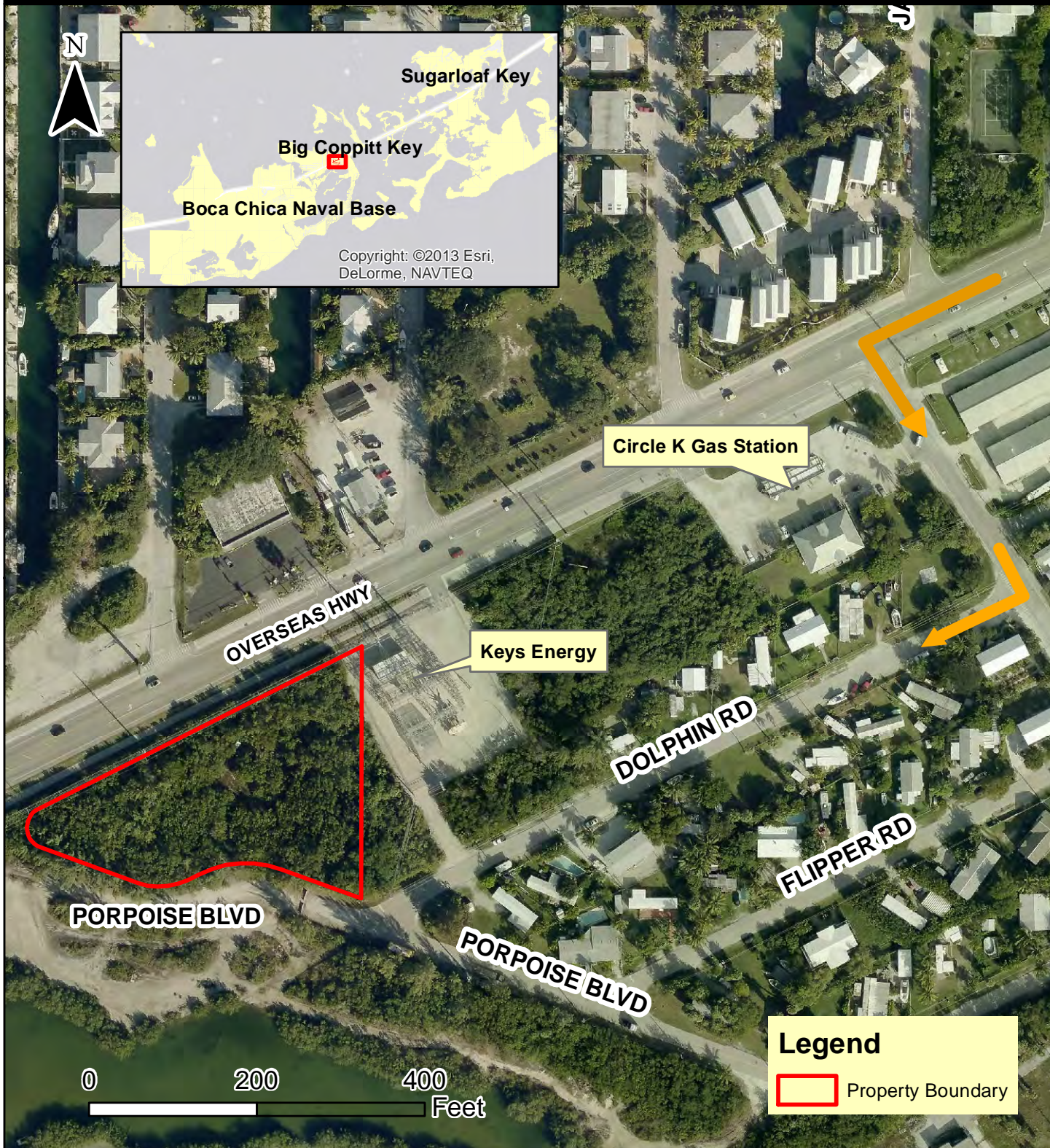




ATTACHMENT 1 Location Map and Directions



MAP OF BOUNDARY & TOPOGRAPHIC SURVEY
TRACT A
PORPOISE POINT
Section Two

SCALE: 1" = 20'

SURVEYOR'S NOTES:

BEARING BASE:
THE CENTERLINE OF DOLPHIN ROAD AT
N 63°11'25"E, AS SHOWN UPON PLAT

ALL ANGLES DEPICTED ARE 90 DEGREES
UNLESS OTHERWISE INDICATED

ADDRESS:
TRACT A PORPOISE POINT SECTION TWO
U.S. HIGHWAY NO. 1
BIG COPPITT KEY, FL 33040

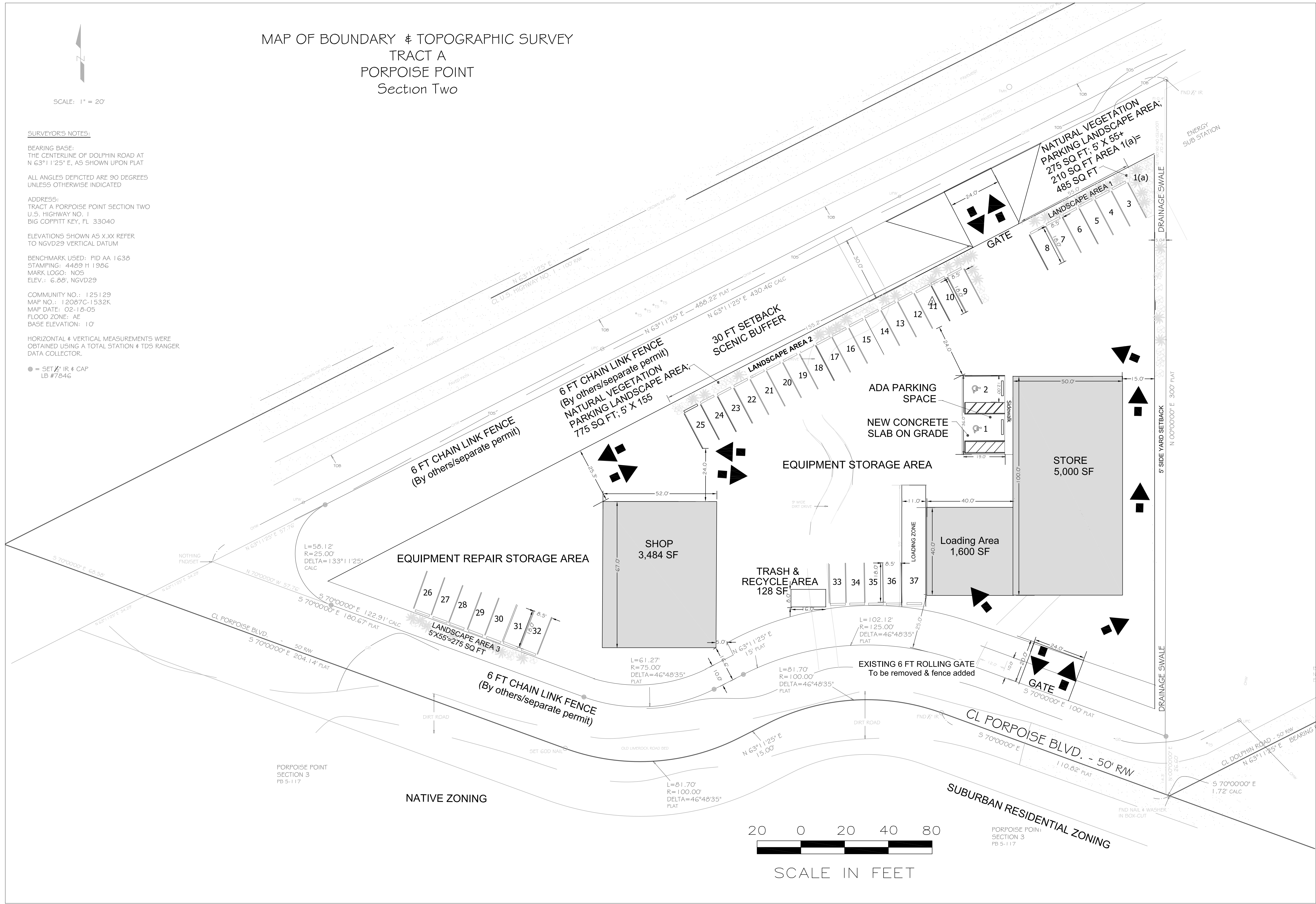
ELEVATIONS SHOWN AS X.XX REFER
TO NGVD29 VERTICAL DATUM

BENCHMARK USED: PID AA 1638
STAMPING: 4489 H 1986
MARK LOGO: NOS
ELEV.: 6.88', NGVD29

COMMUNITY NO.: 125129
MAP NO.: 12087C-1532K
MAP DATE: 02-18-05
FLOOD ZONE: AE
BASE ELEVATION: 10'

HORIZONTAL & VERTICAL MEASUREMENTS WERE
OBTAINED USING A TOTAL STATION & TD5 RANGER
DATA COLLECTOR.

● = SET IR & CAP
LB #7846



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Certificate of Authorization 31217

CONSULTANTS:



5216 US Highway 1
Stock Island, FL 33040
(305) 294-7171

FOUR STAR RENTALS OUTDOOR
EQUIPMENT STORAGE
MM 10.5 OVERSEAS HWY.
BIG COPPITT KEY, FL

REVISIONS	DATE

SEAL

JAMES RONALD BRUSH, P.E.
LICENSED ENGINEER
STATE OF FLORIDA No. 48504

SWC PROJECT NO.
030-0316
CHECKED BY:
SW
DRAWN BY:
JB
ISSUE:
WETLAND PERMIT APPLICATIONS
DATE:
12-12-16
SHEET INDEX

SITE PLAN

SHEET NUMBER

REFER TO SURVEY COMPLETED BY REECE & WHITE LAND
SURVEYING, INC.; 127 INDUSTRIAL ROAD BIG PINE KEY, FL
DRAWING # 12022303 Dated 08/08/12 by Joe Robert White LS 6688
Site plan based on survey by Reece & White Drawing No. 30251

SITE PLAN
ATTACHMENT 3

SURVIVORS NOTES:

BEARING BASE:
THE CENTERLINE OF DOLPHIN ROAD AT
N 63°11'25" E, AS SHOWN UPON PLAT
UNLESS OTHERWISE INDICATED

ADDRESS:
TRACT A PORPOISE POINT SECTION TWO
U.S. HIGHWAY NO. 1
BIG COPPITT KEY, FL 33040

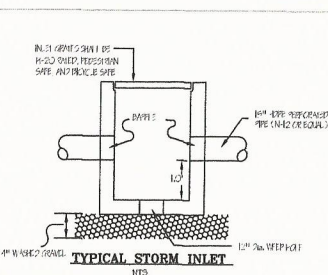
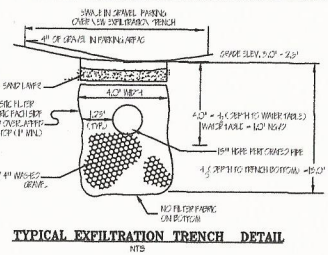
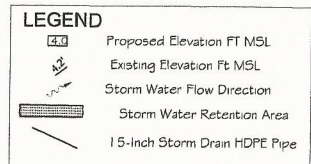
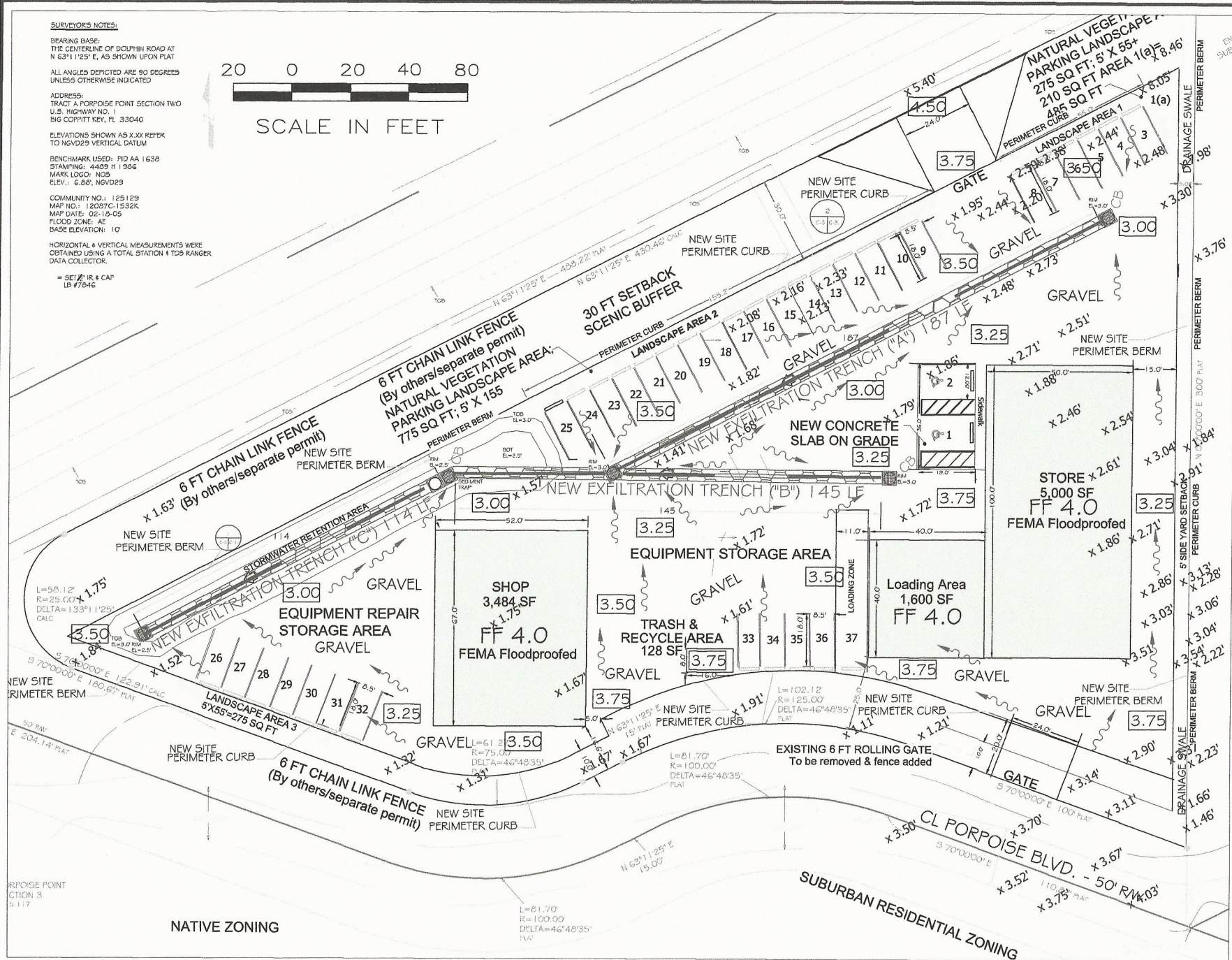
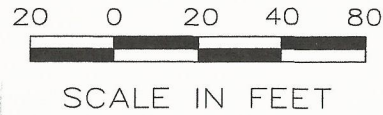
ELEVATIONS SHOWN AS PLUS REFER
TO NGVD29 VERTICAL DATUM

BENCHMARK USED: FID AA 1638
STAMPING: 4429 11 1996
MARK LOGO: NOS
ELEV.: 6.89, NGVD29

COMMUNITY NO.: 125129
MAP NO.: 12057C-1532K
MAP DATE: 02-16-05
FLOOD ZONE: AE
BASE ELEVATION: 1'0"

HORIZONTAL & VERTICAL MEASUREMENTS WERE
OBTAINED USING A TOTAL STATION & TDS RANGER
DATA COLLECTOR.

SCALE: IR & CAP
LD 47746



DRAINAGE CALCULATIONS

WATER QUANTITY - PRE DEVELOPMENT

TOTAL PROJECT AREA = 1.54 AC
 LOT AREA = 67,071 SQ FT
 LOT AREA MINUS SETBACKS & BUFFERS = 46,087 SQ FT
 IMPERVIOUS PERVIOUS AREA = 53,657 SQ FT
 % IMPERVIOUS = 1.23 AC = 80%
 % IMPERVIOUS AREA = 0.31 AC
 20%
 RAINFALL FOR 25yr/24hr EVENT (P) = 9 IN
 RAINFALL FOR 25yr/3day EVENT (P) = 12.23 IN
 DEPTH TO WATER TABLE = 4 FT
 DEVELOPED AVAILABLE STORAGE = 8.18 IN
 SOIL STORAGE (S) = (8.18 IN)(1-0.20) = 6.54 IN

$$Q_{pre} = \frac{(P-0.2S)^2}{(P+0.8S)} = \frac{(12.23-(0.2)(6.54))^2}{(12.23+(0.8)(6.54))} = 6.83 \text{ IN}$$

WATER QUANTITY - POST DEVELOPMENT

PROJECT AREA = 1.54 AC
 LOT AREA = 67,071 SQ FT
 BUILDINGS AND PAVEMENTS = 17,489 SQ FT
 PRE-EXISTING HARD-PACKED AREA = 13,414 SQ FT
 PERVIOUS AREA = 36,168 SQ FT
 IMPERVIOUS AREA = 0.71 AC
 % IMPERVIOUS = 46.0%
 RAINFALL FOR 25yr/24hr EVENT (P) = 9 IN
 RAINFALL FOR 25yr/3day EVENT (P) = 12.23 IN
 DEPTH TO WATER TABLE = 4 FT
 DEVELOPED AVAILABLE STORAGE = 8.18 IN
 SOIL STORAGE (S) = (8.18 IN)(1-0.48) = 4.42 IN

$$Q_{post} = \frac{(P-0.2S)^2}{(P+0.8S)} = \frac{(12.23-(0.2)(4.42))^2}{(12.23+(0.8)(4.42))} = 8.165 \text{ IN}$$

POSTDEVELOPMENT - PREDEVELOPMENT

(Qpost) - (Qpre) = 8.165 AC-IN - 6.83 AC-IN = 1.335 AC-IN
 WATER QUANTITY TREATMENT VOLUME = 1.335 AC-IN

WATER QUALITY

DRAINAGE BASIN AREA = 1.54 AC
 A) ONE INCH OF RUNOFF FROM DRAINAGE AREA = 1.54 AC-IN
 B) 2.5 INCHES TIMES PERCENT IMPERVIOUS

IMPERVIOUS =	0.71 AC
PERVIOUS AREA =	0.83 AC
IMPERVIOUS = SITE(LOT)-PERVIOUS	
% IMPERVIOUS = SITE(LOT)	46.0%
RUNOFF TREATMENT = 2.5" (%IMPERVIOUS) =	1.15 IN
VOLUME=(1.15 INCHES)(DRAINAGE AREA) =	1.77 AC-IN

WATER QUANTITY -vs- WATER QUALITY

1.335 AC-IN<1.77 AC-IN

RETENTION REQUIRED

VOLUME REQUIRED = 1.77 AC-IN
 RETENTION REQUIRED = 6,425 CF
 50% CREDIT FOR DRY RETENTION TO INFILTRATION TRENCHES
 50% X 6,425 CF = 3,213 CF BASED ON THE PROPOSED 1,383 CF DETENTION AREA.
 OUTSTANDING FLORIDA WATERS: ADD 50% LEVEL OF TREATMENT;
 FAC 62-25.025(9)- ADD 1,606 CF; TOTAL REQUIRED=4,819.5 CF

STORAGE VOLUME AVAILABLE FOR WATER QUALITY

SITE STORAGE SWALE AREA = 2,766 S.F.
 AVERAGE ELEVATION OF STORAGE AREA = 3.50 FT
 OVERFLOW ELEVATION OF STORAGE AREA = 4.00 FT
 AVERAGE DEPTH OF STORAGE AREA = 0.5 FT
 SWALE CROSS SECTION AREA = 2,766 S.F.

STORAGE VOLUME AVAILABLE FOR WATER QUALITY=
 2,766 S.F. x 0.5 FT = 1,383 C.F. -4,819.5 C.F. REQUIRED.
 4,819.5 C.F. -1,383 CF =3,436.5 CF STILL REQUIRED

ADDITIONAL STORAGE IS REQUIRED. USE INFILTRATION TRENCHES

EXFILTRATION TRENCH VOLUME PER LF

EXFILTRATION TRENCH VOLUME (V) =
 $L \left(K(H_1^2 W + 2H_1^2 D_1 - D_1 + 2H_1 D_1) + 1.39 \times 10^6 (W)(D_1) \right)$

WHERE:
 EXFILTRATION TRENCH PROVIDED = 100 L.F.
 HYDRAULIC CONDUCTIVITY, K = 0.000170
 DEPTH TO WATER TABLE, H = 4.0 FT
 TRENCH WIDTH, W = 4.0 FT
 NON-SATURATED TRENCH DEPTH, D₁ = 4.0 FT
 SATURATED TRENCH DEPTH, D₂ = 13 FT
 VOLUME PER LF OF TRENCH = 0.43 AC-IN (1,546 CF/100LF)
 VOLUME PER LF = 15.46 CF

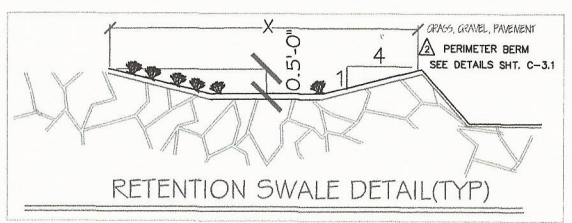
RETENTION PROVIDED BY EXFILTRATION TRENCHES

EX. TRENCH "A" VOLUME @ 222.25 LF x 15.46CF/LF = 3,436 CF
 3,436 CF REQUIRED: 3,436 CF PROVIDED;
 WITH SAFETY FACTOR OF 2; USE 444 LF OF EXFILTRATION TRENCH
 6,872 CF PROVIDED; STORAGE IS ADEQUATE.

DRAINAGE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL AREAS TO INSURE POSITIVE DRAINAGE AND TO PREVENT STANDING WATER.
- DRAINAGE CALCULATIONS BASED ON F.A.C. CHAPTERS 62-25 AND 62-302.530; 62-303 F.A.C. SECTION 40E-4.091; AND AS OUTLINED IN SFWMD ENVIRONMENTAL RESOURCES PERMIT APPLICANT'S HANDBOOK VOL. II, APPENDIX "E"
- EXFILTRATION TRENCH DESIGN BASED ON SFWMD METHOD AND EXIST. EXFILTRATION TRENCH DESIGN PARAMETERS AND PERCOLATION TEST BY NOVA ENGINEERING AND ENVIRONMENTAL FT LAUDERDALE AT SIMILAR SITE.
- CONTRACTOR SHALL PROVIDE FINAL GRADING SLOPED TO DRAIN TO NEW STORM DRAIN INLET CATCH BASIN INLET GRATES OF EXFILTRATION TRENCHES.
- THE SITE AT ALL TIMES SHALL BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES SUCH AS HAYBALE FILTERS OR SILT FENCES.
- CONTRACTOR SHALL COMPLY WITH THE SITE STORMWATER MANAGEMENT PLAN, BEST MANAGEMENT PRACTICES, AND MCC CHAPTER 114 MANUAL OF STORMWATER MANAGEMENT PRACTICES.

STORMWATER DRAINAGE PLAN



STORMWATER RETENTION DESIGN SUMMARY

Design Volume = Monroe County Code (MCC Chapter 114-3)
 Design Volume = Dry Pretreatment Retention 1 inch over newly disturbed area
 = 1.0 inches X 1 FT X 64,025 SQ. FT. = 5335.0 CU FT
 12 inches

LOT AREA:	67,071 Sq.Ft.
PERVIOUS AREA	36,168 Sq. Ft.
IMPERVIOUS AREA (post-development)	30,903 Sq. Ft.
% IMPERVIOUS:	48 %

CUBIC FT. REQUIRED= (IMPERVIOUS AREA X RAINFALL) /12 = 5335.0
 CUBIC FT. SUPPLIED= S.F. OF RETENTION AREA X AVG. DEPTH IN FEET
 New Retention Basin along Northwest side:
 0.5 FT deep x swale area = 0.5 FT x 150' x 9.22' = 1,383 CUBIC FEET
 TOTAL CUBIC FEET DRY RETENTION SUPPLIED= 1383 CU FT
 CUBIC FT. REQUIRED= (IMPERVIOUS AREA X RAINFALL) /12= 5335.0
 Retention is not Adequate as per MCC 114.3; Discharge to New Exfiltration trenches

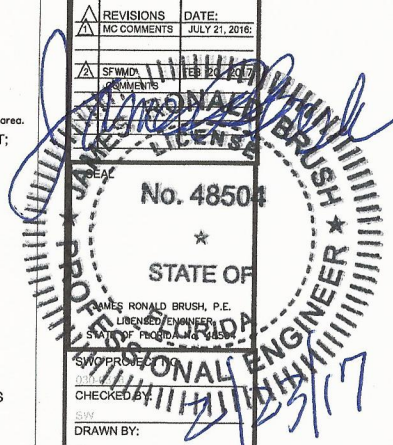


CONSULTANTS:



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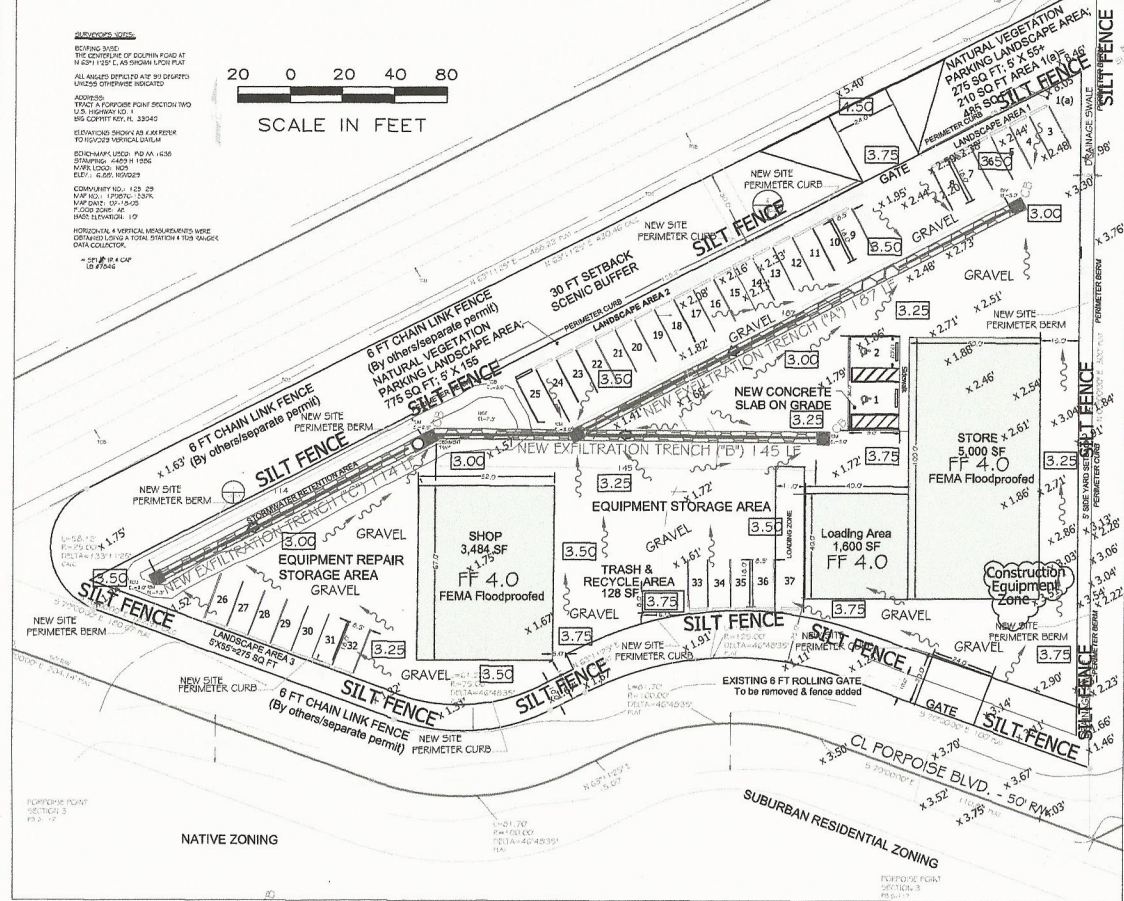
FOUR STAR RENTALS OUTDOOR
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 BIG COPPITT KEY, FL



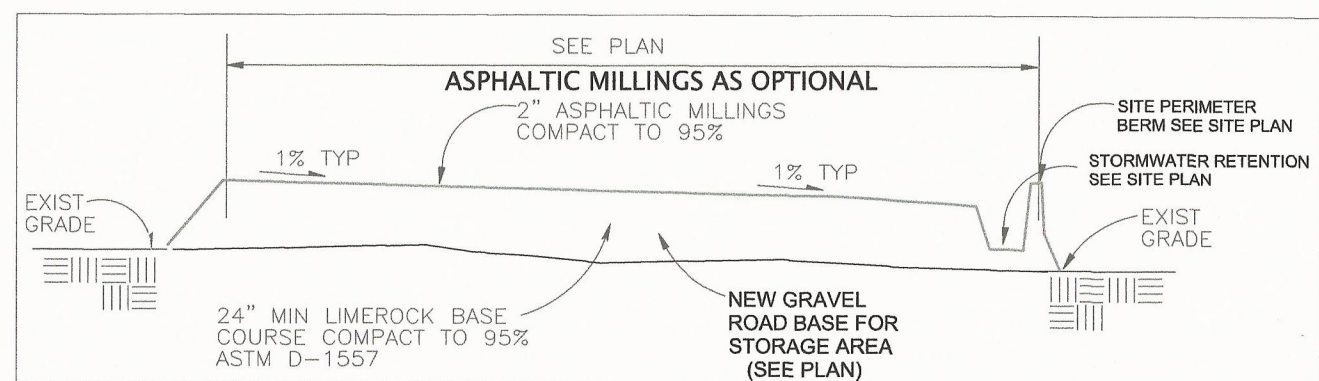
STORMWATER DRAINAGE PLAN & NOTES CALCULATIONS DETAILS

SHEET NUMBER

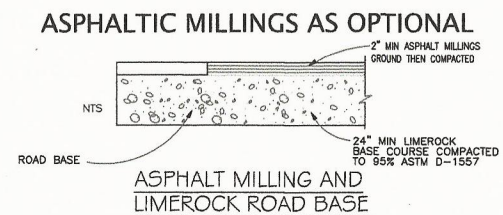
MAP OF BOUNDARY & TOPOGRAPHIC SURVEY
TRACT A
PORPOISE POINT
Section Two



STORMWATER DRAINAGE & EROSION CONTROL PLAN



ELEVATION- ROAD BASE FILL FOR STORAGE AREAS



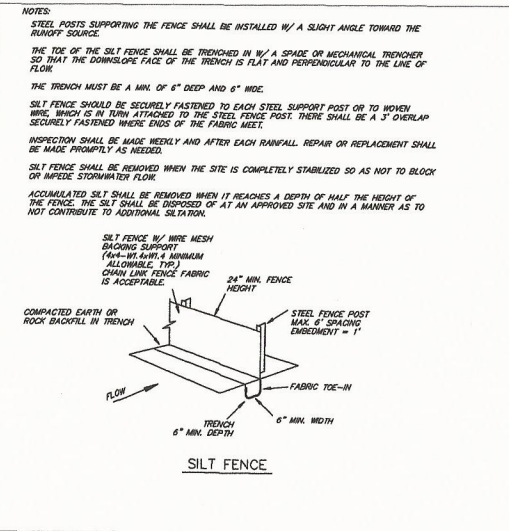
NOTES: ROAD BASE FILL

- Contractor shall establish all benchmarks, property corners & layout of the developed storage area boundaries;
- Contractor shall verify existing elevations prior to beginning work, establish benchmarks and construction survey staking.
- Road base fill with ground asphaltic millings and lime rock to be built in compliance with FDOT standards & specifications;

GENERAL NOTES: 1. New Road Base to match grades as shown on Site Plan and shall drain efficiently to catch basins.

DRAINAGE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL AREAS TO INSURE POSITIVE DRAINAGE AND TO PREVENT STANDING WATER.
- DRAINAGE CALCULATIONS BASED ON SFWMD MANUAL VOLUME IV AND MONROE COUNTY CODE (MCC Chapter 114-3)
- CONTRACTOR SHALL PROVIDE FINAL GRADING SLOPED TO DRAIN TO NEW STORM DRAINAGE SWALE CONSTRUCTED ALONG THE EAST SIDE P/L.
- THE SITE AT ALL TIMES SHALL BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES SUCH AS HAYBALE FILTERS OR SILT FENCES.



CONCRETE NOTES

- TYPICAL 28 DAY CONCRETE COMPRESSIVE STRENGTH: 3000 PSI
MATERIALS AND MATERIAL TESTS USED FOR REINFORCED CONCRETE SHALL CONFORM TO ACI 318; THE SAME BRAND AND TYPE OF CEMENT, AND AGGREGATE FROM A CONSISTENT SOURCE SHALL BE USED; SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED 75% OF ITS 28-DAY STRENGTH;
- REINFORCING STEEL: ASTM A615, GRADE 60; ALL CONTINUOUS HORIZONTAL REINFORCING AND VERTICAL WALL REINFORCING SHALL BE LAPPED ACCORDING TO LAP SPLICE AND EMBEDMENT REQUIREMENTS PER ACI 318, LATEST EDITION. SPLICES SHALL BE CLASS "B"; NO REINFORCING BARS SHALL BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS, EMBEDS OR OTHER ITEMS; ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 318-95 AND ACI DETAILING MANUAL, ACI-315, LATEST EDITION;
- PROVIDE THE FOLLOWING CONCRETE COVERAGE OVER REINFORCING: 1) SLAB (TOP AND BOTTOM STEEL) 3" CLR. 2) BEAMS & COLUMNS: TIES 1-1/2" CLR; SHOP DRAWINGS FOR PLACEMENT SHALL BE SUBMITTED FOR REVIEW PRIOR TO REBAR FABRICATION; PLACE CONCRETE AND PROVIDE COORDINATED CONTROL & EXPANSION JOINTS PER ACI 304 TO PREVENT FUTURE CONCRETE CRACKING;

LEGEND

- Proposed Elevation Ft MSL
- Existing Elevation Ft MSL
- Storm Water Flow Direction
- Storm Water Retention Area
- 1.5-Inch Storm Drain HDPE Pipe

CONSTRUCTION SCHEDULE & TECHNIQUES

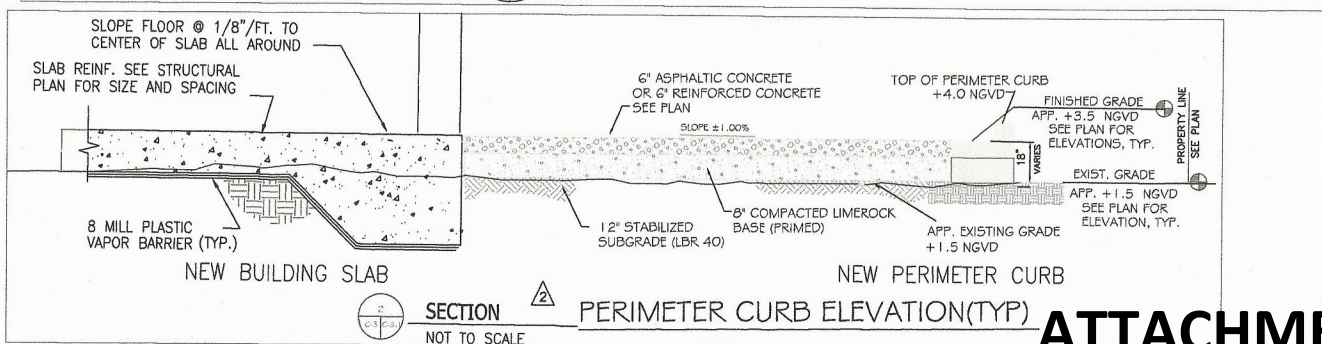
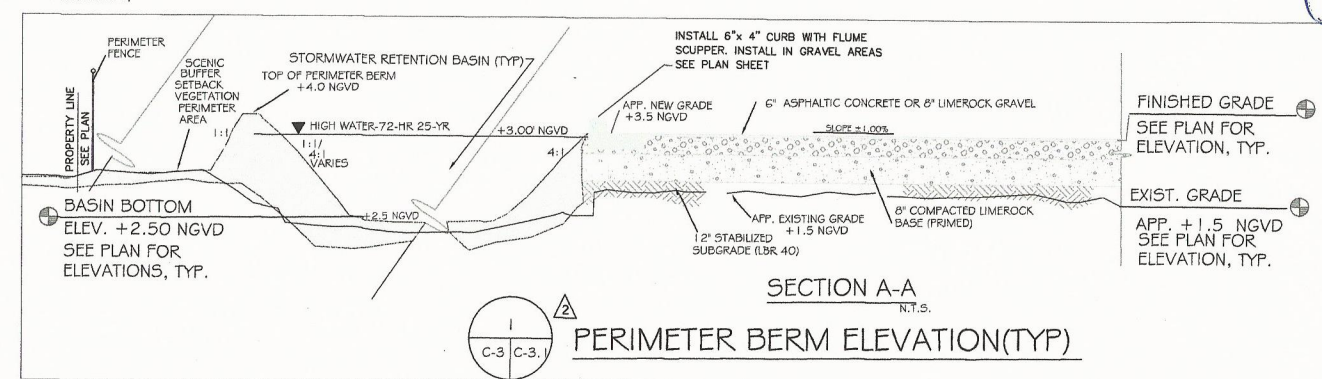
- THE CONTRACTOR SHALL SUBMIT A WORK PLAN FOR APPROVAL PRIOR TO BEGINNING WORK TO INCLUDE A SCHEDULE, METHODS OF ACCESS, EQUIPMENT STAGING, LOCATIONS OF EXCAVATED MATERIAL TEMPORARY AND OFFSITE;
- PERIMETER EROSION CONTROL MEASURES AND CONSTRUCTION EXIT MUST BE IN PLACE BEFORE STARTING SOIL DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL CONSTRUCT AND USE AN ON-SITE WASHOUT PIT FOR CONCRETE TRUCKS.
- THE CONTRACTOR SHALL CONSTRUCT A BERM OR OTHER SPILL PROTECTION MEASURES FOR ANY TEMPORARY ON-SITE FUEL STORAGE TANKS.
- ALL DEWATERING DISCHARGES SHALL BE FILTERED TO REMOVE SEDIMENT AND OTHER POLLUTANTS PRIOR TO THE WATER LEAVING THE SITE.
- CONTRACTOR SHALL PROVIDE A DEWATERING PLAN FOR APPROVAL THAT INCLUDES DEWATERING DETAILS, METHODS OF ISOLATING THE AREAS TO BE DEWATERED, NECESSARY PERMITS, TO CONTAIN DISCHARGES.
- VEHICLE PARKING, VEHICLE STAGING, STOCKPILES, SPOILS AND CONSTRUCTION MATERIALS STORAGE SHALL BE LOCATED SO AS TO NOT ADVERSELY AFFECT STORM WATER QUALITY. STOCKPILES AND MATERIALS STORAGE AREAS SHALL BE COVERED OR CONTAINED WITHIN A BERM TO PREVENT DISCHARGE OF DELETERIOUS MATERIAL FROM THE SITE.
- ALL TRASH ON-SITE AND BUILDING MATERIAL WASTE SHALL BE STORED IN AN ENCLOSED CONTAINER UNTIL PROPERLY DISPOSED OF OFF-SITE.
- ALL SURFACE AREAS DISTURBED BY VEHICLES AND CONSTRUCTION WITHIN OR ADJACENT TO THIS PROPERTY MUST BE PERMANENTLY STABILIZED. THIS INCLUDES SWALES, SLOPES AND RETENTION AREAS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITY. STABILIZATION IS OBTAINED WHEN THE SITE IS COVERED WITH VEGETATION, GRAVEL ROAD BASE OR PAVING. SITE STABILIZATION IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.

EROSION CONTROL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING THE FLOW OR OFF-SITE TRACKING OF SEDIMENT AND OTHER POLLUTANTS FROM LEAVING THE SITE.
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- ALL LIME STABILIZATION SHALL BE MIXED AND COMPACTED AT THE END OF EACH WORKING DAY.
- VEHICLE PARKING, VEHICLE STAGING, STOCKPILES, SPOILS AND CONSTRUCTION MATERIALS STORAGE SHALL BE LOCATED SO AS TO NOT ADVERSELY AFFECT STORM WATER QUALITY. STOCKPILES AND MATERIALS STORAGE AREAS SHALL BE COVERED OR CONTAINED WITHIN A BERM TO PREVENT DISCHARGE OF DELETERIOUS MATERIAL FROM THE SITE.
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- THE GENERAL CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED MEASURES SHALL BE REPAIRED OR REPLACED. EROSION CONTROL MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN CALENDAR DAYS.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH FDEP & SFWMD "CONSTRUCTION BEST MANAGEMENT PRACTICES".

NOTES: CLEARING AND GRUBBING

- Contractor shall remove trees and stumps cut flush with the ground or removed within the limits of the project.
- Contractor shall remove trash and debris from the project area;
- Contractor shall establish temporary stockpile area for cleared and grubbed materials consistent with best management practices and consistent with the stormwater management plan and erosion control and silt fence strategy.



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FSR
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5216 US Highway 1
Stock Island, FL 33040
(305) 294-7171

FOUR STAR RENTALS OUTDOOR
EQUIPMENT STORAGE
MM 10.5 OVERSEAS HWY.
BIG COPPIT KEY, FL

REVISIONS DATE:
1. IFC COMMENTS JULY 21, 2016
2. SFWMD FEB 20, 2017
COMMENTS

STATE OF FLORIDA
No. 48504
JAMES RONALD BRUSH, P.E.
LICENSED ENGINEER
S.W.C. PROJECT NO. 17-0000000000
CHECKED BY: [Signature]
DRAWN BY: 2/23/17
ISSUE:
DATE:
0-204-10 (REV) FEB 23, 2017
SHEET INDEX JANUARY 20, 2017

STORMWATER DRAINAGE PLAN & NOTES ROAD BASE & EROSION CONTROL PLAN
SHEET NUMBER



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MIAMI • FORT MYERS
www.swc.com
P.O. BOX 238811 • MIAMI, FL 33123

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CONSULTANTS:

- CONSTRUCTION SCHEDULE & TECHNIQUES**
1. THE CONTRACTOR SHALL SUBMIT A WORK PLAN FOR APPROVAL PRIOR TO BEGINNING WORK TO INCLUDE A SCHEDULE, METHODS OF ACCESS, EQUIPMENT STAGING, LOCATIONS OF EXCAVATED MATERIAL, TEMPORARY AND OFF-SITE.
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 3. THE CONTRACTOR SHALL CONSTRUCT AND USE AN ON-SITE WASHOUT PIT FOR CONCRETE TRUCKS.
 4. THE CONTRACTOR SHALL CONSTRUCT A BERM OR OTHER SPILL PROTECTION MEASURES FOR ANY TEMPORARY ON-SITE FUEL STORAGE TANKS.
 5. ALL Dewatering DISCHARGES SHALL BE FILTERED TO REMOVE SEDIMENT AND OTHER POLLUTANTS PRIOR TO THE WATER LEAVING THE SITE.
 6. CONTRACTOR SHALL PROVIDE A DEWATERING PLAN FOR APPROVAL THAT INCLUDES DEWATERING DETAILS, METHODS OF ISOLATING THE AREAS TO BE DEWATERED, NECESSARY PERMITS, TO CONTAIN DISCHARGES.
 7. VEHICLE PARKING, VEHICLE STAGING, STOCKPILES, SPOILS AND CONSTRUCTION MATERIALS STORAGE SHALL BE LOCATED SO AS TO NOT ADVERSELY AFFECT STORM WATER QUALITY. STOCKPILES AND MATERIALS STORAGE AREAS SHALL BE COVERED OR CONTAINED WITHIN A BERM TO PREVENT DISCHARGE OF DELETERIOUS MATERIAL FROM THE SITE.
 8. ALL TRASH ON-SITE AND BUILDING MATERIAL WASTE SHALL BE STORED IN AN ENCLOSED CONTAINER UNTIL PROPERLY DISPOSED OF OFF-SITE.
 9. ALL SURFACE AREAS DISTURBED BY VEHICLES AND CONSTRUCTION WITHIN OR ADJACENT TO THIS PROPERTY MUST BE PERMANENTLY STABILIZED. THIS INCLUDES SWALES, SLOPES AND RETENTION AREAS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITY. STABILIZATION IS OBTAINED WHEN THE SITE IS COVERED WITH VEGETATION, GRAVEL ROAD BASE OR PAVING.
 10. SITE STABILIZATION IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.

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 5. ALL Dewatering DISCHARGES SHALL BE FILTERED TO REMOVE SEDIMENT AND OTHER POLLUTANTS PRIOR TO THE WATER LEAVING THE SITE.
 6. ALL LIME STABILIZATION SHALL BE MIXED AND COMPACTED AT THE END OF EACH WORKING DAY.
 7. VEHICLE PARKING, VEHICLE STAGING, STOCKPILES, SPOILS AND CONSTRUCTION MATERIALS STORAGE SHALL BE LOCATED SO AS TO NOT ADVERSELY AFFECT STORM WATER QUALITY. STOCKPILES AND MATERIALS STORAGE AREAS SHALL BE COVERED OR CONTAINED WITHIN A BERM TO PREVENT DISCHARGE OF DELETERIOUS MATERIAL FROM THE SITE.
 8. ALL TRASH ON-SITE AND BUILDING MATERIAL WASTE SHALL BE STORED IN AN ENCLOSED CONTAINER UNTIL PROPERLY DISPOSED OF OFF-SITE.
 9. ALL SURFACE AREAS DISTURBED BY VEHICLES AND CONSTRUCTION WITHIN OR ADJACENT TO THIS PROPERTY MUST BE PERMANENTLY STABILIZED. THIS INCLUDES SWALES, SLOPES AND RETENTION AREAS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITY. STABILIZATION IS OBTAINED WHEN THE SITE IS COVERED WITH VEGETATION, GRAVEL ROAD BASE OR PAVING.
 10. SITE STABILIZATION IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
 11. THE GENERAL CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED MEASURES SHALL BE REPAIRED OR REPLACED. EROSION CONTROL MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN CALENDAR DAYS.
 12. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH FDEP & SFWM "CONSTRUCTION BEST MANAGEMENT PRACTICES".

FOUR STAR RENTAL OUTDOOR
EQUIPMENT STORAGE
MM 10.5 OVERSEAS HWY.
BIG COPPITT KEY, FL

REVISIONS	DATE
1	FEB 20, 2017

STATE OF FLORIDA
JAMES RONALD BRUSH, P.E.
LICENSED ENGINEER
No. 48504

PROFESSIONAL ENGINEER
STATE OF FLORIDA No. 48504
BRUSH
2/23/17

TRENCH
STRUCTURE
DETAILS &
NOTES

SHEET NUMBER

NOTES:

STEEL POSTS SUPPORTING THE FENCE SHALL BE INSTALLED W/ A SLIGHT ANGLE TOWARD THE RUNOFF SOURCE.

THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN W/ A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.

THE TRENCH MUST BE A MIN. OF 6" DEEP AND 6" WIDE.

SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3" OVERLAP SECURELY FASTENED W/ ONE END OF THE FABRIC WIRE.

INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW.

ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

SILT FENCE W/ WIRE MESH BACKING SUPPORT (4'-8" MIN. SPACING & MINIMUM ALLOWABLE, TYP.) CHAIN LINK FENCE FABRIC IS ACCEPTABLE.

24" MIN. FENCE HEIGHT

COMPACTED EARTH OR ROCK BACKFILL IN TRENCH

STEEL FENCE POST MAX. 6' SPACING EMBEDMENT = 1'

8" TYP. FABRIC TOE-IN

6" MIN. DEPTH

6" MIN. WIDTH

