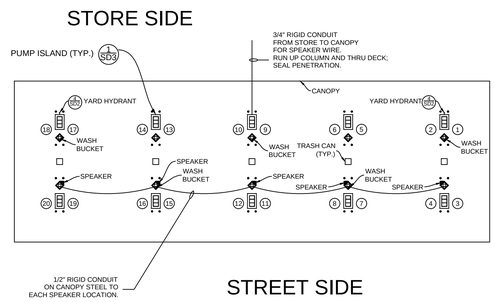
2 SD3 PUMP ISLAND DETAIL N.T.S.

1. SEE SITE PLAN FOR SPECIFIC ISLAND LAYOUTS.



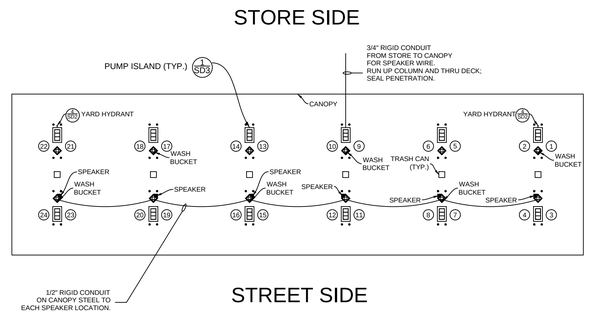
3 SD3 PUMP ISLAND DETAIL N.T.S.

1. SEE SITE PLAN FOR SPECIFIC ISLAND LAYOUTS.



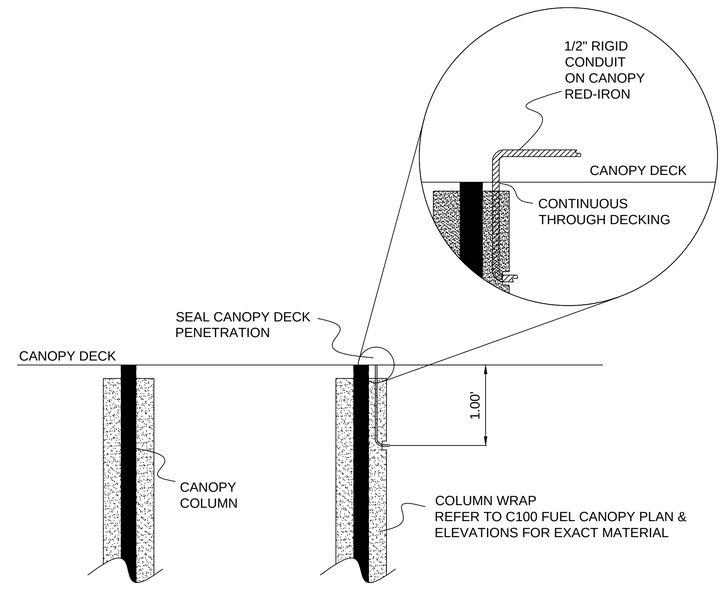
4 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. DOUBLE ROW OF FIVE (5) SINGLE COLUMN MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.

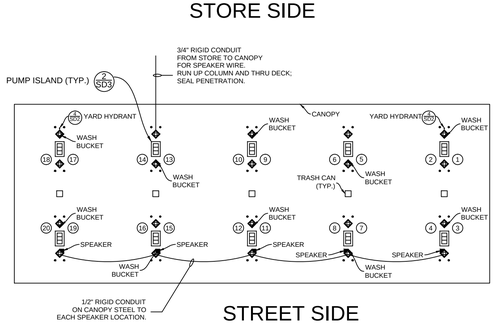


5 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. DOUBLE ROW OF SIX (6) SINGLE COLUMN MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.

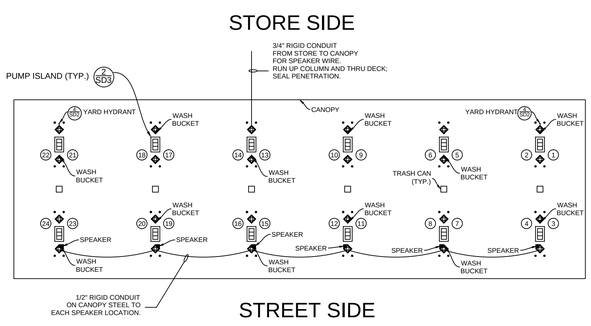


11 SD3 CONDUIT ATTACHMENT & PENETRATION DETAILS N.T.S.



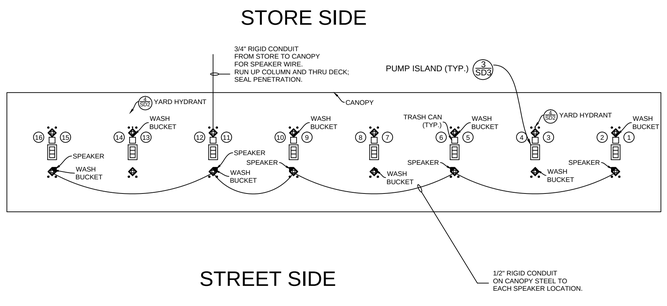
6 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. DOUBLE ROW OF FIVE (5) DOUBLE COLUMN MPD'S
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.



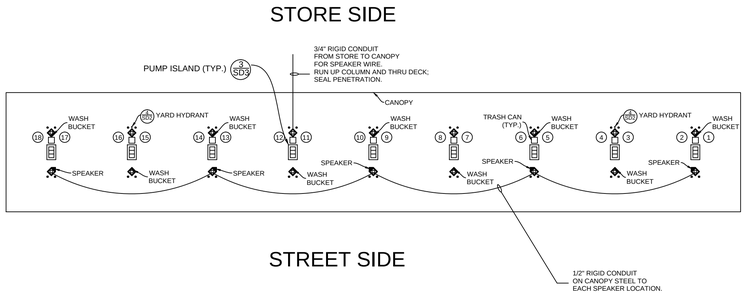
7 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. DOUBLE ROW OF SIX (6) DOUBLE COLUMN MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.



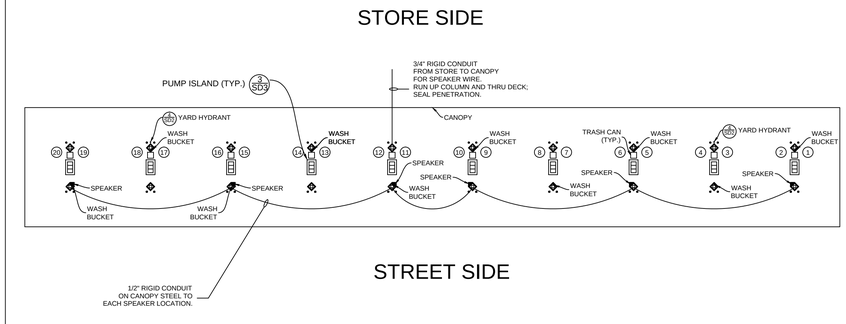
8 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. SINGLE ROW OF EIGHT (8) MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.



9 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. SINGLE ROW OF NINE (9) MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.



10 SD3 CANOPY ACCESSORY LAYOUT N.T.S.

1. SINGLE ROW OF 10 MPD'S.
2. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH P.E.
FL P.E. #58995

SYCAMORE ENGINEERING INC.
8370 W. Hillsborough Ave., Suite 205
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RACETRAC PETROLEUM, INC.
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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS

RACETRAC MARKET #1151

State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	
DRAWING NAME: R0907 SD1, SD2, SD3 & SD4 STD DETAILS.dwg	
SD3	
SHEET NO.	VERSION

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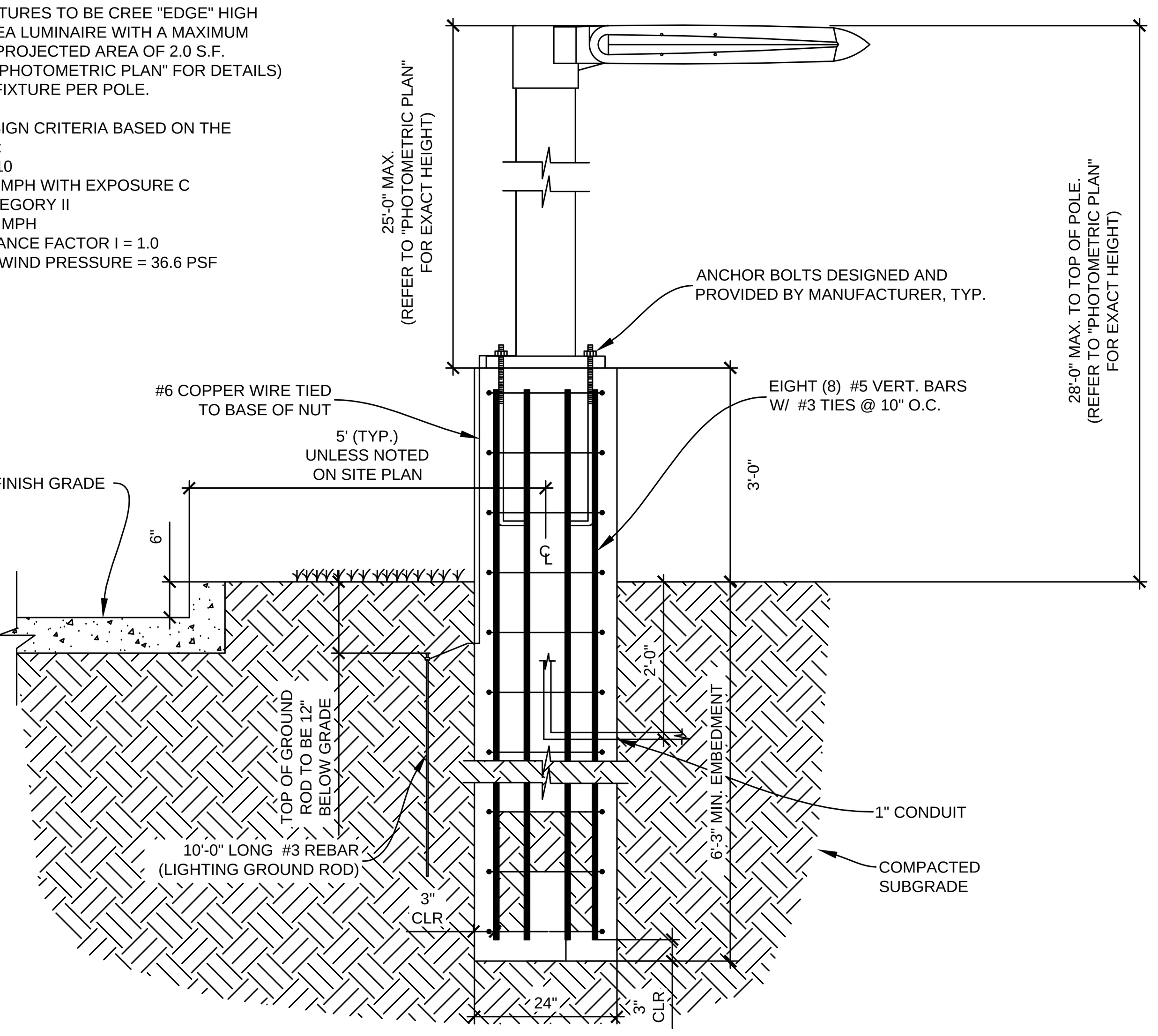
NOTES:
1).LIGHT POLES TO BE CREE, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE CREE "EDGE" HIGH OUTPUT AREA LUMINAIRE WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 2.0 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=120 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=93 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 36.6 PSF

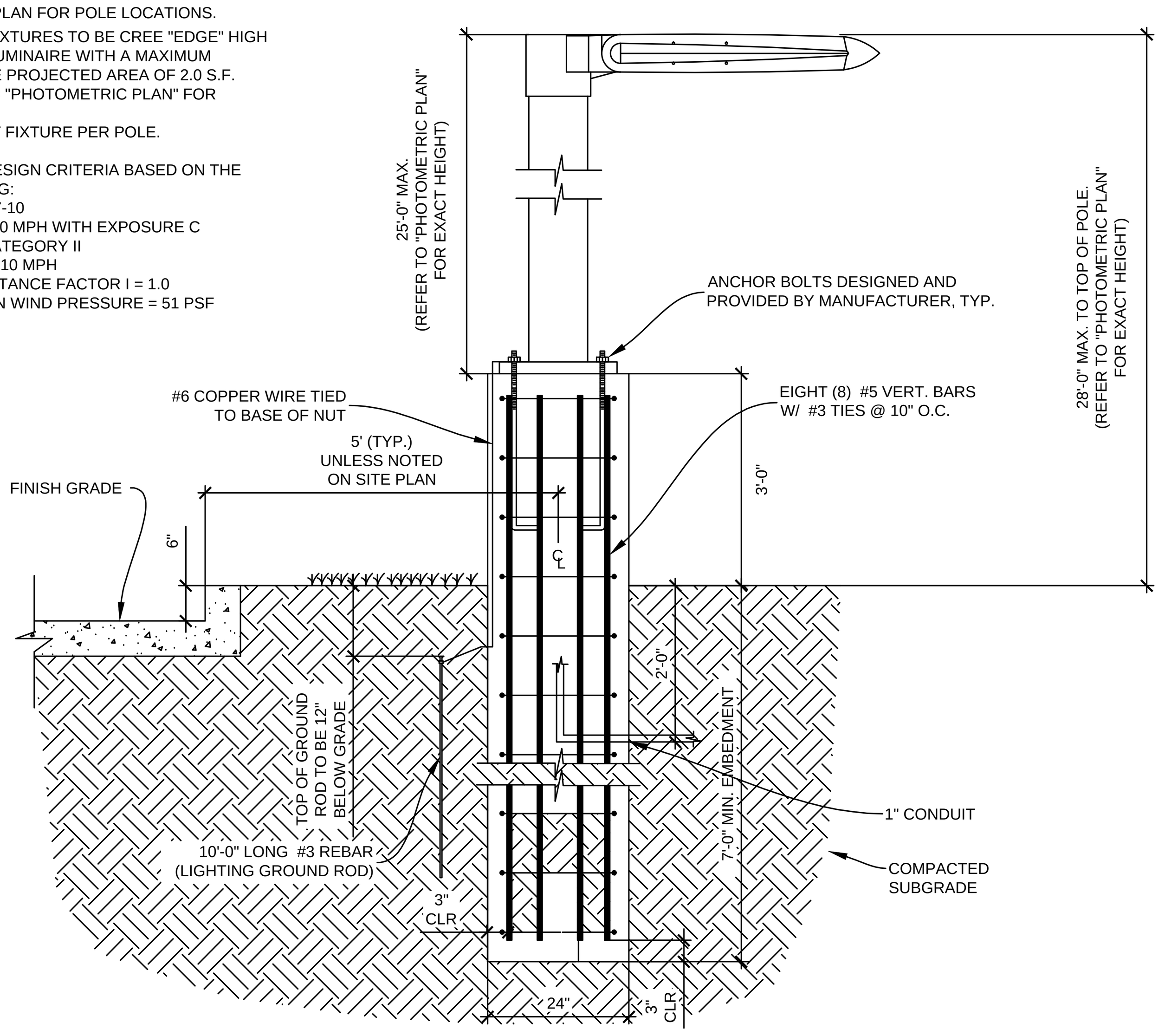


TYP. SITE LIGHTING SECTION 120 MPH WIND (Vult)

1 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 93 MPH WIND (Vasd); 120 MPH (Vult) .
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
4. CONCRETE ABOVE FINISH GRADE TO BE SMOOTH WITH RUBBED FINISH.
5. CONCRETE LIGHT POLE BASES TO BE PAINTED TO MATCH BOLLARD.

NOTES:
1).LIGHT POLES TO BE CREE, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE CREE "EDGE" HIGH OUTPUT LUMINAIRE WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 2.0 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=140 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=110 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 51 PSF

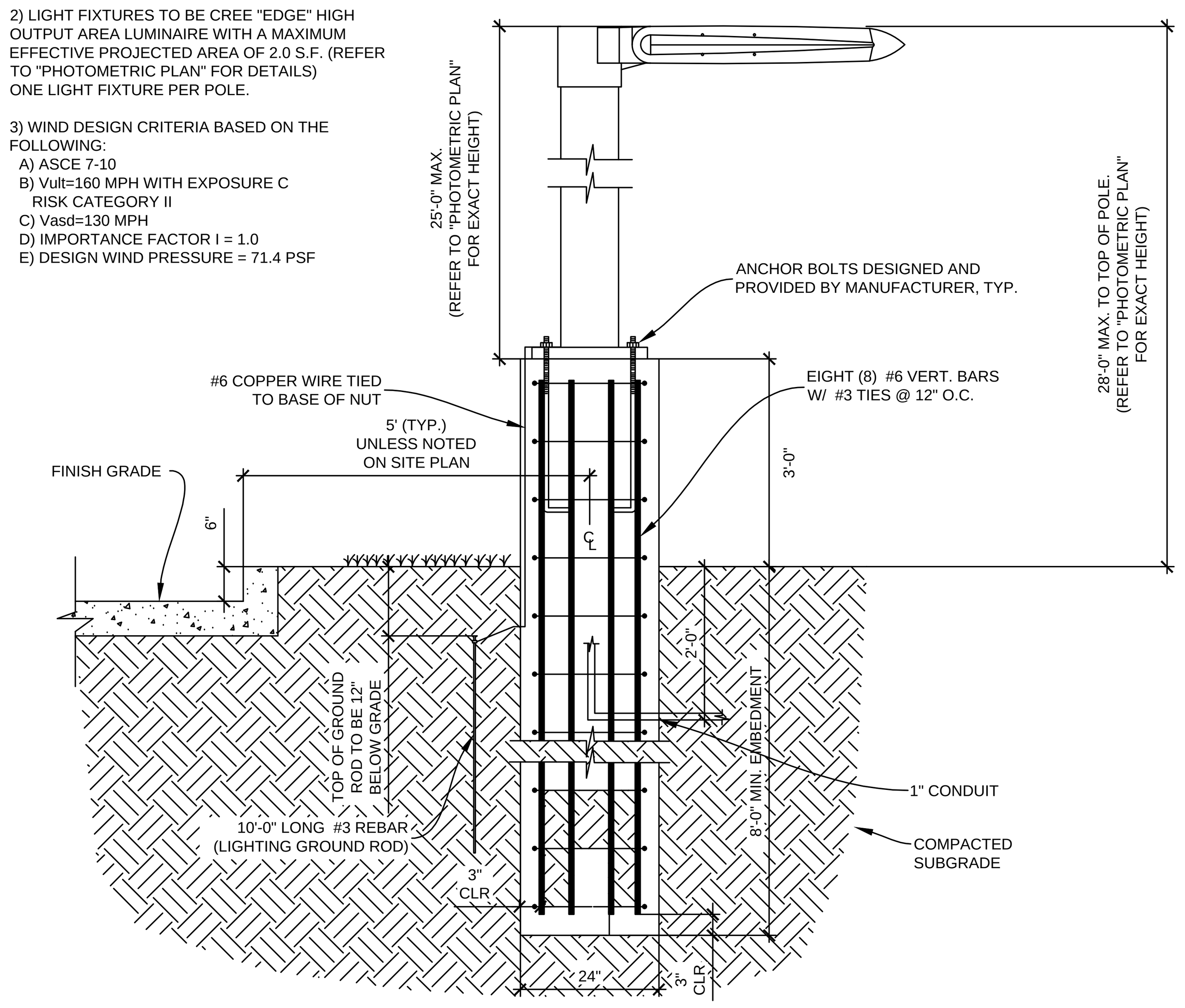


TYP. SITE LIGHTING SECTION 140 MPH WIND (Vult)

2 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 110 MPH WIND (Vasd); 140 MPH (Vult) .
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
4. CONCRETE ABOVE FINISH GRADE TO BE SMOOTH WITH RUBBED FINISH.
5. CONCRETE LIGHT POLE BASES TO BE PAINTED TO MATCH BOLLARD.

NOTES:
1).LIGHT POLES TO BE SPAULDING LIGHTING, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR.SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE CREE "EDGE" HIGH OUTPUT AREA LUMINAIRE WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 2.0 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=160 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=130 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 71.4 PSF

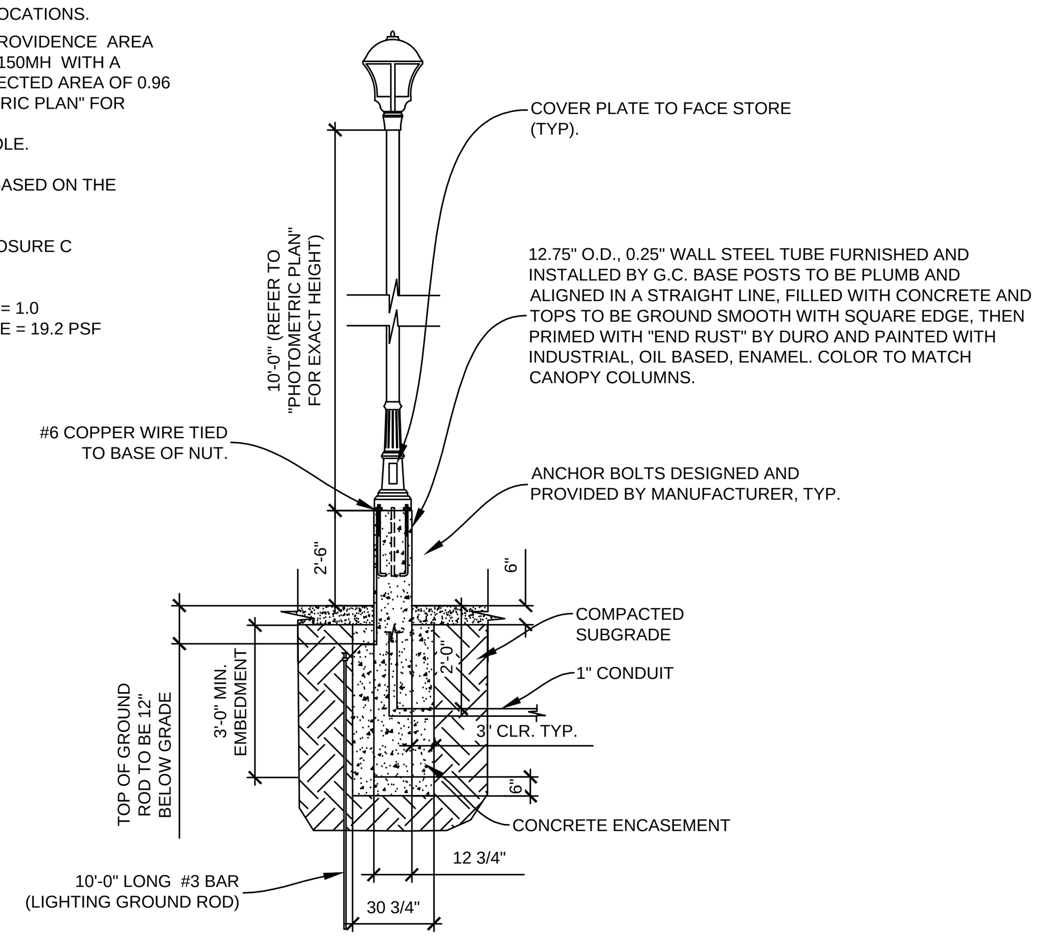


TYP. SITE LIGHTING SECTION 160 MPH WIND (Vult)

3 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 130 MPH WIND (Vasd); 160 MPH (Vult) .
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
4. CONCRETE ABOVE FINISH GRADE TO BE SMOOTH WITH RUBBED FINISH.
5. CONCRETE LIGHT POLE BASES TO BE PAINTED TO MATCH BOLLARD.

NOTES:
1).LIGHT POLES TO BE PROVIDENCE, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE PROVIDENCE AREA LIGHTING MODEL PROV-H5-150MH WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 0.96 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=120 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=93 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 19.2 PSF

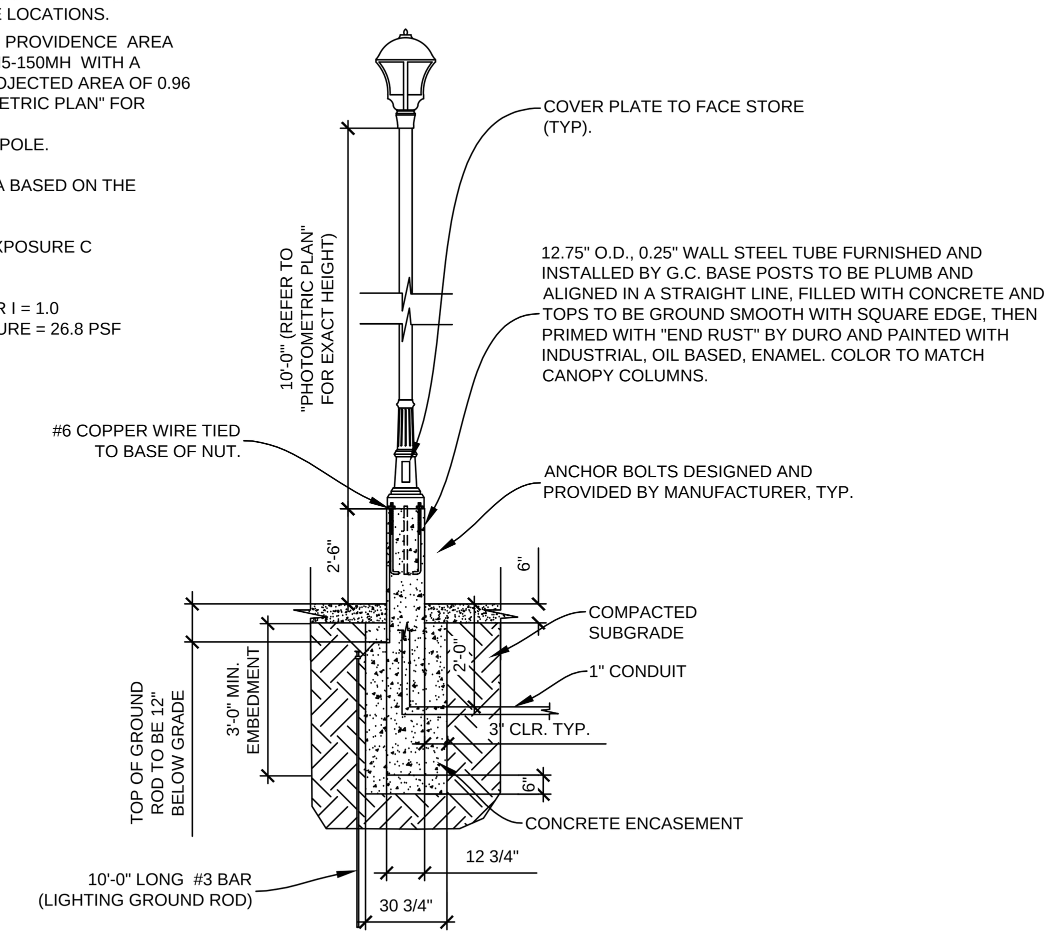


TYP. DECORATIVE LIGHTING SECTION 120 MPH WIND (Vult)

4 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 93 MPH WIND (Vasd); 120 MPH (Vult).
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.

NOTES:
1).LIGHT POLES TO BE PROVIDENCE, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE PROVIDENCE AREA LIGHTING MODEL PROV-H5-150MH WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 0.96 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=140 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=110 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 26.8 PSF

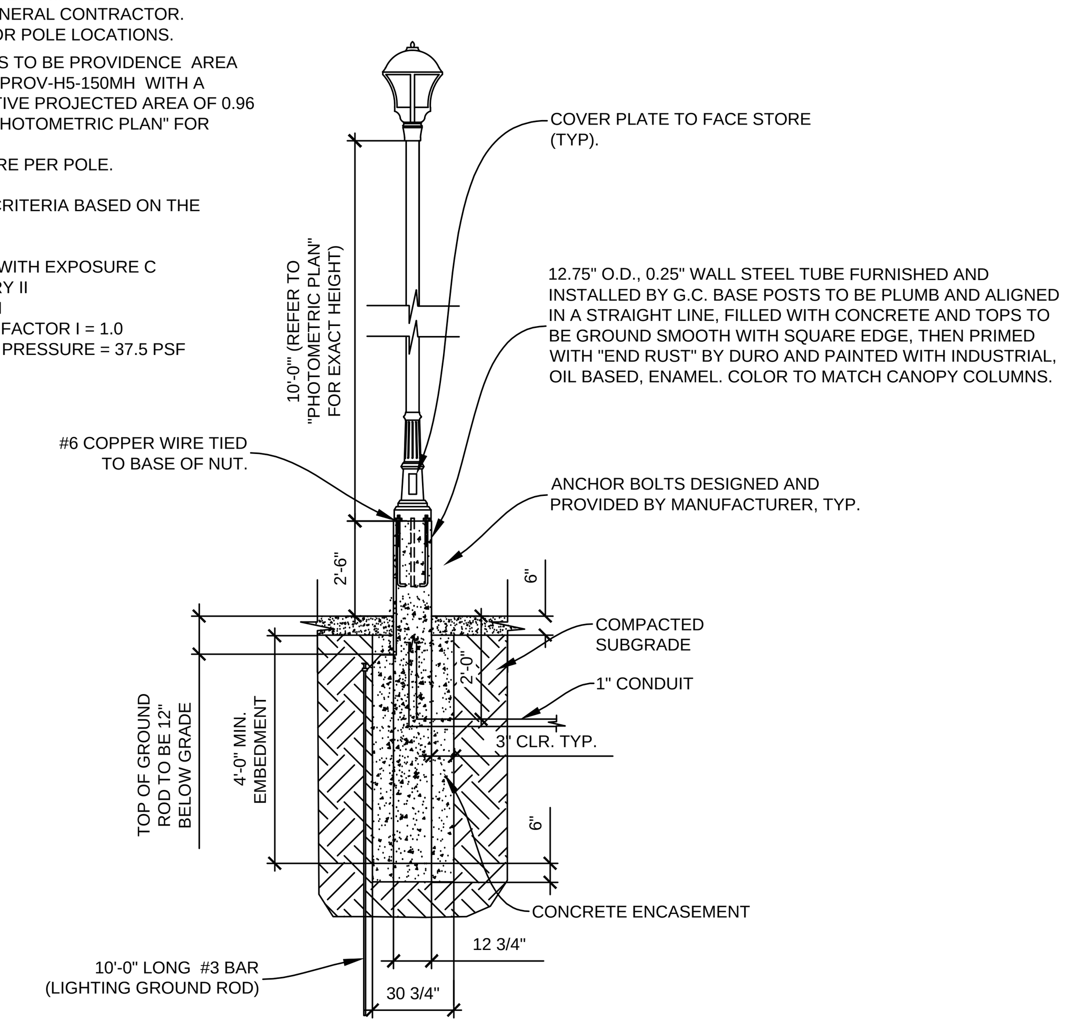


TYP. DECORATIVE LIGHTING SECTION 140 MPH WIND (Vult)

5 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 110 MPH WIND (Vasd); 140 MPH (Vult).
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.

NOTES:
1).LIGHT POLES TO BE PROVIDENCE, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2) LIGHT FIXTURES TO BE PROVIDENCE AREA LIGHTING MODEL PROV-H5-150MH WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 0.96 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS) ONE LIGHT FIXTURE PER POLE.
3) WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
A) ASCE 7-10
B) Vult=160 MPH WITH EXPOSURE C RISK CATEGORY II
C) Vasd=130 MPH
D) IMPORTANCE FACTOR I = 1.0
E) DESIGN WIND PRESSURE = 37.5 PSF



TYP. DECORATIVE LIGHTING SECTION 160 MPH WIND (Vult)

6 / SD4 — N.T.S.

NOTES:1. LIGHT POLES SHALL MEET 130 MPH WIND (Vasd); 160 MPH (Vult).
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

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RACETRAC PETROLEUM, INC.
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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	
DRAWING NAME: R0907 SD1, SD2, SD3 & SD4 STD DETAILS.dwg	
SD4	
SHEET NO.	VERSION

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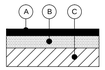
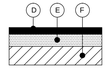


(A) 2 LIFT (1" EACH) 2" FDOT TYPE S-I ASPHALTIC WEARING SURFACE..

(B) 6" LIMEROCK, CRUSHED CONCRETE, OR SOIL CEMENT BASE 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, LBR OF AT LEAST 100.

(C) 9" SUBBASE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.

LIGHT DUTY



(D) 2 LIFT (1" EACH) 2" FDOT TYPE S-I ASPHALTIC WEARING SURFACE..

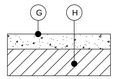
(E) 8" LIMEROCK, CRUSHED CONCRETE, OR SOIL CEMENT BASE 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, LBR OF AT LEAST 100.

(F) 9" SUBBASE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.

HEAVY DUTY

NOTE: BASE MATERIAL SHALL BE EXTENDED A MINIMUM OF 1 FOOT BEYOND THE BACK OF CURB AND SUB-BASE SHALL BE EXTENDED 1 FOOT MIN. BEYOND THE BASE.

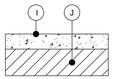
FLEXIBLE PAVEMENT CONSTRUCTION



(G) 5" TYPE 1 PORTLAND CEMENT CONCRETE WITH A 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C-39. 10' X 10' CONTROL JOINT SPACING W/ MIN. 1-1/4" SAW-CUT DEPTH.

(H) 24" MIN. CLEAN, FINE SAND SUBGRADE WITH LESS THAN 10% PASSING A NO. 200 SIEVE, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.

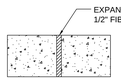
LIGHT DUTY



(I) 7" TYPE 1 PORTLAND CEMENT CONCRETE WITH A 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C-39. 12' X 12' CONTROL JOINT SPACING W/ MIN. 1-1/2" SAWCUT DEPTH.

(J) 24" MIN. CLEAN, FINE SAND SUBGRADE WITH LESS THAN 10% PASSING A NO. 200 SIEVE, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.

HEAVY DUTY

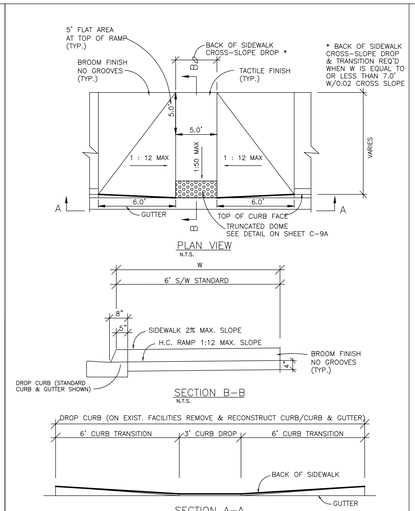


NOTE: CONTRACTOR SHALL COMPLY WITH PASCO COUNTY SPECIFICATIONS, AND DESIGN DATA AND RECOMMENDATION OF THE FCPA "DESIGN AND CONSTRUCTION OF CONCRETE PAVEMENT MANUAL" FOR CONCRETE PAVEMENT JOINT SPACING. THIS IS TO INCLUDE CONTROL/CONSTRUCTION, CONTRACTION AND ISOLATION JOINTS.

RIGID PAVEMENT CONSTRUCTION

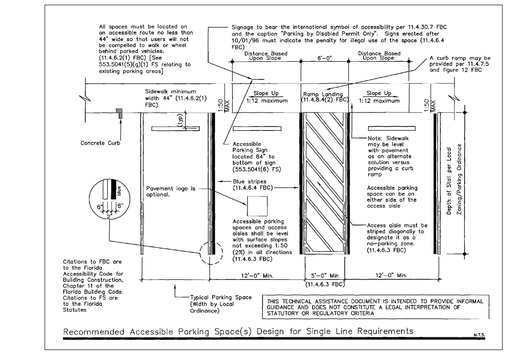
NOTES:
1. SUB-GRADE SOILS MUST BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY TO A DEPTH OF AT LEAST 2 FT. PRIOR TO PLACEMENT OF CONCRETE.
2. WHERE CONCRETE PAVEMENT IS CONSTRUCTED ALL CURBING ADJACENT TO IT SHALL BE INTEGRAL CURB.
3. CONCRETE PAVEMENT SHOULD BE CONSTRUCTED ONLY OVER STABLE AND SMOOTH COMPACTED SUBGRADES. ANY SURFACE DISTURBANCES OR WHEEL RUTTING SHOULD BE PREPARED PRIOR TO PLACEMENT OF CONCRETE.
4. THE SUBGRADE SHOULD BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO THE PLACEMENT OF CONCRETE TO MINIMIZE ABSORPTION OF MOISTURE FROM THE CONCRETE DURING CURING.
5. CONCRETE PAVEMENT THICKNESS SHOULD BE UNIFORM THROUGHOUT, WITH THE EXCEPTION OF CURBING OR THICKENED EDGES.

DETAIL 1 | PAVING DETAILS
SCALE : N.T.S.



CURB CUT RAMP FACILITY FOR PHYSICALLY HANDICAPPED

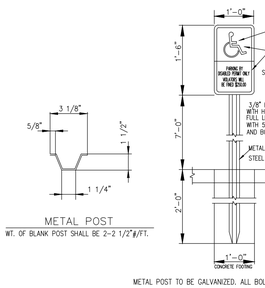
DETAIL 2 | HANDICAP RAMP DETAILS
SCALE : N.T.S.



Sect. 4.6 Parking and Passenger Loading Zones
Sect. 4.6.2 Location.

"Accessible parking spaces serving a particular building shall be located on the shortest safely accessible route of travel from adjacent parking to an accessible entrance."

(Florida Accessibility Code for Building Construction)



NOTES:
1. METAL POST MUST BE GALVANIZED. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
2. CONCRETE FOR FOOTING SHALL USE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
3. SIGNS WILL BE FABRICATED BY USING REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDER APPLIED TO A SHEET ALUMINUM BACKING (.080) IN THICKNESS.
4. MESSAGE LETTERING SHALL BE UPPER CASE (WHITE)(SERIES B) 2" HIGH IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. THE SYMBOL IS COMPOSED OF A WHITE WHEELCHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT).
6. SIGN POST SHALL BE MIN. 2'-0" CLEAR FROM BACK OF CURB.

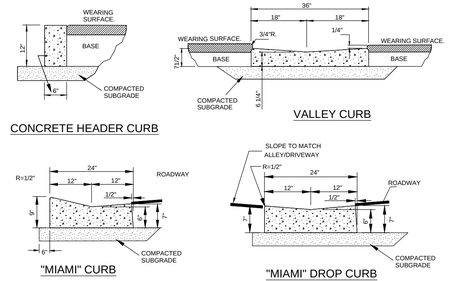
(SIGN FOR THE PHYSICALLY DISABLED)
DETAIL B
N.T.S.

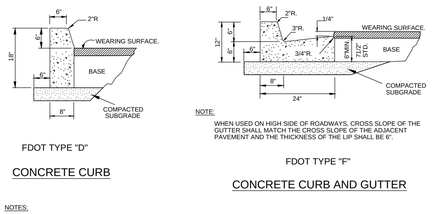
MARKING NOTES:
1. DIMENSIONS ARE TO THE CENTER LINE OF THE MARKINGS.
2. AN ACCESS AISLE IS REQUIRED FOR EACH ACCESSIBLE SPACE WHEN ANGLED PARKING IS USED
3. CRITERIA FOR PAVEMENT MARKINGS ONLY, NOT PUBLIC SIDEWALK CURB RAMP LOCATIONS.
4. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A
5. THE FTP-22-04 PANEL SHALL BE MOUNTED BELOW THE FTP-21-04 PANEL.

ACCESSIBLE PARKING STANDARDS PURSUANT TO 2006 FDOT DESIGN STANDARDS, INDEX. 17346.
SECT. 4.6 PARKING AND PASSENGER LOADING ZONES
SECT. 4.6.2 LOCATION
* ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST SAFELY ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE.

DISABLED PARKING / MARKING

DETAIL 4 | PASCO COUNTY HANDICAP PARKING DETAIL
SCALE : N.T.S.

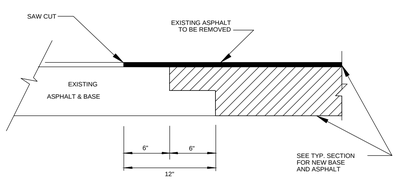




NOTE:
WHEN USED ON HIGH SIDE OF ROADWAYS, CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6".

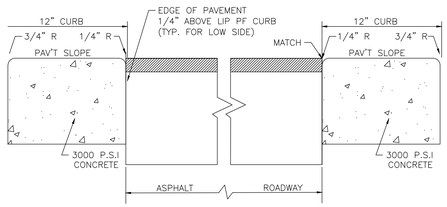
NOTES:
1. ROADWAY SUBGRADE SHALL IN ALL CASES EXTEND 6" BEYOND CURBING.
2. SAWCUTS AT 10' CENTERS SHALL BE MADE WITHIN 24 HOURS OF CONCRETE PLACEMENT.
3. CONCRETE SHALL BE 3,000 P.S.I.
4. THE CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "I" CONCRETE, AND HAVE A COMPRESSIVE STRENGTH OF 2500 PSI.
5. ALL CURBS SHALL HAVE CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'- 0" ON CENTERS FOR ALL CURBS.

DETAIL-5 | CURB AND GUTTER
SCALE : N.T.S.

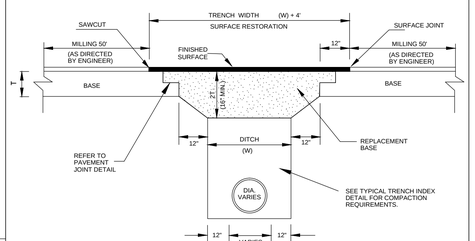


NOTE:
1. THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.

DETAIL-6 | PAVEMENT JOINT
SCALE : N.T.S.

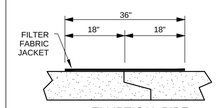


DETAIL 7 | CONCRETE FLUSH CURB DETAIL
SCALE : N.T.S.

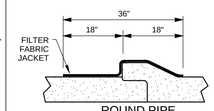


NOTES:
1. REPLACEMENT BASE MATERIAL OVER DITCH SHALL BE AT MINIMUM 16" THICK OR TWICE THE THICKNESS OF THE EXISTING BASE, WHICHEVER IS GREATER
2. BASE MATERIAL SHALL BE PLACED IN THREE OR MORE LIFTS AND EACH LIFT COMPACTED TO 98% DENSITY PER A.A.S.H.T.O. T-180, LBR 100 (MAX. LIFT THICKNESS = 6").
3. FLOWABLE FILL MAY BE USED AS A REPLACEMENT FOR BASE MATERIAL.
4. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND ALL SURFACES TACK COATED
5. SURFACE MATERIAL SHALL BE FDOT TYPE S-III (PC-III). ASPHALTIC CONCRETE (MIN. THICKNESS 1 1/2 ")
6. ANY PAVEMENT CUTS SHALL BE COLD PATCHED AT END OF EACH WORKING DAY TO FACILITATE UNHINDERED TRAFFIC FLOW.
7. ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED IN ACCORDANCE WITH CITY STANDARDS.
8. NO OPEN CUT OF ROADS THAT HAVE BEEN NEWLY BUILT OR RESURFACED WITHIN THE LAST FIVE YEARS. PLEASE

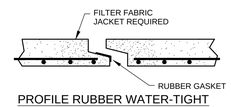
DETAIL-8 | PAVEMENT REPAIR
SCALE : N.T.S.



ELLIPTICAL PIPE

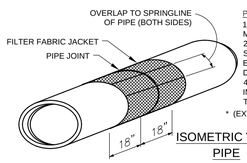


ROUND PIPE



PROFILE RUBBER WATER-TIGHT 'O'-RING GASKET
BEFORE PULL-UP

CONCRETE PIPE JOINTS



ISOMETRIC VIEW
PIPE

PIPE JOINT NOTES:
1. ALL JOINTS OF ALL PIPE SHALL BE WRAPPED WITH FILTER FABRIC WHICH SHALL EXTEND A MINIMUM OF 18" ON BOTH SIDES OF JOINT (FILTER FABRIC PER F.D.O.T. INDEX 199 D-3)
2. FILTER FABRIC SHALL OVERLAP ON TOP OF PIPE DOWN TO SPRING LINE OF PIPE ON BOTH SIDES 3. ALL STORM DRAINAGE PIPE SHALL BE 15" MIN. DIAMETER R.C.P. OR ITS HYDRAULIC EQUIVALENT UNLESS APPROVED OTHERWISE IN WRITING BY COUNTY MANAGER OR HIS DESIGNEE
4. CONFLICT STRUCTURES SHALL BE APPROVED ON A CASE BY CASE BASIS 5. ALL STORM INLETS, CATCH BASINS & MANHOLES SHALL BE PRECAST CONCRETE SEE F.D.O.T. ROAD & TRAFFIC DESIGN STANDARDS (LATEST EDITION)

* (EXTERIOR WALL JOINTS SHALL BE WRAPPED WITH CON-WRAP, E-Z WRAP OR APPROVED EQUAL)

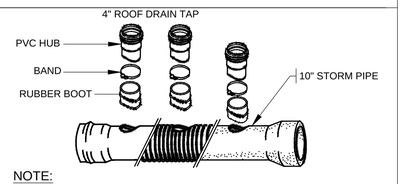
FILTER FABRIC JACKET FOR PIPE JOINTS

PIPE REQUIREMENTS:
1. REINFORCED CONCRETE PIPE (ASTM C 76) CLASS III OR STRONGER BASED ON "D" LOAD; OR FRCP (FIBER-MIX) CONCRETE PIPE; PER: ASTM C1450 AND F.D.O.T. SPEC. SECTION 941, OR LATEST EDITION.
2. PRE-STRESSED CONCRETE PIPE (AWWA C301) SHALL BE APPROVED ON A CASE BY CASE BASIS
3. CORRUGATED ALUMINUM PIPE SHALL BE SUBJECT TO SPECIAL APPROVAL BY COUNTY MANAGER OR DESIGNEE
4. CORRUGATED SMOOTH BORE HDPE PIPE - 12"Ø TO 42"Ø (AASHTO M294, TYPE S) INTEGRALLY MOLDED RUBBER GASKETED, BELL & SPIGOT (ASTM F477) OR 42"Ø TO 60"Ø (AASHTO M294 TYPE D OR AASHTO MP7 TYPE D). WELDED-ON RUBBER GASKETED, BELL & SPIGOT (ASTM F477).

* (CORRUGATED SMOOTH BORE HDPE SHALL BE APPROVED ON A CASE BY CASE BASIS.) TRENCH INSTALLATION - USING SURFACE LIVE-LOAD CONDITION OF H25 PER: ASTM D2321 (FLEXIBLE AND RIGID PAVEMENTS).

GENERAL NOTES:
1. ALL PAVEMENT MARKINGS AND TRAFFIC CONTROLS SHALL COMPLY WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.), LATEST EDITION AS PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.)
2. HANDICAP RAMPS SHALL COMPLY WITH THE "AMERICANS WITH DISABILITIES ACT" OF 1992
3. ALL PAVING AND DRAINAGE STRUCTURES (INCLUDING CURBING) SHALL COMPLY WITH F.D.O.T. "STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
4. RECORDINGS FROM CLOSED CIRCUIT TELEVISION INSPECTIONS CONDUCTED BY A CONTRACT TV INSPECTOR EMPLOYED BY THE DEVELOPER SHALL BE PROVIDED TO THE COUNTY ON A DVD AND INCLUDE A WRITTEN REPORT CORRESPONDING TO THE DVD RESULTS. A POST CLOSED CIRCUIT TELEVISION INSPECTION SHALL BE REQUIRED BY THE DEVELOPER PRIOR TO THE EXPIRATION OF THE MAINTENANCE BOND.

DETAIL-9 | CONCRETE PIPE JOINT AND FILTER FABRIC JACKET DETAILS
SCALE : N.T.S.



NOTE:
ANY CONTRACTOR MUST BE CAREFUL WHEN DRILLING INTO EXISTING PIPE TO AVOID CRACKING AND FRACTURING

DETAIL 10 | INSERTA-TEE DETAIL
SCALE : N.T.S.

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH P.E.
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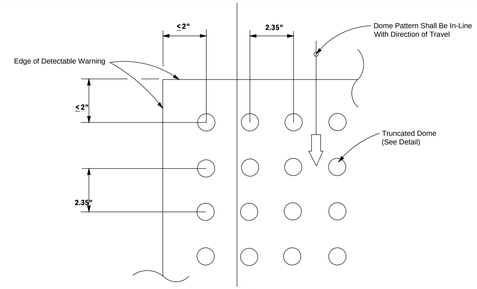
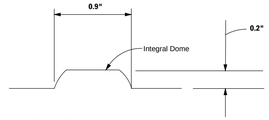
CONSTRUCTION DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME:	R0907 SD5 & SD6 DETAILS.dwg
SD5	
SHEET NO.	VERSION



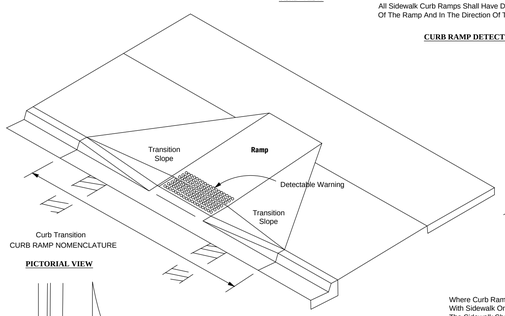
PLAN VIEW



TRUNCATED DOME

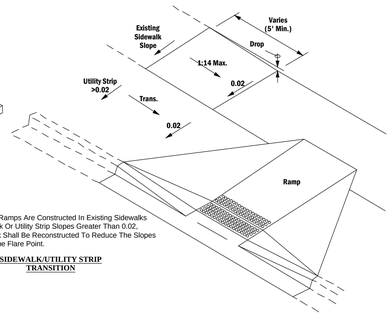
All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

CURB RAMP DETECTABLE WARNING



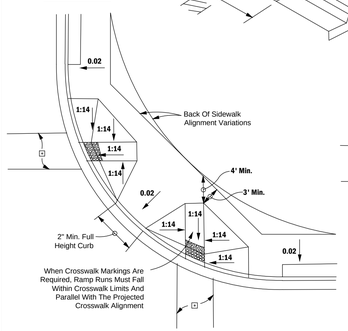
Curb Transition
CURB RAMP NOMENCLATURE

PICTORIAL VIEW

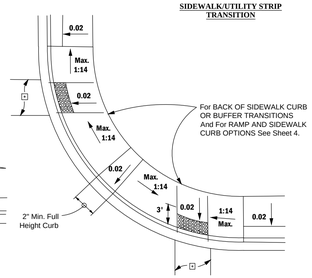


Where Curb Ramps Are Constructed In Existing Sidewalks With Sidewalk Or Utility Strip Slopes Greater Than 0.02, The Sidewalk Shall Be Reconstructed To Reduce The Slopes To 0.02 At The Flare Point.

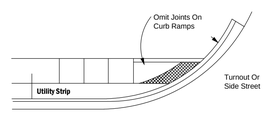
SIDEWALK/UTILITY STRIP TRANSITION



⊡ Crosswalk widths and configuration vary; must conform to Index No. 17344 and 17346.



Note: A portion of one or both ramps may extend outside the return.

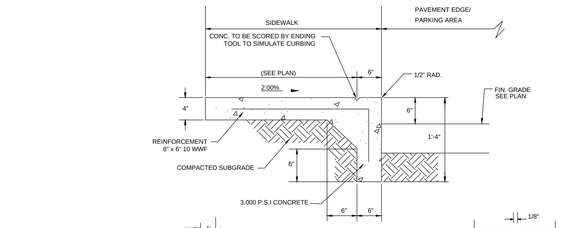


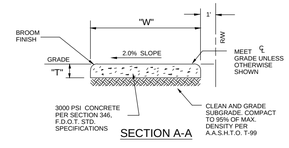
LINEAR SIDEWALK RAMPS

TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS

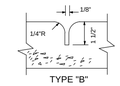
ALL DETECTABLE WARNING SURFACE ON-SITE SHALL BE TRUNCATED DOME PAVERS

DETAIL-1 HANDICAP CURB RAMP DETAILS
SCALE : N.T.S.

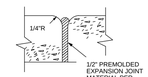




SECTION A-A



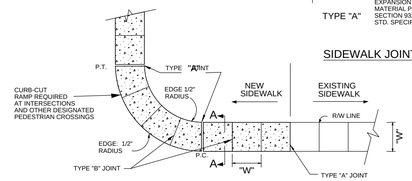
TYPE "B"



TYPE "A"

1/2" PREMOLDED EXPANSION JOINT MATERIAL PER SECTION 932-1.1 F.D.O.T. STD. SPECIFICATIONS

SIDEWALK JOINTS



PLAN

TABLE OF SIDEWALK THICKNESS - "T"	
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	4"

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES JUNCTION OF EXISTING AND NEW SIDEWALKS AND EVERY 50' FOR 5' WIDE
"B"	WIDTH OF SIDEWALK CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

DETAIL-2 SIDEWALKS DETAILS
SCALE : N.T.S.

NO.	REVISIONS	BY	DATE

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SUITE 100 ATLANTA, GA 30339
(770) 431-7600

CONSTRUCTION DETAILS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 SD5 & SD6 DETAILS.dwg	
SD6	
SHEET NO.	VERSION

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TRAFFIC CONTROL NOTES

1. THE MAINTENANCE OF TRAFFIC FOR MINOR IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT VERSION) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT VERSION).
2. ADVANCE WARNING SIGNS SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS AND SHALL REMAIN THROUGHOUT CONSTRUCTION PERIOD. (SEE TYPICAL ADVANCE WARNING SIGNS FOR DETAILS)
3. SEE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX 600 SERIES FOR ADDITIONAL INFORMATION AND TYPICAL CONSTRUCTION SIGNING WITHIN LIMITS OF WORK ZONE.
4. MAINTAIN EXISTING TRAFFIC LANES ON INTERSECTING STREETS DURING PERIODS OF BOTH ACTIVE AND INACTIVE WORK ZONE. UTILIZE FDOT STANDARD INDEX 600 SERIES FOR TRAFFIC CONTROL.
5. ARROW DENOTES DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.
6. MAINTENANCE OF TRAFFIC SIGNING LOCATIONS ARE APPROXIMATE AND MAY BE VARIED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID ANY CONFLICTS. MINIMUM SIGNING DISTANCES SHALL BE MAINTAINED DURING CONSTRUCTION.
7. EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION SIGNS SHALL BE REMOVED OR COVERED DURING CONSTRUCTION.
8. CONFLICTING MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED.
9. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND UPON COMPLETION OF THE PROJECT.
10. THE CONTRACTOR SHALL COMPLY WITH THE DROP OFF CRITERIA DURING CONSTRUCTION IN ACCORDANCE WITH INDEX 600.
11. EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
12. COST OF DRIVEWAY MAINTENANCE SHALL BE INCLUDED IN THE LUMP SUM MAINTENANCE OF TRAFFIC PAY ITEM.
13. THE TRAFFIC AND TRAVEL WAY SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK AREA UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
14. THE CONTRACTOR, AT HIS OWN EXPENSE, MAY PREPARE AN ALTERNATE TRAFFIC CONTROL PLAN AND SUBMIT TO THE ENGINEER AND PASCO COUNTY FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
15. NO LANE CLOSURE IS PERMITTED BETWEEN HOURS OF 5:00 AM AND 9:00 PM UNLESS PRIOR APPROVAL IS OBTAINED FROM FDOT AND PASCO COUNTY.
16. CONTRACTOR'S LIABILITY INSURANCE AND 48 HOUR START CONSTRUCTION NOTIFICATION IS REQUIRED BEFORE CONSTRUCTION BEGINS. NO CONSTRUCTION OR OTHER ACCESS TO THIS PROJECT VIA THE FDOT RIGHT OF WAY IS ALLOWED UNTIL A PERMIT IS ISSUED.

R.O.W. STRIPING NOTES

1. ALL MARKINGS ARE TO CONFORM TO THE MOST CURRENT ISSUE OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT VERSION) ALONG WITH THE MOST CURRENT ISSUE OF FLORIDA ROADWAY AND TRAFFIC DESIGN STANDARD HANDBOOKS (CURRENT VERSION).
2. ALL PAVEMENT STRIPING AND MARKINGS ARE TO BE THERMOPLASTIC WITH RAISED PAVEMENT MARKERS WHERE APPLICABLE TO MEET FDOT STANDARDS AND SPECIFICATIONS AS APPROPRIATE.
3. ARROW SPACING TO CONFORM WITH FDOT INDEX NO. 17346.
4. TEMPORARY TAPE TO BE INSTALLED PRIOR TO DARKNESS ON DAY OF EXISTING MARKINGS REMOVAL. NO CONFLICTING MARKINGS PERMITTED.
5. THE SIGNING AND STRIPING DETAILS SHOW ON THESE PLANS PROVIDE GENERAL GUIDELINES ONLY. THE CONTRACTOR WILL FOLLOW THE CURRENT VERSIONS OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (R.T.D.S.) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) FOR ADDITIONAL DETAILS.
6. A 14 DAY PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS.
7. THE PHYSICAL CONSTRUCTION OF ALL SIGNS, PAVEMENT MARKINGS, DELINEATORS, ETC., ARE TO BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS AS APPROPRIATE.
8. EXISTING SIGNS TO BE RELOCATED AND/OR REMOVED PER FDOT SPECIFICATIONS.
9. REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ACCORDING TO THE F.D.O.T.R.T.D.S. (CURRENT VERSION). THE FOLLOWING FDOT INDEX NO. IS APPLICABLE : 17352.
10. CONTRACTOR IS TO PROVIDE FLAGMEN, AND OTHER TRAFFIC CONTROL MEASURES NECESSARY TO PROTECT AND FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION.
11. THE LOCATIONS OF ALL SIGNS, STRIPING, AND PAVEMENT MARKINGS ARE TO BE DELINEATED BY THE CONTRACTOR BY STAKING AND APPLICATIONS OF A LIGHT COAT OF TEMPORARY PAINT FOR FINAL APPROVAL BY THE PROJECT ENGINEER AND PASCO COUNTY AS APPROPRIATE PRIOR TO FINAL CONSTRUCTION.
12. EXISTING STRIPING DESIGNATED FOR REMOVAL SHALL BE MILLED AND RESURFACED IN ACCORDANCE WITH FDOT REQUIREMENTS AND SPECIFICATIONS, SECTION A711-7.

EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTORS ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

NOTES:

1. CONSTRUCTION MATERIALS QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENACE FDOT ENGINEER'S OFFICE (352) 797-5700 TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS ARE REQUIRED FOR WORKING WITHIN THE DEPARTEMENT'S RIGHT-OF-WAY.
3. THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT VERSION) AND DESIGN STANDARDS BOOKLET (CURRENT VERSION).

   APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1/1/15 FOR DESIGN STANDARDS MODIFICATIONS, CLICK ON "DESIGN STANDARDS" AT THE FOLLOWING WEB SITE: http://www.dot.state.fl.us/rddesign/
4. CONCRETE CURB & GUTTER NEEDS TO BE SAWCUT AND REMOVED AT THE NEAREST JOINT.

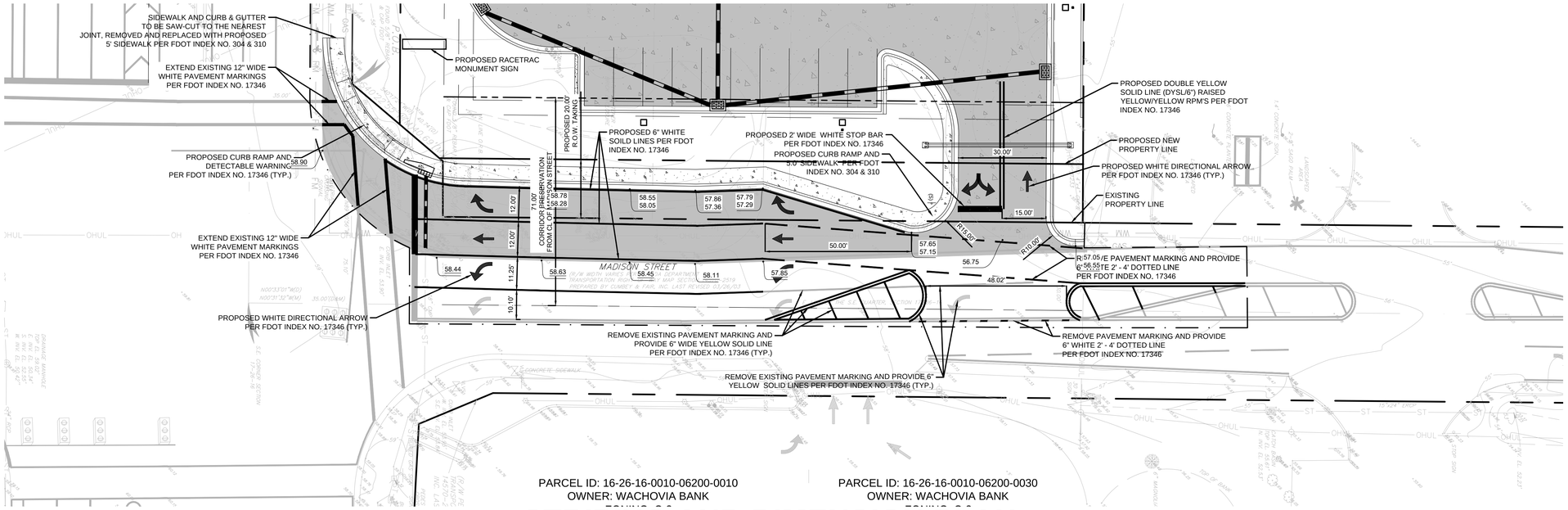
ATTENTION

1. TRUNCATED DOMES FOR SIDEWALK ARE REQUIRED PER FDOT INDEX NO. 304;
EXPANDED MESH STAMPING IS NO LONGER ACCEPTABLE BY FDOT. ALL TRUNCATED DOMES WITHIN THE RIGHT OF WAY SHALL BE ON THE QUALIFIED PRODUCT LIST.

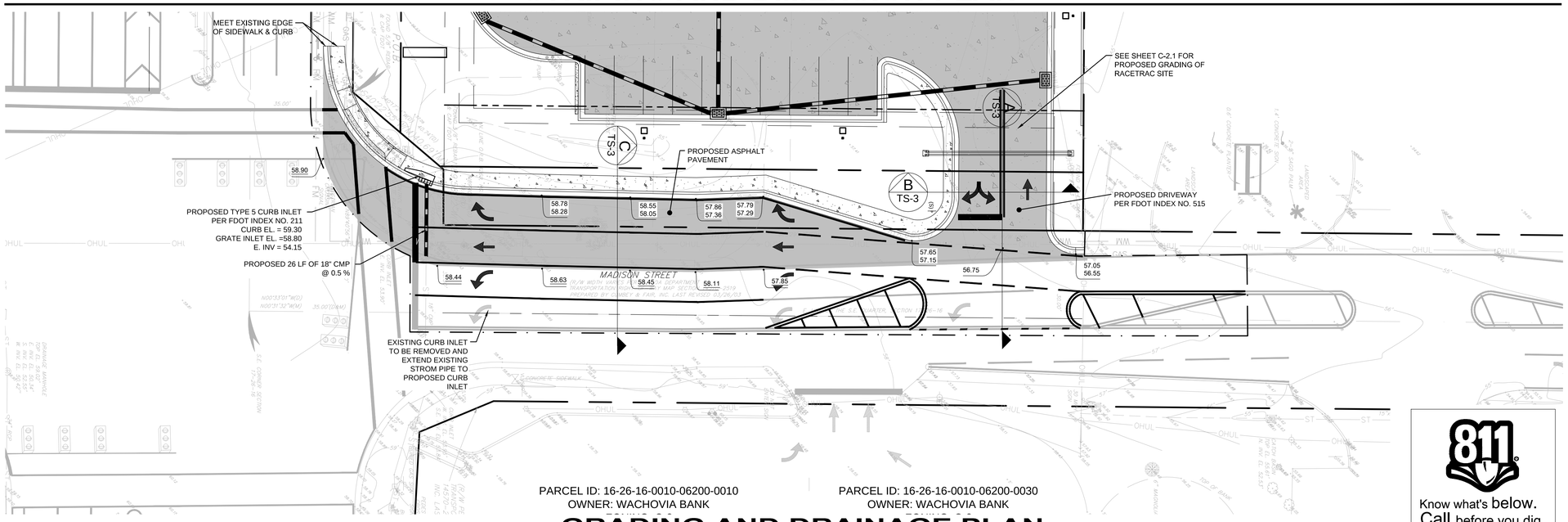
2. ALL EXISTING UTILITIES TO BE PROTECTED PER FDOT INDEX NO. 102

3. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO ANY CONSTRUCTION BEING PERFORMED IN FDOT RIGHT-OF-WAY.

4. ALL DISTURBED AREAS IN FDOT RIGHT-OF-WAY SHALL BE SODDED.



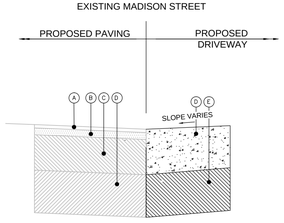
STRIPING AND DIMENSION PLAN



GRADING AND DRAINAGE PLAN

Know what's below. Call before you dig.

FOR MADISON ST. R/W USE:



TYPICAL SECTION
MADISON STREET
(POSTED SPEED 35 MPH)
N.T.S.

LEGEND (FOR MADISON ST. R/W USE):

- (A) 1 1/2" FC-9.5 FRICTION COURSE (RUBBER) (160 lb/sy)
- (B) 3" SP STRUCTURAL COARSE (300 lb/sy) (TRAFFIC LEVEL C)
- (C) 10" LIMEROCK BASE COARSE (LBR 100) COMPACTED TO MINIMUM DENSITY OF 98% OF MODIFIED MAXIMUM DENSITY (AASHTO T-180)
- (D) 12" STABILIZED SUBGRADE TYPE B (LBR 40) AND COMPACTED TO MINIMUM DENSITY OF 98% MODIFIED MAXIMUM DENSITY
- (E) PROPOSED 6" THICK 3,500 PSI CLASS I CONCRETE

PROPOSED LEGEND

- PROPERTY LINE
- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- (S) STOP SIGN (R1-1)
- (R) RIGHT TURN ONLY (FTP-52-06)
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE
- PROPOSED CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT PLAN SHEET C-1.3
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF MADISON STREET PRESERVATION CORRIDOR
- SIGHT VIEW TRIANGLE AREA
- PROPOSED LIGHT POLES
- 54 CONTOUR
- 57.77 MEET EXISTING GRADE (±)
- 58.23 TOP OF CURB
- 57.77 TOP OF PAVEMENT

NORTH

10' 0' 20' 40' 60'
GRAPHIC SCALE IN FEET

NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH, P.E.
FL P.E. #58995

SYCAMORE ENGINEERING, INC.
8370 W. Hillsborough Ave., Suite 205
Tampa, FL 33615
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THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS: ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RaceTrac®
RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

MADISON STREET R.O.W. IMPROVEMENTS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME:	R0907 TS-1 MADISON ST IMP.dwg
TS-1	
SHEET NO.	VERSION

THE DESIGN AND IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS PROPERTY OF SYCAMORE ENGINEERING, INC. IT CAN NOT BE USED OR COPIED FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION FROM SYCAMORE ENGINEERING, INC. DIMENSIONS SHOULD NOT BE OBTAINED BY USING SCALING OF THE PLAN. DIMENSIONS CAN BE OBTAINED BY CONTACTING SYCAMORE ENGINEERING, INC. DIRECTLY © 2015

TRAFFIC CONTROL NOTES

1. THE MAINTENANCE OF TRAFFIC FOR MINOR IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT VERSION) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT VERSION).
2. ADVANCE WARNING SIGNS SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS AND SHALL REMAIN THROUGHOUT CONSTRUCTION PERIOD. (SEE TYPICAL ADVANCE WARNING SIGNS FOR DETAILS)
3. SEE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX 600 SERIES FOR ADDITIONAL INFORMATION AND TYPICAL CONSTRUCTION SIGNING WITHIN LIMITS OF WORK ZONE.
4. MAINTAIN EXISTING TRAFFIC LANES ON INTERSECTING STREETS DURING PERIODS OF BOTH ACTIVE AND INACTIVE WORK ZONE. UTILIZE FDOT STANDARD INDEX 600 SERIES FOR TRAFFIC CONTROL.
5. ARROW DENOTES DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.
6. MAINTENANCE OF TRAFFIC SIGNING LOCATIONS ARE APPROXIMATE AND MAY BE VARIED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID ANY CONFLICTS. MINIMUM SIGNING DISTANCES SHALL BE MAINTAINED DURING CONSTRUCTION.
7. EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION SIGNS SHALL BE REMOVED OR COVERED DURING CONSTRUCTION.
8. CONFLICTING MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED.
9. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND UPON COMPLETION OF THE PROJECT.
10. THE CONTRACTOR SHALL COMPLY WITH THE DROP OFF CRITERIA DURING CONSTRUCTION IN ACCORDANCE WITH INDEX 600.
11. EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
12. COST OF DRIVEWAY MAINTENANCE SHALL BE INCLUDED IN THE LUMP SUM MAINTENANCE OF TRAFFIC PAY ITEM.
13. THE TRAFFIC AND TRAVEL WAY SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK AREA UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
14. THE CONTRACTOR, AT HIS OWN EXPENSE, MAY PREPARE AN ALTERNATE TRAFFIC CONTROL PLAN AND SUBMIT TO THE ENGINEER AND PASCO COUNTY FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
15. NO LANE CLOSURE IS PERMITTED BETWEEN HOURS OF 5:00 AM AND 9:00 PM UNLESS PRIOR APPROVAL IS OBTAINED FROM FDOT AND PASCO COUNTY.
16. CONTRACTOR'S LIABILITY INSURANCE AND 48 HOUR START CONSTRUCTION NOTIFICATION IS REQUIRED BEFORE CONSTRUCTION BEGINS. NO CONSTRUCTION OR OTHER ACCESS TO THIS PROJECT VIA THE FDOT RIGHT OF WAY IS ALLOWED UNTIL A PERMIT IS ISSUED.

R.O.W. STRIPING NOTES

1. ALL MARKINGS ARE TO CONFORM TO THE MOST CURRENT ISSUE OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT VERSION) ALONG WITH THE MOST CURRENT ISSUE OF FLORIDA ROADWAY AND TRAFFIC DESIGN STANDARD HANDBOOKS (CURRENT VERSION).
2. ALL PAVEMENT STRIPING AND MARKINGS ARE TO BE THERMOPLASTIC WITH RAISED PAVEMENT MARKERS WHERE APPLICABLE TO MEET FDOT STANDARDS AND SPECIFICATIONS AS APPROPRIATE.
3. ARROW SPACING TO CONFORM WITH FDOT INDEX NO. 17346.
4. TEMPORARY TAPE TO BE INSTALLED PRIOR TO DARKNESS ON DAY OF EXISTING MARKINGS REMOVAL. NO CONFLICTING MARKINGS PERMITTED.
5. THE SIGNING AND STRIPING DETAILS SHOW ON THESE PLANS PROVIDE GENERAL GUIDELINES ONLY. THE CONTRACTOR WILL FOLLOW THE CURRENT VERSIONS OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (R.T.D.S.) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) FOR ADDITIONAL DETAILS.
6. A 14 DAY PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS.
7. THE PHYSICAL CONSTRUCTION OF ALL SIGNS, PAVEMENT MARKINGS, DELINEATORS, ETC., ARE TO BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS AS APPROPRIATE.
8. EXISTING SIGNS TO BE RELOCATED AND/OR REMOVED PER FDOT SPECIFICATIONS.
9. REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ACCORDING TO THE F.D.O.T.R.T.D.S. (CURRENT VERSION). THE FOLLOWING FDOT INDEX NO. IS APPLICABLE : 17352.
10. CONTRACTOR IS TO PROVIDE FLAGMEN, AND OTHER TRAFFIC CONTROL MEASURES NECESSARY TO PROTECT AND FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION.
11. THE LOCATIONS OF ALL SIGNS, STRIPING, AND PAVEMENT MARKINGS ARE TO BE DELINEATED BY THE CONTRACTOR BY STAKING AND APPLICATIONS OF A LIGHT COAT OF TEMPORARY PAINT FOR FINAL APPROVAL BY THE PROJECT ENGINEER AND PASCO COUNTY AS APPROPRIATE PRIOR TO FINAL CONSTRUCTION.
12. EXISTING STRIPING DESIGNATED FOR REMOVAL SHALL BE MILLED AND RESURFACED IN ACCORDANCE WITH FDOT REQUIREMENTS AND SPECIFICATIONS, SECTION A711-7.

EROSION AND SEDIMENTATION CONTROL NOTES

MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES OR THE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT IS THE CONTRACTORS ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORM WATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE JURISDICTIONAL AUTHORITIES.

NOTES:

1. CONSTRUCTION MATERIALS QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENACE FDOT ENGINEER'S OFFICE (352) 797-5700 TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS ARE REQUIRED FOR WORKING WITHIN THE DEPARTEMENT'S RIGHT-OF-WAY.
3. THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT VERSION) AND DESIGN STANDARDS BOOKLET (CURRENT VERSION).

   APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1/1/15 FOR DESIGN STANDARDS MODIFICATIONS, CLICK ON "DESIGN STANDARDS" AT THE FOLLOWING WEB SITE: http://www.dot.state.fl.us/rddesign/
4. CONCRETE CURB & GUTTER NEEDS TO BE SAWCUT AND REMOVED AT THE NEAREST JOINT.

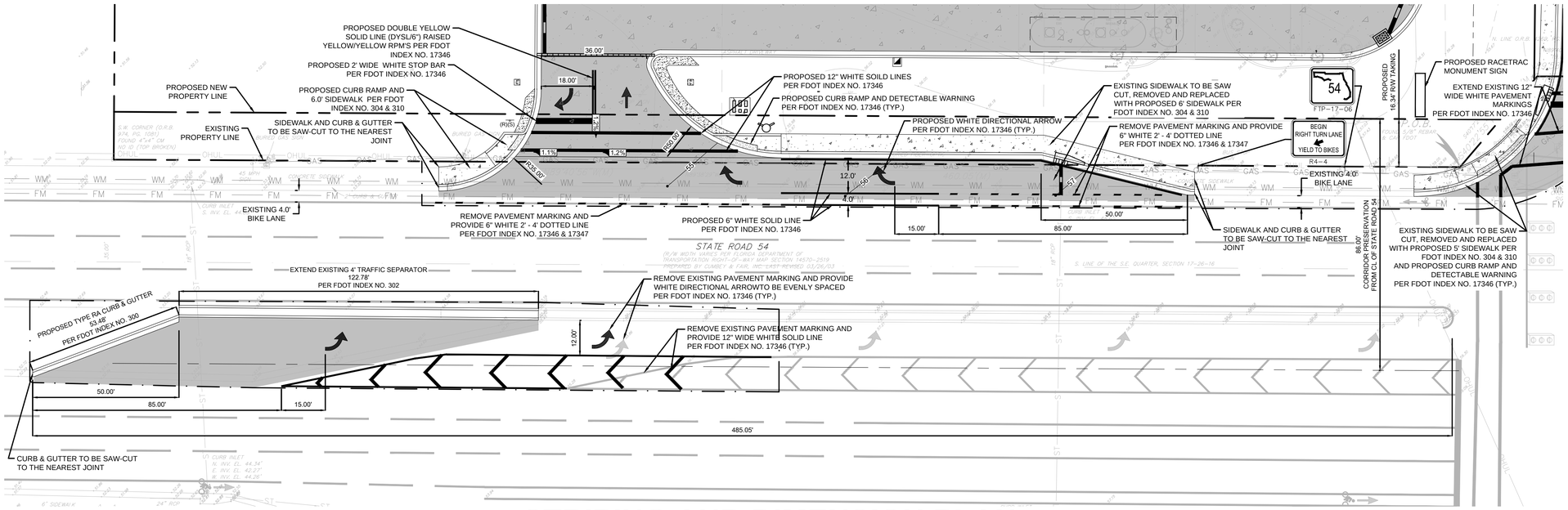
ATTENTION

1. TRUNCATED DOMES FOR SIDEWALK ARE REQUIRED PER FDOT INDEX NO. 304; EXPANDED MESH STAMPING IS NO LONGER ACCEPTABLE BY FDOT. ALL TRUNCATED DOMES WITHIN THE RIGHT OF WAY SHALL BE ON THE QUALIFIED PRODUCT LIST.

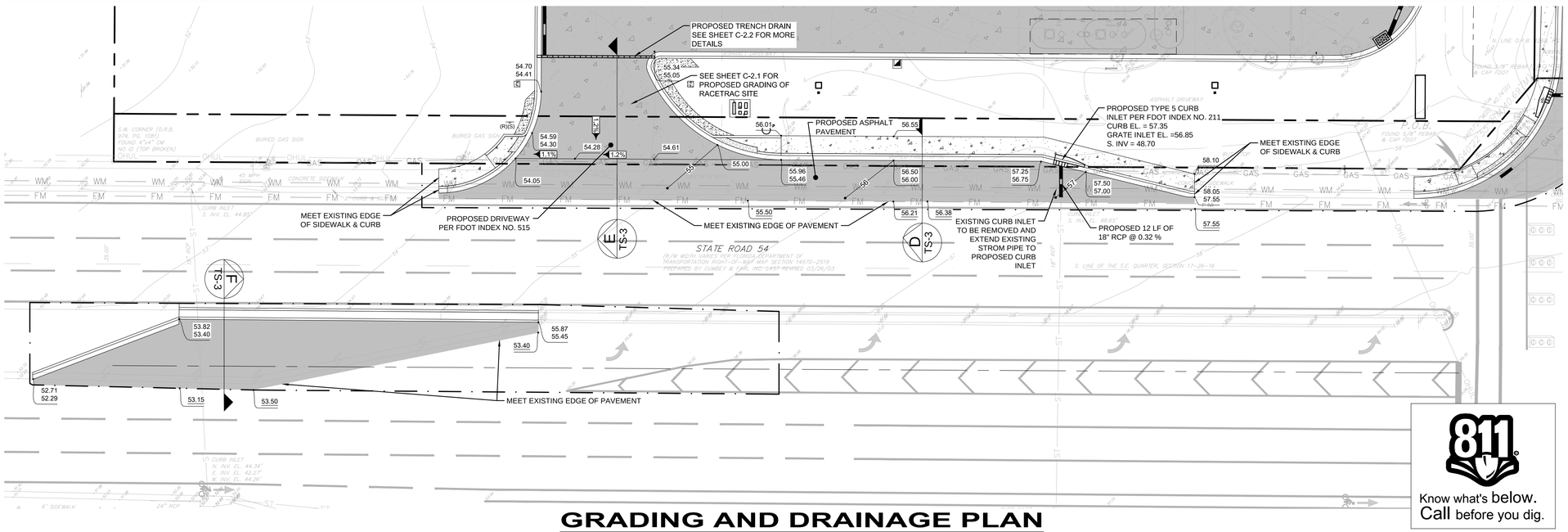
2. ALL EXISTING UTILITIES TO BE PROTECTED PER FDOT INDEX NO. 102

3. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO ANY CONSTRUCTION BEING PERFORMED IN FDOT RIGHT-OF-WAY.

4. ALL DISTURBED AREAS IN FDOT RIGHT-OF-WAY SHALL BE SODDED.



STRIPING AND DIMENSION PLAN

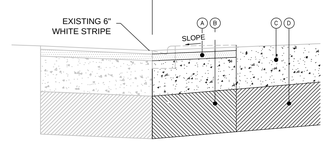


GRADING AND DRAINAGE PLAN

FOR FDOT R/W USE:

EXISTING S.R. 54

EXISTING PAVEMENT TO REMAIN	PROPOSED DRIVEWAY



TYPICAL SECTION
S.R. 54
(POSTED SPEED 45 MPH)
N.T.S.

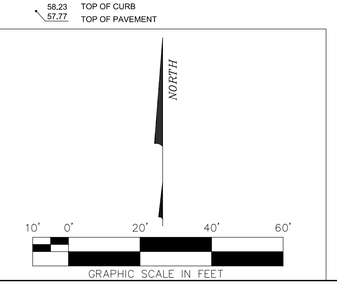
LEGEND (FOR FDOT R/W USE):

- (A) PROPOSED 1.5" XX
- (B) 12" STABILIZED SUBGRADE TYPE B (LBR 40) AND COMPACTED TO MINIMUM DENSITY OF 98% MODIFIED MAXIMUM DENSITY
- (C) PROPOSED 6" THICK 3,500 PSI CLASS I CONCRETE
- (D) 12" STABILIZED SUBGRADE TYPE B (LBR 40) AND COMPACTED TO MINIMUM DENSITY OF 98% MODIFIED MAXIMUM DENSITY

PROPOSED LEGEND

- PROPERTY LINE
- LIMITS OF CONSTRUCITON
- PRESERVATION CORRIDOR
- CENTERLINE OF R.O.W.
- (S) STOP SIGN (R1-1)
- (R) RIGHT TURN ONLY (FTP-52-06)
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN TURN LANE
- PROPOSED CONCRETE PAVEMENT WITHIN RACETRAC SITE. SEE PAVEMENT PLAN SHEET C-1.3
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF MADISON STREET PRESERVATION CORRIDOR
- SIGHT VIEW TRIANGLE AREA
- PROPOSED LIGHT POLES
- 54 CONTOUR
- 57.77 MEET EXISTING GRADE (±)
- 58.23 TOP OF CURB
- 57.77 TOP OF PAVEMENT

Know what's below. Call before you dig.



NO.	REVISIONS	BY	DATE

J.D. ALSABBAGH P.E.
FL P.E. #58995

SYCAMORE ENGINEERING, INC.
8370 W. Hillsborough Ave., Suite 205
Tampa, FL 33615
Fax: 813.889.0788
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RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

S.R. 54 IMPROVEMENTS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 TS-2 SR 54 IMP.dwg	
TS-2	
SHEET NO.	VERSION

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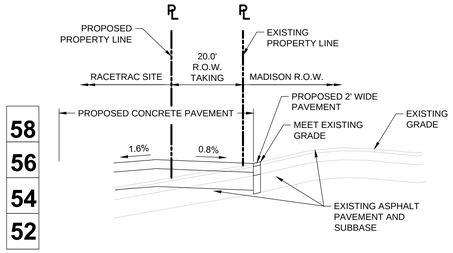
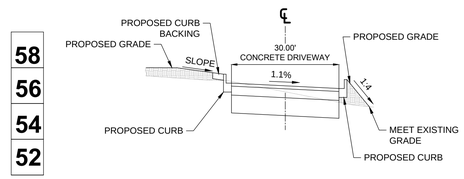
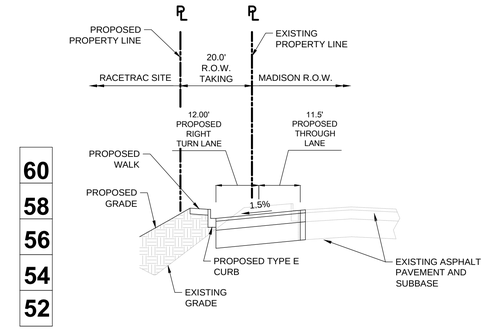


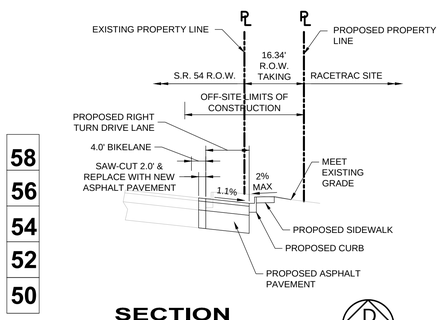
SECTION A / TS-1
SCALE: HORIZ. 1"=20'
VERT. 1"=4'



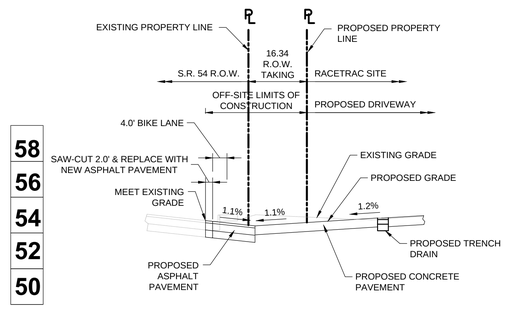
SECTION B / TS-1
SCALE: HORIZ. 1"=20'
VERT. 1"=4'



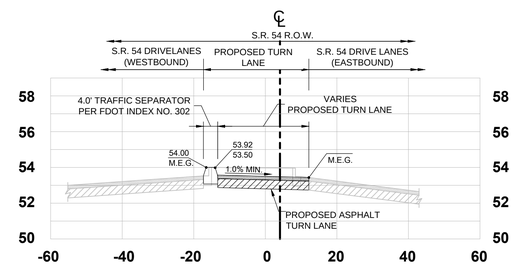
SECTION C / TS-1
SCALE: HORIZ. 1"=20'
VERT. 1"=4'



SECTION D / TS-2
SCALE: HORIZ. 1"=20'
VERT. 1"=4'



SECTION E / TS-2
SCALE: HORIZ. 1"=20'
VERT. 1"=4'



SECTION F / TS-2
SCALE: HORIZ. 1"=20'
VERT. 1"=4'

NOTES:

1. CONSTRUCTION MATERIALS QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENACE FDOT ENGINEER'S OFFICE (352) 797-5700 TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS ARE REQUIRED FOR WORKING WITHIN THE DEPARTEMENT'S RIGHT-OF-WAY.
3. THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT VERSION) AND DESIGN STANDARDS BOOKLET (CURRENT VERSION).

   APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1/1/15 FOR DESIGN STANDARDS MODIFICATIONS, CLICK ON "DESIGN STANDARDS" AT THE FOLLOWING WEB SITE: http://www.dot.state.fl.us/rddesign/
4. CONCRETE CURB & GUTTER NEEDS TO BE SAWCUT AND REMOVED AT THE NEAREST JOINT.

ATTENTION

1. TRUNCATED DOMES FOR SIDEWALK ARE REQUIRED PER FDOT INDEX NO. 304; EXPANDED MESH STAMPING IS NO LONGER ACCEPTABLE BY FDOT. ALL TRUNCATED DOMES WITHIN THE RIGHT OF WAY SHALL BE ON THE QUALIFIED PRODUCT LIST.

2. ALL EXISTING UTILITIES TO BE PROTECTED PER FDOT INDEX NO. 102

3. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO ANY CONSTRUCTION BEING PERFORMED IN FDOT RIGHT-OF-WAY.

4. ALL DISTURBED AREAS IN FDOT RIGHT-OF-WAY SHALL BE SODDED.

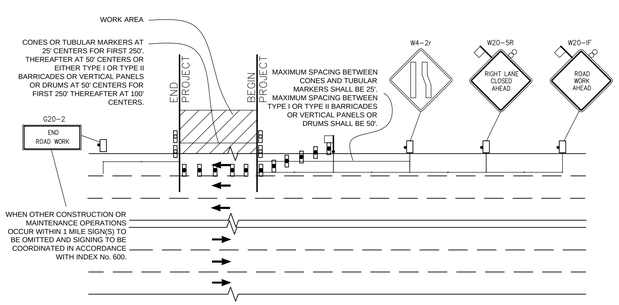
STATE ROAD 54

MAINTENANCE OF TRAFFIC PLAN & NOTES:

DIRECTION OF TRAFFIC
ROAD WORK SIGN
SIGN WITH 18"x18" (MIN.) ORANGE FLAG & TYPE B LIGHT
FLAGGER

CONSTRUCTION SEQUENCE:

1. PLACE ALL ADVANCE WARNING SIGNS ALONG THE NORTH LANE OF S.R. 54.
2. PLACE TYPE II BARRICADES, VERTICAL PANELS OR DRUMS ALONG THE NORTH EDGE OF THE EXISTING PAVEMENT.
3. MAINTAIN TRAFFIC ALONG THE MAINLINE AND SIDE STREET UTILIZING THE EXISTING PAVEMENT.



STANDARD TYPICAL ADVANCE WARNING SIGNS MAINLINE

AS PER FDOT INDEX NO. 623 (MULTILANE, TWO-WAY URBAN DIVIDED OR UNDIVIDED, DAY OR NIGHT OPERATIONS)
FDOT INDEX 660 PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALK

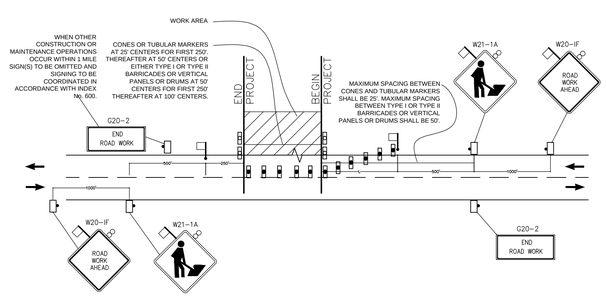
MADISON STREET

MAINTENANCE OF TRAFFIC PLAN & NOTES:

DIRECTION OF TRAFFIC
ROAD WORK SIGN
SIGN WITH 18"x18" (MIN.) ORANGE FLAG & TYPE B LIGHT
FLAGGER

CONSTRUCTION SEQUENCE:

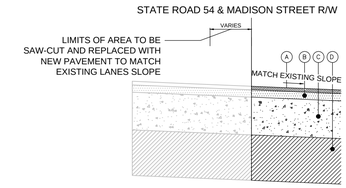
1. PLACE ALL ADVANCE WARNING SIGNS ALONG THE WEST LANE OF MADISON STREET.
2. PLACE TYPE II BARRICADES, VERTICAL PANELS OR DRUMS ALONG THE WEST EDGE OF THE EXISTING PAVEMENT.
3. MAINTAIN TRAFFIC ALONG THE MAINLINE AND SIDE STREET UTILIZING THE EXISTING PAVEMENT.



STANDARD TYPICAL ADVANCE WARNING SIGNS MAINLINE

AS PER FDOT INDEX NO. 602 AND INDEX NO. 603 (TWO LANE, TWO WAY, RURAL, DAY OR NIGHT OPERATIONS)

STATE ROAD 54 & MADISON STREET R/W



TYPICAL SECTION

STATE ROAD 54 (POSTED SPEED 45 MPH)
MADISON STREET (POAST SPEED 35 MPH)
N.T.S.

LEGEND (FOR R/W USE):

- (A) 1 1/2" FC-9.5 FRICTION COURSE (RUBBER) (160 lb/sy)
- (B) 3" SP STRUCTURAL COARSE (300 lb/sy) (TRAFFIC LEVEL C)
- (C) 10" LIMEROCK BASE COARSE (LBR 100) COMPACTED TO MINIMUM DENSITY OF 98% OF MODIFIED MAXIMUM DENSITY (AASHTO T-180)
- (D) 12" STABILIZED SUBGRADE TYPE B (LBR 40) AND COMPACTED TO MINIMUM DENSITY OF 98% MODIFIED MAXIMUM DENSITY

811 Know what's below. Call before you dig.

NO.	REVISIONS	BY	DATE

J.D. ALSABAGH, P.E.
FL P.E. #58995

SYCAMORE ENGINEERING, INC.
8370 W. Hillsborough Ave., Suite 205
Tampa, FL 33615
Fax: 813.889.0788
Phone: 813.889.0700 email: greatteam@sycamoreeng.com

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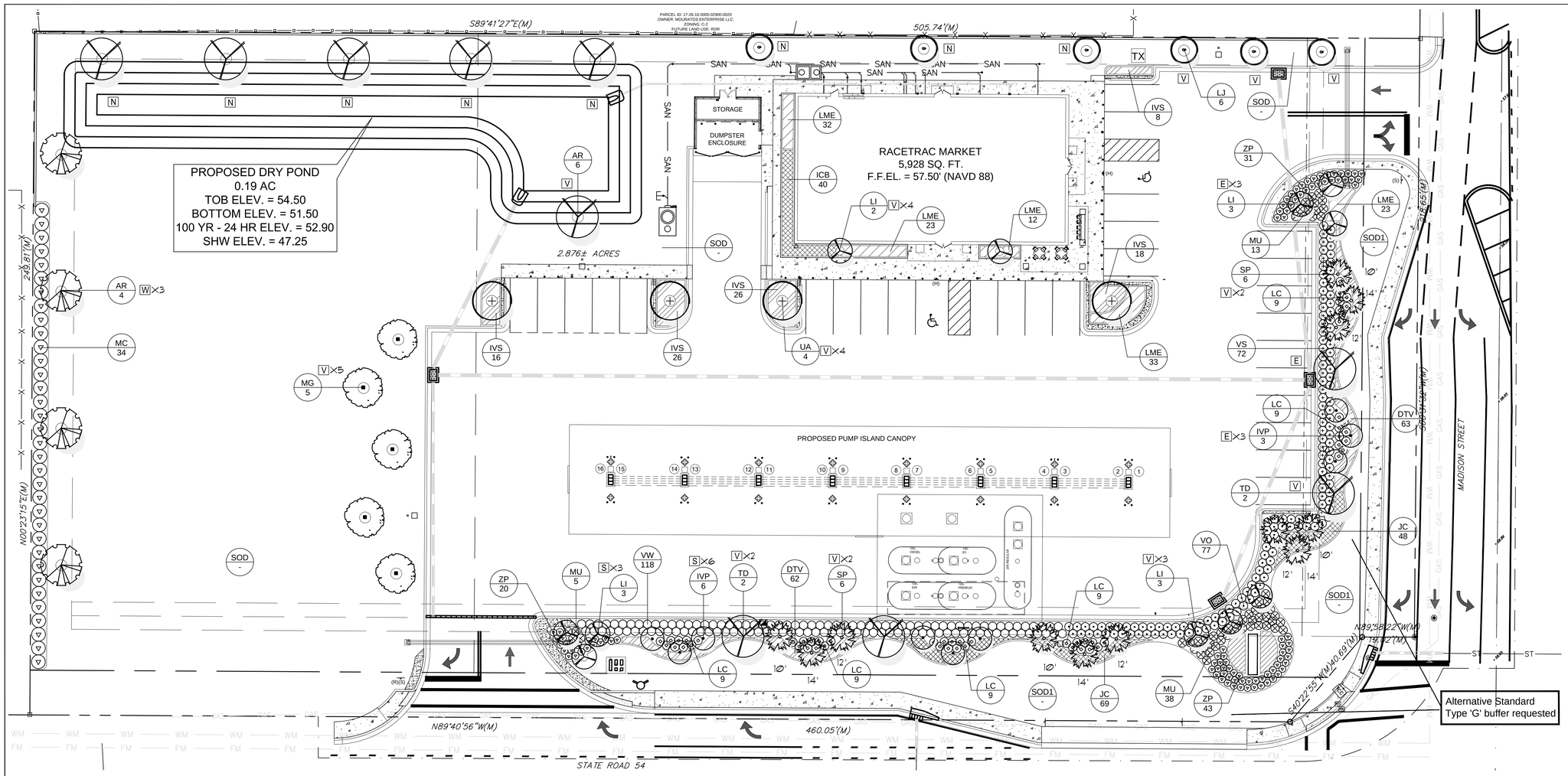
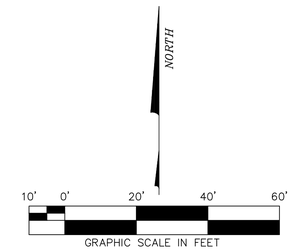
RaceTrac®
RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

DRIVEWAY CROSS-SECTIONS
RACETRAC MARKET #1151
State Road 54 @ Madison Street
New Port Richey, FLorida
Pasco County

DRAWN-BY	LD
DATE	07/03/15
SCALE	1" = 20'
DRAWING NAME: R0907 TS-2 SR 54 IMP.dwg	
TS-3	
SHEET NO.	VERSION



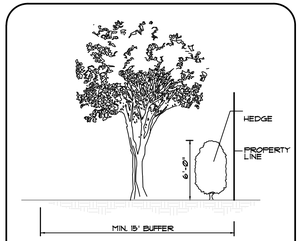


CALL 48 HOURS BEFORE YOU DIG
It's the Law!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

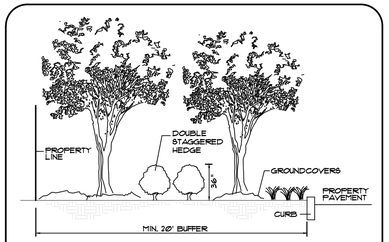
REQUIRED TREE LEGEND

(label indicates how each tree satisfies the code requirement)

S	South buffer requirement along S.R. 56 (Qty: 9)
E	East buffer requirement along Madison St. (Qty: 7)
W	West buffer requirement (Qty: 4)
N	North buffer requirement (Qty: 8)
V	Vehicular use area tree requirement. (Qty: 22)
B	Building perimeter tree requirement. (Qty: 2)



TYPE B BUFFER CROSS-SECTION
NOT TO SCALE



ALTERNATE TYPE G BUFFER CROSS-SECTION
NOT TO SCALE

GENERAL LANDSCAPE NOTES:

1. All landscape material shall be fla. no. 1 grade or better, as specified in grades and standards for nursery plants, parts I and II, by Division of Plant Industry, Florida Department of Agriculture and Consumer Services, and shall conform to current American Association of Nurseryman Standards for Nursery Stock. Landscape material shall be planted according to sound nursery practices.
2. All required shrubs shall be a minimum of 18" high (dwarf variety 14") at the time of planting with the ability to reach a min. of 24" within (1) year of planting and spaced a distance appropriate to the species to create a continuous appearance within (1) year of planting (max. 36" o.c. unless demonstrated otherwise). Shrubs shall not adversely impact existing tree root systems and shall be field adjusted if necessary.
3. All required shade trees shall be a minimum of 6' overall height with a min. 2" trunk caliper at time of planting. Adjust tree locations as necessary to avoid utilities, obstructions, etc. see materials list for exact specifications.
4. All required multiple trunk trees shall have at least (3) trunks and be a minimum of 6' overall height with a min. 3" trunk caliper at time of planting. Adjust tree locations as necessary to avoid utilities, obstructions, etc. see materials list for exact specifications
5. All required trees shall be located a minimum of 5 feet from impervious surfaces, all shrubs 2 feet.
6. An automatic underground irrigation system shall be installed to maintain the landscape area in a healthy manner and provide 100% coverage.
7. The contractor shall sod all disturbed areas. All planting shall be mulched to a 3" minimum depth.
8. The contractor shall be responsible for the clean up of premises and removal of all discarded and surplus materials, and rubbish.
9. Verify the locations of existing trees, lawns, and shrubs. Remove extraneous materials such as rocks, branches, building materials or unacceptable soils prior to planting sod, trees, and shrubs, where encountered.
10. Contractor shall become acquainted with the related paving, site grading , and all utilities (including water, sewer, and electrical supply) to preclude any misunderstandings and ensure a trouble free installation.
11. The exact location of all existing structures, underground utilities, and pipes may not be as indicated on drawings; the contractor shall determine the location of these items and shall conduct his work in a manner to prevent interruption or damage to existing systems which must remain operational. The contractor shall protect existing structures and utility services which must remain operational and shall be responsible for their replacement if damaged by him.
12. Contractor shall call Sunshine State One-Call at least 48 hours prior to digging. (1-800-432-4770).
13. Quantities on plan take precedence over materials list. Quantities on materials list are provided as a courtesy only.
14. All landscape material shall be maintained in perpetuity to provided all required FDOT and local site clearance distances for vehicles.

LANDSCAPE REQUIREMENTS

Per Pasco County code (Chapter 900, Section 905),

LANDSCAPE DATA

LANDSCAPE BUFFER REQUIREMENT -
(Alternative Standard Type 'G' buffer)

20' wide buffer with groundcover and shrubs planted in staggered double rows provided between vua and r.o.w

Shade trees shall be planted in staggered double rows with in maximum spacing of 30 lf on center

S.R. 54 -
275' / 30 = (9) req'd; (9) trees provided

Madison St. -
205' / 30 = (7) req'd: (7) trees provided

LANDSCAPE BUFFER REQUIREMENT - (Type B buffer)
15' wide buffer

West -
(1) tree / 60 lf and a 6' ht hedge at 5' on center
250' / 60 = (4) trees req'd; (4) trees prov'd

North -
(1) tree / 60 lf and a 6' ht hedge at 5' on center
506' / 60 = (8) trees req'd; (8) trees prov'd

VUA LANDSCAPE REQUIREMENTS -
10% of vua shall be landscape
(1) tree /200 sf of req'd landscape areas
46,080 sf x .10 = 4,608 req'd
4,608 / 200 = (23) trees req'd;
(-) trees and (-) palms provided

A min. (1) shade tree with shrubs / groundcover per each landscape island

A max. 30% of req'd landscape area may be grassed
4,608 x .70 = 3,226 sf req'd

BUILDING PERIMETER LANDSCAPE REQUIREMENT -
10% of building sf
5' wide landscape area adjacent to building
50% lf of building shall be landscape =
310 /2 = 155 lf req'd

Landscape areas shall contain trees, shrubs and groundcovers
5,928 x .10 = 593 sf req'd
(2) trees provided

TREE SPECIES REQUIREMENT -
(1) specie for every (5) required trees
up to 8 species when 40 or more trees are required
total required trees = (55)
(8) species req'd

NATIVE SPECIES REQUIREMENT -
A min. 30% of total shrubs and groundcovers shall be native species
Total shrubs and groundcovers used
= 991 x 30% = (297) native species req'd
(394) provided

SHRUB AND GROUNDCOVER SPECIES REQUIREMENT -
No one species shall be greater than 25% of total provided

Total shrubs used = 489 x 25% = 122 max

Total groundcovers used = 502 x 25% = 125 max

ADDITIONAL NOTES -
Areas not planted with trees, shrubs, or groundcovers shall be sodded with bahia sod.

Contractor shall install new irrigation system to provide 100% coverage to all landscape areas.

LANDSCAPE MATERIALS LIST

SHADE TREES — Different species each 5 trees

(UP TO 8 SPECIES MIN. WITH 40 TREES)

Symbol	No	Scientific Name	Common Name	Size Requirements	Native Florida	Drought Tolerant
AR	4	Acer rubrum 'Florida Flame'	Florida Flame Red Maple	B/B, min. 10' oah X 4' spr, 2" caliper	YES	YES
IVP	9	Ilex vomitoria 'Pendula'	Weeping Yaupon Holly	B/B, min. 8' oah X 3' spr, 2" caliper	YES	YES
LJ	6	Ligustrum japonicum	Tree Ligustrum	B/B, min. 8' oah X 8' spr, multi-trunk	NO	YES
LI	11	Lagerstroemia indica 'Natchez'	Crape Myrtle	B/B, min. 9' oah X 4' spr, 2" caliper, std.	NO	YES
MG	5	Magnolia grandiflora	Bracken's Brown Beauty Magnolia	B/B, min. 8' oah X 4' spr, 2" caliper	YES	YES
SP	12	Sabal palmetto	Sabal Palm	B/B, min. 10' - 18' clear-trunk hts. as list, tied fronds	YES	YES
TD	10	Taxodium distichum	Bald Cypress	B/B, min. 9' oah X 3' spr, 2" caliper	YES	YES
UA	4	Ulmus alata	Winged Elm	B/B, min. 10' oah X 4' spr, 2" caliper	YES	YES

Palms may be substituted, 3 palms for 1 shade tree, max. 30% Clusters of 3' – 8' on center

SHRUBS — MAX 25% EACH SPECIES BY QUANTITY

(= MIN. 4 SPECIES)

Symbol	No	Scientific Name	Common Name	Size Requirements	Native Florida	Drought Tolerant
ICB	40	Ilex cornuta 'Dwarf Burford'	Dwarf Burford Holly	min. 3 gallon, min. 14" ht. 30" o.c.	NO	YES
IVS	94	Ilex vomitoria 'Schillings'	Schillings Holly	min. 3 gallon, min. 14" ht. 30" o.c.	YES	YES
LC	54	Loropetalum chinense	Loropetalum	min. 3 gallon, min. 14" ht., 36" o.c.	NO	YES
MC	34	Myrica cerifera	Wax Myrtle	min. 15 gallon, min. 6' ht. @ 60" o.c.	YES	YES
VO	77	Viburnum odoratissimum	Sweet Viburnum	min. 7 gallon, min. 36" ht, 36" o.c.	NO	YES
VS	72	Viburnum suspensum	Sandankwa Viburnum	min. 7 gallon, min. 36" ht., 36" o.c.	NO	YES
VW	118	Viburnum obovatum	Walter's Viburnum	min. 7 gallon, min. 36" ht., 36" o.c.	YES	YES

Max. 30% of required landscaped area may be grassed

GROUNDCOVER — MAX 25% EACH SPECIES BY QUANTITY

(= MIN. 4 SPECIES)

Symbol	No	Scientific Name	Common Name	Size Requirements	Native Florida	Drought Tolerant
DTV	125	Dianella tasmanica	Variegated Flax Lily	min. 1 gallon, @ 24" o.c.	NO	YES
JC	117	Juniperus chinensis 'Parsonii'	Parson's Juniper	min. 1 gallon, @ 24" o.c.	NO	YES
LME	111	Liriope muscari 'Emerald Goddess'	Emerald Goddess Liriope	min. 1 gallon, @ 24" o.c.	NO	YES
MU	56	Muhlenbergia capillaris	Muhly Grass	min. 1 gallon, @ 36" o.c.	YES	YES
ZP	93	Zamia pumila	Coontie Palm	min. 1 gallon, @ 30" o.c.	YES	YES
Seed	-	Paspalum notatum	Bahia Sod	Sq Ft, FDOT type mix; for pond bottom. (confirm with civil engineering plans and client prior to installation)		
Sod1	-	Cynodon dactylon 'Celebration'	Bermuda 'Celebration' Sod	Sq Ft, Install in rolls		
Sod	-	Paspalum notatum	Bahia Sod	Sq Ft,		
MULCH			Enviro Mulch	Mulch to 3" depth; supplied by Florida Mulch Inc. (407) 891-8400		

Spaced to present finished appearance & obtain a reasonably complete coverage in one year
Max 30% of required landscaped area may be grassed - Note type and percent on plans

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PROJECT NAME : RACETRAC MARKET #1151

SHEET TITLE : LANDSCAPE PLAN (Alternate Standards)

PREPARED FOR : Racetrac Petroleum, Inc.

ADDRESS : SR 54 and Madison St. New Port Richey, FL

Revisions:

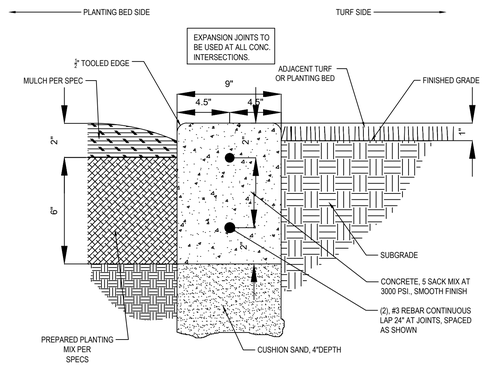
NO.	DATE :	DESCRIPTION :

PROJ. NO. : C068015K
DATE : 08-10-15
DRAWN : KC
DESIGNED :
CHECKED : JER

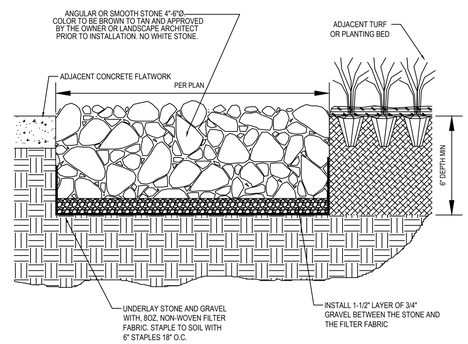
JASON E. RINARD, R.L.A.
REG NO FL LA 0001608
LANDSCAPE ARCHITECT

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

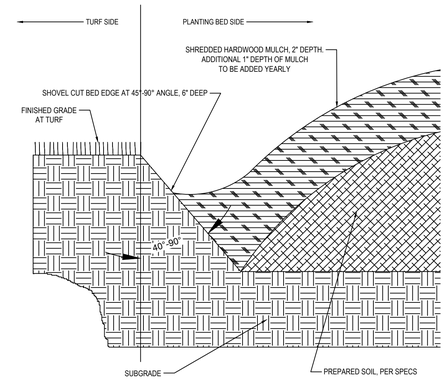
SHEET:
L-1.1



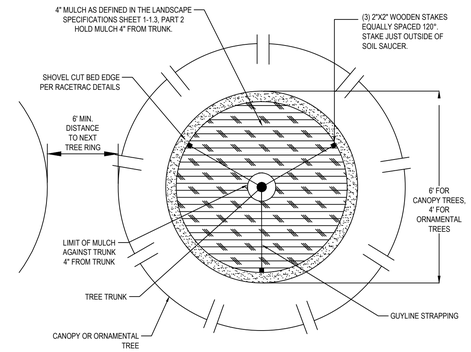
1 L1.2 REINFORCED CONCRETE BED EDGE (MOW STRIP)
NTS



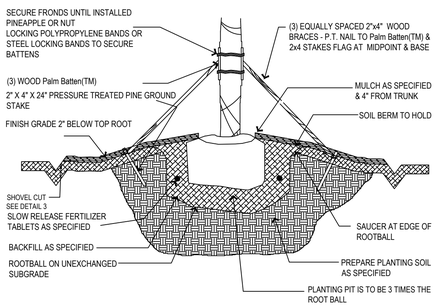
2 L1.2 SIGNATURE RIVER ROCK MULCH
NTS



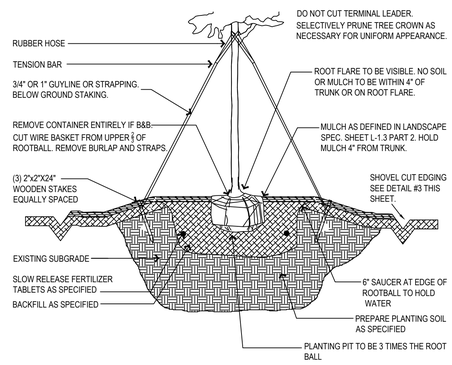
3 L1.2 SHOVEL CUT BED EDGE
NTS



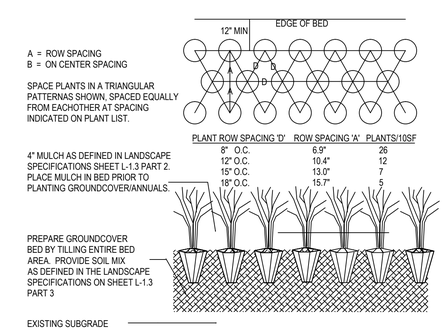
4 L1.2 MULCHING RING AT TREES
NTS



5 L1.2 STAKED PALM TREE
NTS

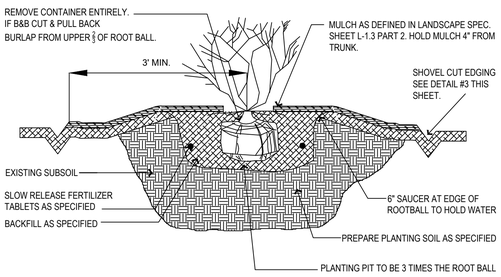


6 L1.2 STAKED TREE(GENERAL)
NTS

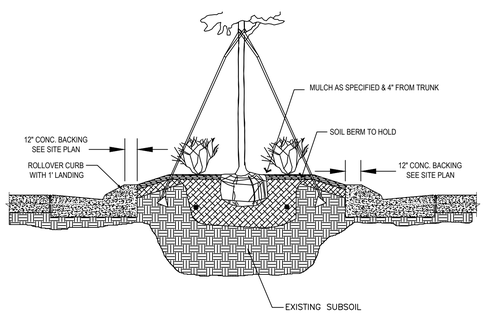


PLANT ROW SPACING 'D'	ROW SPACING 'A'	PLANTS/10SF
8" O.C.	6.9"	26
12" O.C.	10.4"	12
15" O.C.	13.0"	7
18" O.C.	15.7"	5

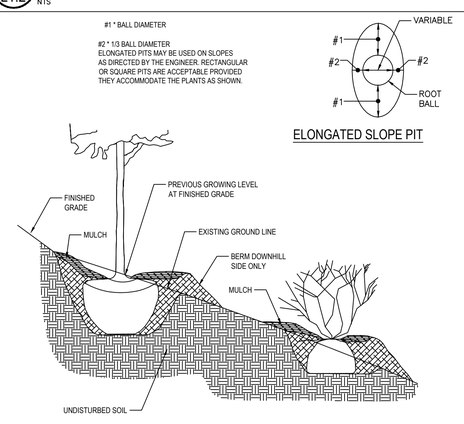
7 L1.2 GROUNDCOVER PLANTING
NTS



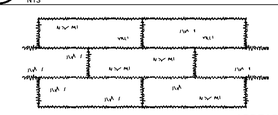
8 L1.2 SHRUB(GENERAL)
NTS



9 L1.2 LANDSCAPE ISLAND BED (TYP)
NTS

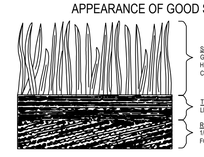


10 L1.2 PLANT PLACEMENT ON SLOPE
NTS



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

APPEARANCE OF GOOD SOD



SHOOTS - OR GRASS BLADES. GRASS SHOULD BE GREEN AND HEALTHY. MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH - GRASS CLIPPINGS AND DEAD LEAVES. UP TO 1/2" THICK.

ROOT ZONE - SOIL AND ROOTS SHOULD BE 1/2" - 3/4" THICK, WITH DENSE ROOT MAT FOR STRENGTH.

SOD PLANTING REQUIREMENTS

GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDA GRASS	COMMON TIFWAY TIFGREEN TIFLAWN	M-L,P,C P,C P,C P,C	WARM WEATHER
BAHIA GRASS	PENSACOLA	P,C	WARM WEATHER
CENTIPEDE	-	P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MYER	P,C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L,P	COOL WEATHER

FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (lbs/acre)	NITROGEN TOP DRESSING RATE (lbs/acre)
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30
WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

NOTE: NO ROLLED SOD IN FLORIDA

FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION

FERTILIZER TYPE	FERTILIZER RATE (lbs/acre)	FERTILIZER RATE (lbs/sq ft)	SEASON
10-10-10	1000	.025	FALL

11 L1.2 SOD
NTS

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PROJECT NAME : RACETRAC MARKET #1151

SHEET TITLE : LANDSCAPE DETAILS

PREPARED FOR : Racetrac Petroleum, Inc.

ADDRESS : SR 54 and Madison St. New Port Richey, FL

Revisions:

NO.	DATE :	DESCRIPTION :

PROJ. NO. : C068015K
DATE : 08-10-15
DRAWN : KC
DESIGNED :
CHECKED : JER

JASON E. RINARD, R.L.A.
REG NO. FL LA 0001608
LANDSCAPE ARCHITECT

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

SHEET:
L-1.2

PART 1 - GENERAL

DESCRIPTION

Provide trees, plants and ground covers as shown and specified. The work includes:

1. Soil preparation. (Topsoil to be provided by GC)
2. Trees, plants and ground covers.
3. Planting mixes.
4. Mulch and planting accessories.
5. Maintenance until final acceptance by RaceTrac Construction Manager

Related Work:

1. Irrigation System.

QUALITY ASSURANCE

Plant names indicated, comply with "Standardized Plant Names" as adopted by the latest edition of the American Joint Committee of Horticultural Nomenclature. Names of varieties not listed conform generally with names accepted by the nursery trade. Provide stock true to botanical name and legibly tagged.

Comply with sizing and grading standards of the latest edition of "American Standard for Nursery Stock". A plant shall be dimensioned as it stands in its natural position.

All plants shall be nursery grown under climatic conditions similar to those in the locality of the project for a minimum of 2 years.

Stock finished shall be at least the minimum size indicated. Larger stock is acceptable, at no additional cost, and providing that the larger plants will not be cut back to size indicated. Provide plants indicated by two measurements so that only a maximum of 25% are of the minimum size indicated and 75% are of the maximum size indicated.

Before submitting bid, the Contractor shall have investigated the sources of supply and satisfied himself that he can supply the listed plants in the size, variety and quality listed and specified. Failure to take this precaution will not relieve the Contractor from his responsibility for furnishing and installing all plant materials in strict accordance with the Contract Documents without additional cost to the Owner. Landscape Architect shall approve any substitutes of plant material or changes in plant material size prior to contractor submitting a bid.

SUBMITTALS

The Landscape Contractor shall submit the following materials certification:

1. Photographs of landscape material to be used or locations of nurseries for Landscape Architect to tag material.
2. Boulders and rock mulch samples on site and available for approval by Landscape Architect on first site visit during construction. Photographs of boulders and rock mulch may be offered as alternatives to samples on site.
3. Red Oak double shredded hardwood mulch sample on site for approval by Landscape Architect on first site visit during construction.
4. Routine soil test by approved laboratory and or state cooperative. Mix together a minimum of 5 soil cores per site for testing.
5. Upon plant material acceptance, submit written maintenance instructions recommending procedures for maintenance of plant materials.

Upon plant material acceptance, submit written maintenance instructions recommending procedures for maintenance of plant materials.

DELIVERY, STORAGE AND HANDLING

Deliver fertilizer materials in original, unopened, and undamaged containers showing weight, analysis, and name of manufacturer. Store in manner to prevent wetting and deterioration.

Take all precautions customary in good trade practice in preparing plants for moving. Workmanship that fails to meet the highest standards will be rejected. Spray deciduous plants in foliage with an approved "Anti-Desiccant" immediately after digging to prevent dehydration. Dig, pack, transport, and handle plants with care to ensure protection against injury. Inspection certificates required by law shall accompany each shipment invoice or order to stock. Protect all plants from drying out. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Landscape Architect. Water heeled-in plantings daily. No plant shall be bound with rope or wire in a manner that could damage or break the branches or trunk.

Cover plants transported on open vehicles with a protective covering to prevent wind burn.

Provide dry, friable, loose topsoil for planting bed mixes. Amend with 4 parts screened topsoil and 1 part organic material (ie. Nature's Helper, Pro-Mix). Frozen or muddy topsoil is not acceptable.

PROJECT CONDITIONS

Protect existing utilities, paving, and other facilities from damage caused by landscaping operations.

A complete list of plants, including a schedule of sizes, quantities, and other requirements is shown on the drawings. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.

The irrigation system will be installed prior to planting. Locate, protect and maintain the irrigation system during planting operations. Repair irrigation system components, damaged during planting operations, at this Contractor's expense. Do not begin landscape accessory work before completion of final grading or surfacing.

WARRANTY

Warrant plant material to remain alive and be in a healthy, vigorous condition for a period of 1 year after completion and final acceptance of entire project.

Replace, in accordance with the drawings and specifications, all plants that are dead or, are in an unhealthy or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the Contractor's negligence. The cost of such replacement(s) is at Contractor's expense. Warrant all replacement plants for 1 year after installation.

Warranty shall not include damage or loss of trees, plants or ground covers caused by fires, floods, freezing rains, lightning storms or winds over 75 miles per hour, winter kill caused by extreme cold and severe winter conditions not typical of planting area; acts of vandalism or negligence on the part of the Owner.

Remove and immediately replace all plants, found to be unsatisfactory during the initial planting installation. Maintain plant material and lawns until final acceptance is made.

ACCEPTANCE

Inspection to determine acceptance of planted areas will be made by the Owner's representative or Landscape Architect.

1. Planted areas will be accepted provided all requirements, including maintenance, have been complied with and plant materials are alive and in a healthy, vigorous condition.

The Contractor will commence the specified plant maintenance once plants have been planted and until final acceptance.

CODES, PERMITS AND FEES

Obtain any necessary permits for this Section of Work and pay any fees required for permits.

The entire installation shall fully comply with all local and state laws and ordinances, and with all established codes applicable thereto.

PART 2 - PRODUCTS

MATERIALS

Plants: Provide plants typical of their species or variety; with normal, densely-developed branches and vigorous, fibrous root systems. Provide only sound, healthy, vigorous plants free from defects, disfiguring knots, sun scald injuries, frost cracks, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids and open spaces. Plants held in storage will be rejected if they show signs of growth during storage.

1. Dig balled and burlaped plants with firm, natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide ball sizes complying with the latest edition of the "American Standard for Nursery Stock". Cracked or mushroomed balls are not acceptable.
2. Container-grown stock: Grown in a container for sufficient length of time for the root system to have developed to hold its soil together, firm and whole.
   a. No plants shall be loose in the container.
   b. Container stock shall not be pot bound or have circling roots. Circling roots will be rejected.
3. Provide trees species that mature at heights over 25 feet with a single main trunk. Trees that have the main trunk forming a "Y" shape are not acceptable.
4. Plants planted in rows shall be matched in form.
5. Plants larger than those specified in the plant list may be used when acceptable to the Landscape Architect.
   a. If the use of larger plants is acceptable, increase the spread of roots or root ball in proportion to the size of the plant.
6. The height of the trees, measured from the crown of the roots to the top of the top branch, shall not be less than the minimum size designated in the plant list.
7. No pruning wounds shall be present with a diameter of more than 1" and such wounds must show vigorous bark on all edges.
8. Evergreen trees shall be branched to the ground unless specified otherwise.
9. Shrubs and small plants shall meet the requirements for spread and height indicated in the plant list.
   a. The measurements for height shall be taken from the ground level to the height of the top of the plant and not the longest branch.
   b. Single stemmed or thin plants will not be accepted.
   c. Side branches shall be generous, well-twigged, and the plant as a whole well-bushed to the ground.
   d. Plants shall be in a moist, vigorous condition, free from dead wood, bruises, or other root or branch injuries.

ACCESSORIES

Topsoil for Planting Beds: Fertile, friable, natural topsoil of loamy character, without admixture of subsoil material, obtained from a well-drained arable site, reasonably free from clay, lumps, coarse sands, stones, plants, roots, sticks, and other foreign materials, with acidity range of between pH 6.0 and 6.8. Topsoil to be at a minimum depth of 6" in planting beds and 4" depth in sodded areas.

Fertilizer: Similar or equal to Milorganite (6-3-0).

Anti-Desiccant: Protective film emulsion providing a protective film over plant surfaces; permeable to permit transpiration. Mixed and applied in accordance with manufacturer's instructions.

Mulch: See plans for type of mulch to be used.
   A. Hardwood: 6 month old well rotted double shredded native hardwood mulch not larger than 4" in length and 1/2" in width, free of wood chips and sawdust. Install minimum depth of 4".
   B. River Rock: Rock type to be tan to yellow-brown washed river slicks, 5" - 8" in size. Install in location as shown on Landscape Plan an even depth of 8".

Water: Free of substances harmful to plant growth. Hoses or other methods of transportation furnished by Contractor.

Guying/Staking/Wire: No. 10 or 12 gage galvanized wire.
1. Turnbuckles: Galvanized steel of size and gage required to provide tensile strength equal to that of the wire. Turnbuckle openings shall be at least 3".

Staking and Guying Hose: New, Two ply, reinforced garden hose not less than 1/2" inside diameter. Green or black in color, all same color for the project.

Tree Wrap: Standard waterproofed tree wrapping paper, 2-1/2" wide, made of 2 layers of crepe Kraft paper weighing not less than 30 lbs. Per ream, cemented together with asphalt.

Twine: Two-ply jute material.

PART 3 - EXECUTION

INSPECTION

Examine proposed planting areas and conditions of installation. Do not start planting work until unsatisfactory conditions are corrected.

PREPARATION

Time of planting:

1. Evergreen material: Plant evergreen materials between August 15 and October 15 or in spring before new growth begins. If project requirements require planting at other times, plants shall be sprayed with anti-desiccant prior to planting operations.
2. Deciduous material: Plant deciduous materials April 1 to June 1 and August 15 to November 15. If deciduous trees are planted in-leaf, they shall be sprayed with an anti-desiccant prior to planting operation.
3. Planting times other than those indicated shall be acceptable to the Owner.

Planting shall be performed only by experienced workmen familiar with planting procedures under the supervision of a qualified supervisor.

Locate plants as indicated or as approved in the field after staking by the Contractor. **If obstructions are encountered that are not shown on the drawings, do not proceed with planting operations. Contact Landscape Architect to determine new location.**

Excavate circular plant pits with vertical sides, except for plants specifically indicated to be planted in beds. Provide shrub and tree pits as shown in tree and shrub planting details. Depth of pit shall accommodate the root system. Provide undisturbed sub grade to hold root ball at nursery grade as shown on the drawings. Root flare must be visible after planting.

Provide pre-mixed planting mixture for use around the balls and roots of the plants consisting of 50% excavated material and 50% topsoil mix. Add plant fertilizer per manufacturer's recommendation for each cu. yd. of mixture.

Provide pre-mixed ground cover bed planting mixture consisting of 4 parts screened topsoil to 1 part peat moss and plant fertilizer per manufacturer's recommendation for each cu. yd. of mixture.

Remove loose material and debris from base surface before placing landscape accessories.

Drainage Test

Randomly select a representative number of shrub plant pits in each shrub planting area and test for drainage prior to planting. Randomly select a representative number of tree plant pits and test for drainage prior to planting. Fill each selected plant pit with water and let stand for twenty-four (24) hours. Do not proceed with planting where drainage problems are apparent. Report to the Owner's Representative areas which do not drain within twenty-four (24) hours.

INSTALLATION

Set plant material in the planting pit to proper grade and alignment. Set plants upright, plumb, and faced to give the best appearance or relationship to each other or adjacent structure. Set plant material 2"-3" above the finish grade. No filling will be permitted around trunks or stems. Backfill the pit with topsoil mix and excavated material. Do not use frozen or muddy mixtures for backfilling. Form a ring of soil around the edge of each planting pit to retain water as shown in detail.

After balled and burlapped plants are set, muddle planting soil mixture around bases of balls and fill all voids.

1. Remove all burlap, ropes, and wires from the top 2/3 of the root ball.

Space ground cover plants in accordance with indicated dimensions. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants. Plant to within 24" of the trunks of trees and shrubs within planting bed and to within 12" of edge of bed.

Mulching:

1. Mulch tree and shrub planting pits and shrub beds with required (see landscape plan) mulching material 4" deep immediately after planting. Thoroughly water mulched areas. After watering, rake mulch to provide a uniform finished surface.

Wrapping, guying, staking:

1. Inspect trees for injury to trunks, evidence of insect infestation, and improper pruning before wrapping.
2. Staking/Guying:
   a. Stake/guy all trees immediately after lawn sodding operations and prior to acceptance.
   b. Stake deciduous trees 3" caliper and less. Stake evergreen trees under 8'-0" tall.
   c. Guy deciduous trees over 3" caliper. Guy evergreen trees 8'-0" tall and over.
3. All work shall be acceptable to the Landscape Architect.

Pruning:

1. Prune branches of deciduous stock, after planting, to balance the loss of roots and preserve the natural character appropriate to the particular plant requirements. In general, remove 1/4 to 1/3 of the leaf bearing buds. Remove or cut back broken, damaged, and unsymmetrical growth of new wood.
2. Multiple leader plants: Preserve the leader which will best promote the symmetry of the plant. Cut branches flush with the trunk or main branch, at a point beyond a lateral shoot or bud a distance of not less than 1/2 the diameter of the supporting branch. Make cut on an angle.
3. Prune evergreens only to remove broken or damaged branches.

Decorative stone: (where indicated on landscape plan)

1. Install weed control barrier over sub-grade prior to installing stone. Lap 6" on all sides.
2. Place stone without damaging weed barrier.
3. Arrange stones for best appearance.

Metal edging: Locate to separate rock mulch from organinc mulch areas or where indicated on landscape plan.

1. Assemble to the lines and elevations indicated.
2. Assemble, align, bend and adjust the sections before back filling. Stake in place per manufacturer's recommendations to prevent frost movement. Readjust after fill is in place.
3. Set top flush with adjoining surfaces.

MAINTENANCE

The Contractor shall provide as a separate bid, maintenance for a period of ***1 year*** after final acceptance of the project landscaping. The Contractor must be able to provide continued maintenance if requested by the Owner or provide the name of a reputable landscape contractor who can provide maintenance.

Maintenance shall include mowing, fertilizing, mulching, pruning, cultivating, weeding, watering, and application of appropriate insecticides and fungicides necessary to maintain plants and lawns free of insects and disease.

1. Re-set settled plants to proper grade and position. Restore planting saucer and adjacent material and remove dead material.
2. Tighten and repair guy wires and stakes as required. Remove guy wires after one year. Guy straps are not to be too tight some slack is required.
3. Correct defective work as soon as possible after deficiencies become apparent and weather and season permit.
4. Water trees, plants and ground cover beds within the first 24 hours of initial planting, and not less than twice per week until final acceptance.

CLEANING

Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, soils, debris, and equipment. Repair damage resulting from planting operations.

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PROJECT NAME : RACETRAC MARKET #1151

SHEET TITLE : LANDSCAPE SPECIFICATIONS

PREPARED FOR : Racetrac Petroleum, Inc.

ADDRESS : SR 54 and Madison St. New Port Richey, FL

Revisions:

NO.	DATE :	DESCRIPTION :

PROJ. NO. : C068015K
DATE : 08-10-15
DRAWN : KC
DESIGNED :
CHECKED : JER

JASON E. RINARD, R.L.A.
REG NO FL LA 0001608
LANDSCAPE ARCHITECT

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

SHEET:

L-1.3