CONSTRUCTION PLANS
FOR
NORTH RIVER VILLAGE OUTPARCELS

GENERAL NOTES

1. TOTAL APPLICANT OWNED ACREAGE: 32.03 AC.
2. ZONING: PDC OVERLAY: ENTRANCEWAY
3. ADJACENT ZONING: SEE PLANS
4. PID: 816700159/816800279
5. EXISTING LAND USE: SHOPPING PLAZA/VACANT
   PROPOSED LAND USE: 14,105 S.F. RETAIL, RESTAURANT AND ACCESSORY DRIVE-THROUGH ON OUTPARCELS.
6. ADJACENT LAND USE: SEE PLANS
7. FLUC = ROR
8. THERE ARE NO KNOWN HISTORIC SITES OR HISTORIC BUILDINGS LOCATED ON THE SITE.
9. FLOOD ZONES: THE SITE LIES WITHIN THE BOUNDARIES OF FLOOD ZONE "B" AND "C" PER FIRM MAP #120153 0192 B, MARCH 15, 1984 AND ZONE "AE" AND "X" PER FIRM MAP #120153 0215C, JULY 15, 1992
10. GROSS NON-RESIDENTIAL FAR: 189,211 + 14,105 = 203,316 S.F. RETAIL/1,395,226.8 S.F. = 0.146
11. WETLAND AREA: PROPOSED TO BE REMOVED (SEE ENVIRONMENTAL REPORT)
12. WETLAND BUFFER: N/A
13. THE TWENTY FIVE (25) YEAR FLOODPLAIN IS LOCATED WITHIN DEPRESSIONAL AREA THAT IS PROPOSED TO BE CULVERTED.
14. COMMERCIAL OUPARCELS
    LOT AREA: 1.68 AC. WEST OUTPARCEL AND 0.586 AC. EAST OUTPARCEL
    LOT WIDTH: VARIES
    LOT DEPTH: VARIES
    FINISHED FLOORS: 24" MIN. ABOVE CENTERLINE OF THE ROAD
    BUILDING ENVELOPE: SEE PLANS
    MINIMUM BUILDING SETBACKS (TYP.): (SEE FINAL SITE PLAN FOR PROPOSED BUIDING SETBACKS)
        FRONT: 25'
        SIDE: 20'
        REAR: 20'
15. SITE COVERAGES:
    BUILDING: 4.67 AC (4.1%)
    EX. LAKE: 5.06 AC (12.2%)
    PAVEMENT: 13.41 AC (60.5%)
        TOTAL IMPERVIOUS AREA: 23.14 (72.2%)
        TOTAL PERVIOUS AREA: 8.89 (27.8%)
        TOTAL AREA: 32.03 AC (100%)
16. UTILITY EASEMENTS (IN ACCORDANCE WITH SECTION 907.10 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE): SEE PLANS
17. OTHER EASEMENTS: AS SHOWN ON PLANS.
18. OPEN SPACE: 49.55% PROVIDED
19. PROPOSED BUILDING HEIGHT: 35'
20. PARKING CALCULATIONS OUTPARCELS:
    REQUIRED PARKING: 11,200 SF RETAIL (1 SPACE/250 S.F.) = 45 SPACES
    PROVIDED PARKING = 77 SPACES
    REQUIRED HANDICAP PARKING = 4 SPACES
    PROVIDED HANDICAP PARKING = 4 SPACES
    REQUIRED PARKING: 2,905 SF RESTAURANT (1 SPACE/80 S.F.) = 36 SPACES
    PROVIDED PARKING = 36 SPACES
    REQUIRED HANDICAP PARKING = 2 SPACES
    PROVIDED HANDICAP PARKING = 2 SPACES
21. FOUNDATION LANDSCAPING: 11,200/1,000 x 40 = 448 S.F. REQUIRED, 774 S.F. PROVIDED
    2,905/1,000 X 20 = 117 S.F. REQUIRED, 978 S.F. PROVIDED
22. ALL REQUIRED YARDS ARE DELINEATED ON THE PLANS.
23. RECREATIONAL AREA: N/A
24. ALL STORMWATER MANAGEMENT FACILITIES AND DRAINAGE STRUCTURES SHALL BE PRIVATELY OWNED AND MAINTAINED.
25. CONSTRUCTION SCHEDULE:
    START DATE: UPON RECEIPT OF ALL AGENCY APPROVALS (APPROXIMATELY 1 NOVEMBER 2012)
    COMPLETION DATE: (APPROXIMATELY 1 MARCH 2013), BUT NOT TO EXCEED THE EXPIRATION OF THE CERTIFICATE OF LEVEL OF SERVICE
26. STATEMENT OF SCHOOL NEEDS: N/A
27. LANDSCAPE DATA: SEE LANDSCAPE PLAN (IN ACCORDANCE WITH SECTION OF 715 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE).
28. ALL SIGNS SHALL BE IN ACCORDANCE WITH SECTION 724 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE.
29. THERE ARE NO PERENNIAL STREAMS LOCATED ON THE SUBJECT SITE.
30. ALL EASEMENTS, DEDICATIONS, AND PRESERVATIONS WILL BE COMPLETED THROUGH THE FINAL SITE PLAN APPROVAL.
31. THERE ARE NO EXISTING WELLS OR SEPTIC TANKS LOCATED ON THE SUBJECT SITE. IF DISCOVERED, THEY WILL BE PLUGGED AND ABANDONED IN ACCORDANCE WITH DEP AND MANATEE COUNTY PUBLIC HEALTH UNIT REGULATIONS.
32. THE PROPOSED SANITARY SEWER SERVICE ARE TO TIE INTO A PRIVATELY OWNED AND MAINTAINED SEWAGE COLLECTION SYSTEM. THE SANITARY SEWAGE FROM THE PRIVATE SYSTEM IS THEN COLLECTED AND TREATED BY MANATEE COUNTY.ALL NEW SANITARY SEWER CONSTRUCTION SHALL MEET OR EXCEED MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS AND SHALL BE PRIVALELY OWNED AND MAINTAINED.
33. DOMESTIC AND FIRE SERVICES ARE PROPOSED TO TIE INTO A PRIVATELY OWNED AND MAINTAINED WATER DISTRIBUTION SYSTEM. THE PRIVATE WATER DISTRIBUTION SYSTEM IS CONNECTED TO THE MANATEE COUNTY POTABLE WATER DISTRIBUTION SYSTEM. ALL NEW POTABLE WATER CONSTRUCTION SHALL MEET OR EXCEED MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS AND SHALL BE PRIVALELY OWNED AND MAINTAINED.
34. IRRIGATION WELLS WILL PROVIDE THE IRRIGATION WATER. SEE IRRIGATION PLANS.
35. SOLID WASTE DISPOSAL IS PROVIDED IN ACCORDANCE WITH MANATEE COUNTY PUBLIC WORKS.
36. THE STORMWATER MANAGEMENT SYSTEM CONSISTS OF INLETS WITH RELATED PIPING, POND, AND CONTROL STRUCTURE AND WILL BE DESIGNED IN ACCORDANCE WITH MANATEE COUNTY PUBLIC WORKS STANDARDS AND MEET THE REQUIREMENTS OF CHAPTER 40D-4 OR 40D-40 FAC (SWFWMD).
37. THERE ARE NO DESIGNATED PUBLIC USE AREAS ON THE SUBJECT SITE.
38. ALL LIGHT FIXTURES ON POLES, WALLS, CANOPIES AND OTHERWISE OUTDOORS WILL HAVE FULL HORIZONTAL CUT-OFF OPTICS TO COMPLY WITH LDC 709.
39. A 10' MINIMUM UTILITY EASEMENT SHALL BE LOCATED ALONG ALL FRONT LOT LINES AND A 5' UTILITY EASEMENT ALONG ALL SIDE AND REAR LOT LINES.

CONSTRUCTION NOTES

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH MANATEE COUNTY PUBLIC WORKS STANDARDS, ALL APPLICABLE CODE REQUIREMENTS, AND ALL PERMITS ISSUED FOR THE SUBJECT PROJECT.
2. THE CONTRACTOR SHALL NOTIFY FLORIDA ONE CALL, FPL, AND ALL UTILITY COMPANIES PRIOR TO THE START OF ANY WORK BOTH ON- SITE AND OFF-SITE SO THAT THE EXACT LOCATION OF EXISTING UTILITIES CAN BE DETERMINED AND ALL APPROPRIATE ADJUSTMENTS CAN BE MADE.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND CONTINUED SERVICE OF ALL EXISTING UTILITIES.
4. ALL FACILITIES HEREIN HAVE BEEN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
5. ALL TRAFFIC CONTROL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO FDOT AND MUTCD STANDARDS. CONTROL STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS.
6. ANY PROPOSED DEVIATIONS FROM THE APPROVED PLANS WILL BE REQUESTED IN WRITING AND APPROVAL GIVEN BY ALL PERMITTING AGENCIES AND THE ENGINEER OF RECORD.
7. ALL SURFACE WATER DISCHARGES SHALL COMPLY WITH ALL STATE WATER QUALITY STANDARDS AND ANY APPLICABLE REQUIREMENTS.
8. ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH CURRENT FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE ROADWAY AND TRAFFIC DESIGN STANDARD INDEX.
9. ALL SIGNING AND STRIPING WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 17346.
10. ALL RPM PLACEMENT WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 17352.
11. NO GROUND DISTURBING ACTIVITIES OR VEHICLE TRAVEL WILL OCCUR W/IN THE DRIP LINE OF THE EXISTING TREES THAT WILL BE PRESERVED.

14,105 S.F. OUTPARCEL DEVELOPMENT

PROJECT TEAM

OWNER/CLIENT:
CASTO
401 N. Cattlemen Road, Suite 108
Sarasota, FL 34232
(941) 552-4336
Fax: (941) 925-9562

CIVIL ENGINEER:
CAVOLI ENGINEERING, INC.
5824 Bee Ridge Road, #325
Sarasota, FL 34233
(941) 927-3647
Fax: (941) 927-3646

LANDSCAPE ARCHITECT:
DWJA Landscape Architects
630 S. Orange Ave., Suite 202
Sarasota, FL 34236
(941) 366-3159

SURVEYOR:
Point Break Surveying
7327 38th Ct. E.
Sarasota, FL 34243
(941) 378-4797
Fax: (941) 378-0058

INDEX OF DRAWINGS

1	COVER SHEET
2	AERIAL W/ SITE PLAN
3-4	EXISTING CONDITIONS / DEMOLITION PLAN
5-6	FINAL SITE PLAN
7	PAVING & GRADING PLAN
8	STORMWATER MANAGEMENT PLAN
9	SITE PLAN SECTIONS
10	STORMWATER MANAGEMENT DETAILS
11	SEDIMENT / EROSION CONTROL PLAN

MANATEE COUNTY

SCALE: N.T.S.
SECTION: 9
TOWNSHIP: 34S
RANGE: 18E
LATITUDE: 27° 31' 55"
LONGITUDE: 82° 30' 09"

LEGEND

EX MH	EXISTING MANHOLE	MH #5	PROPOSED MANHOLE
EX F. HYD.	EXISTING FIRE HYDRANT	FF 36.75	PROPOSED FINISH FLOOR ELEVATION
33X 91	EXISTING SPOT GRADE	FH #2	PROPOSED FIRE HYDRANT
	OVERLAND DRAINAGE FLOW DIRECTION	6" PVC WM (TYP)	PROPOSED WATER MAIN SIZE WITH SPECIFICATION (POLYVINYL CHLORIDE PIPE)
	PAVEMENT DRAINAGE FLOW DIRECTION	WM	PROPOSED WATER MAIN
54.00	PROPOSED SPOT GRADE		PROPOSED DOUBLE SANITARY SEWER SERVICE
D.E.	PROPOSED DRAINAGE EASEMENT		PROPOSED SINGLE SANITARY SEWER SERVICE
CB #5	PROPOSED CATCH BASIN		PROPOSED DOUBLE WATER SERVICE
JB	PROPOSED JUNCTION BOX		PROPOSED SINGLE WATER SERVICE
E/W W/ RIP-RAP INV. 29.05	PROPOSED END WALL WITH RIP-RAP AND INVERT	FM	PROPOSED FORCE MAIN
57 LF 36" RCP AT 1.72%	PROPOSED LINEAR FEET OF REINFORCED CONCRETE PIPE AND SLOPE PERCENTAGE	(TYP)	TYPICAL
INV.	PROPOSED INVERT		PROPOSED HANDICAP PARKING SPACE
BM	BENCHMARK	6" CL. MIN.	6" CLEAR MINIMUM
	SEASONAL HIGH/NORMAL WATER LINE		DRAINAGE BASIN
	PROPOSED RIGHT-OF-WAY		PROPOSED EASEMENT (SEE PLANS FOR TYPE)

CAVOLI Engineering, Inc.
Consulting Civil Engineers
FL Cert. of Auth. No. 8875
5824 Bee Ridge Road, #325, Sarasota, FL 34233
(941) 927-3647
Fax: (941) 927-3646
email: caveliengineer@aol.com

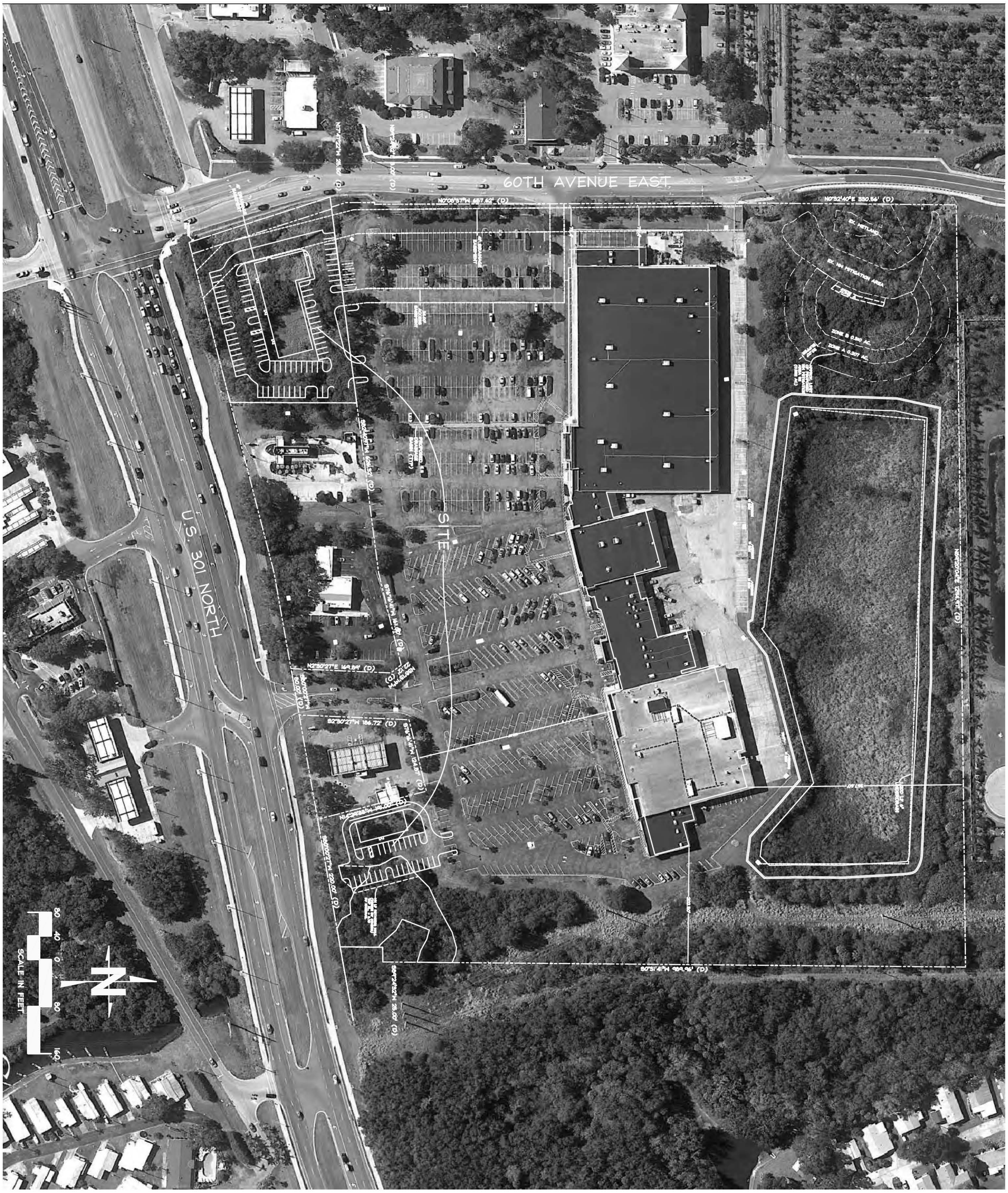
APPROVAL TYPE: FINAL SITE/CONSTRUCTION PROJECT NAME: NORTH RIVER VILLAGE OUTPARCELS

APPROVED: _____ DATE DTS 20120198 PDC-86-17/FSP-12-18 FILE NUMBER

PROJECT PLANNER (PD) _____
PROJECT ENGINEER (PW) _____
CONCURRENCY (PD) _____
NATURAL RESOURCES DEPT. _____
ENVIRONMENTAL HEALTH _____
FIRE DISTRICT _____
OWNER/AGENT _____

ATTENTION: THE COMBINATION OF THIS SIGNED PLAN AND ACCOMPANYING APPROVAL LETTER CONSTITUTES THE COMPLETE APPROVAL DOCUMENT. BOTH DOCUMENTS SHOULD BE PROVIDED TO INTERESTED PARTIES AND SUBMITTED WITH ANY BUILDING PERMIT APPLICATION.

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692



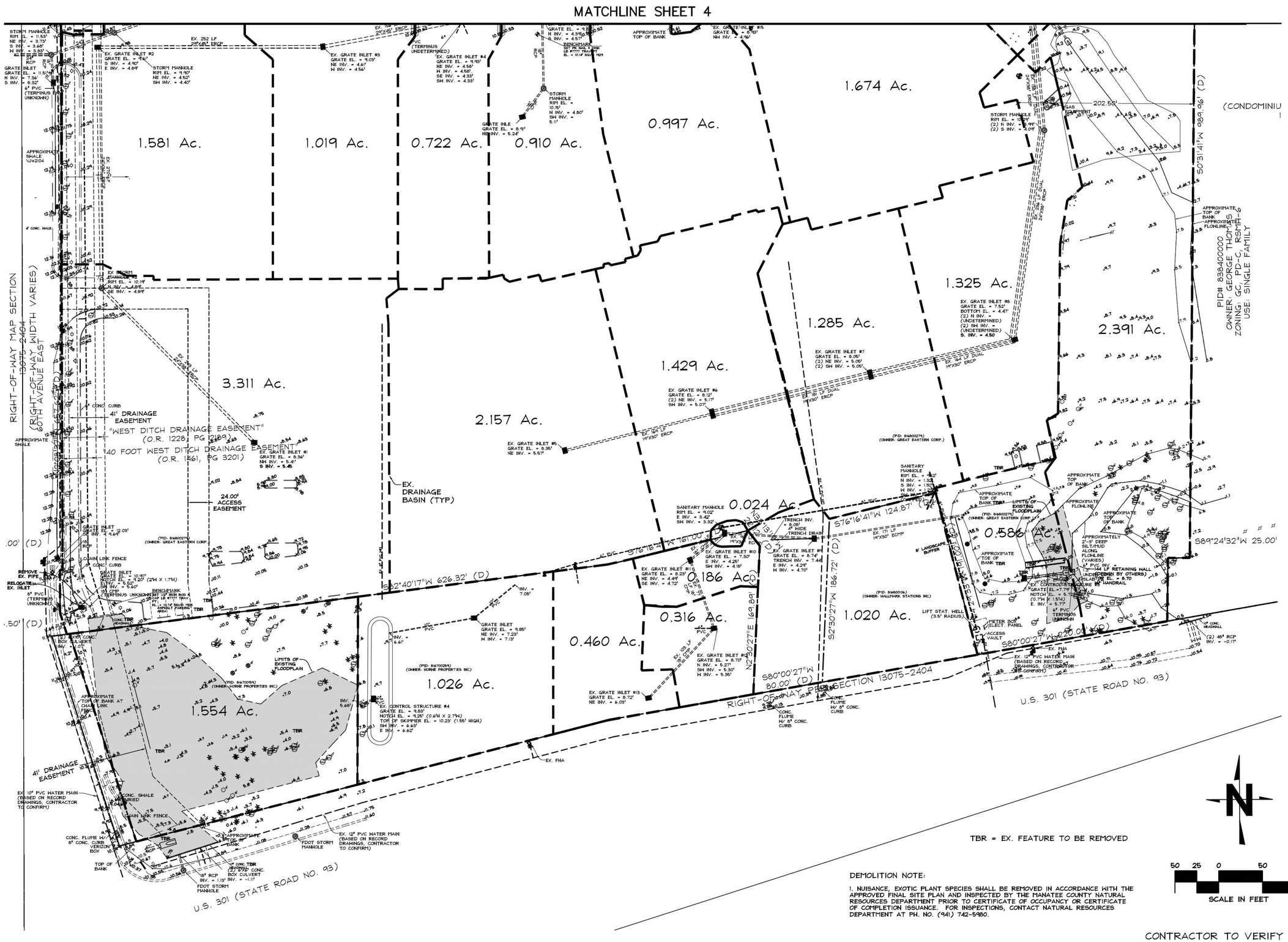
DRAWN	REH
CHECKED	JFC
DATE	5/11/12
SCALE	1" = 80'
JOB NO.	CST001
SHEET	2

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC
PROJECT: NORTH RIVER VILLAGE OUTPARCELS
SHEET: AERIAL W/ SITEPLAN

CAVOLI Engineering, Inc.
Consulting Civil Engineers
FL Cert. of Auth. No. 8875
5824 Bee Ridge Road, #325, Sarasota, FL 34233
(941) 927-3647
Fax: (941) 927-3646
email: cavoliengineer@aol.com



DEMOLITION NOTE:

1. NUISANCE, EXOTIC PLANT SPECIES SHALL BE REMOVED IN ACCORDANCE WITH THE APPROVED FINAL SITE PLAN AND INSPECTED BY THE MANATEE COUNTY NATURAL RESOURCES DEPARTMENT PRIOR TO CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION ISSUANCE. FOR INSPECTIONS, CONTACT NATURAL RESOURCES DEPARTMENT AT PH. NO. (941) 742-5980.

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

CAVOLI Engineering, Inc.
Consulting Civil Engineers
FL Cert. of Auth. No. 8875
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

PROJECT: NORTH RIVER VILLAGE OUTPARCELS

SHEET: EXISTING CONDITIONS/DEMOLITION PLAN

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
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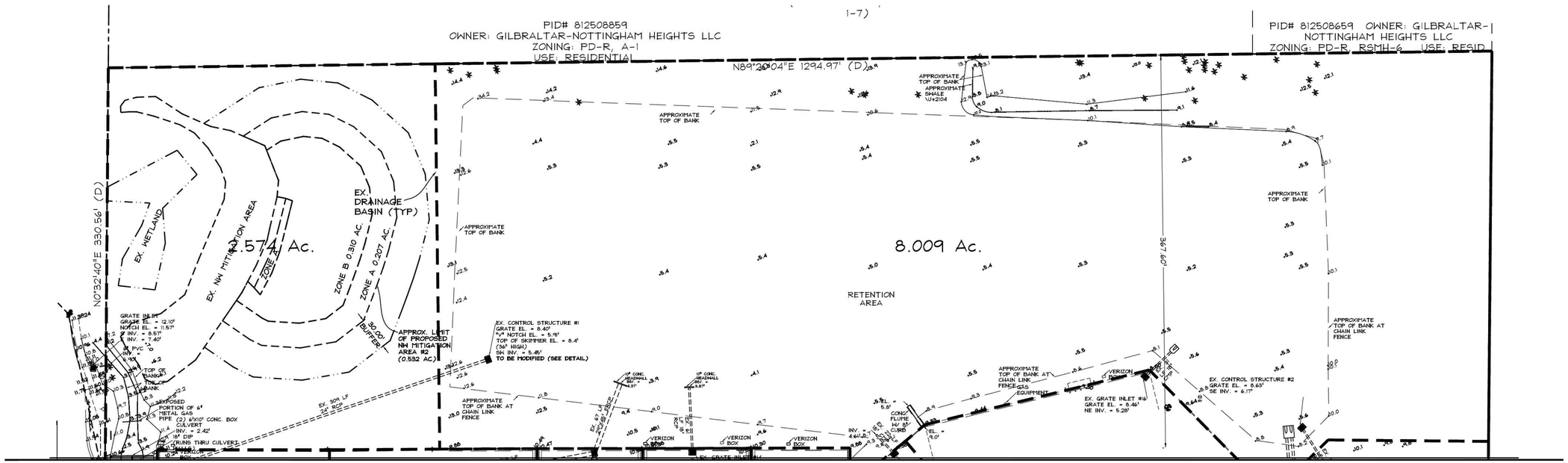
DATE	5/11/12
SCALE	1"=50'
JOB NO.	CST001
SHEET	3



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N

50 25 0 50 100

SCALE IN FEET

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FL Cert. of Auth. No. 8675
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(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

PROJECT: NORTH RIVER VILLAGE OUTPARCELS

SHEET: EXISTING CONDITIONS/DEMOLITION PLAN

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

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CHECKED	JFC
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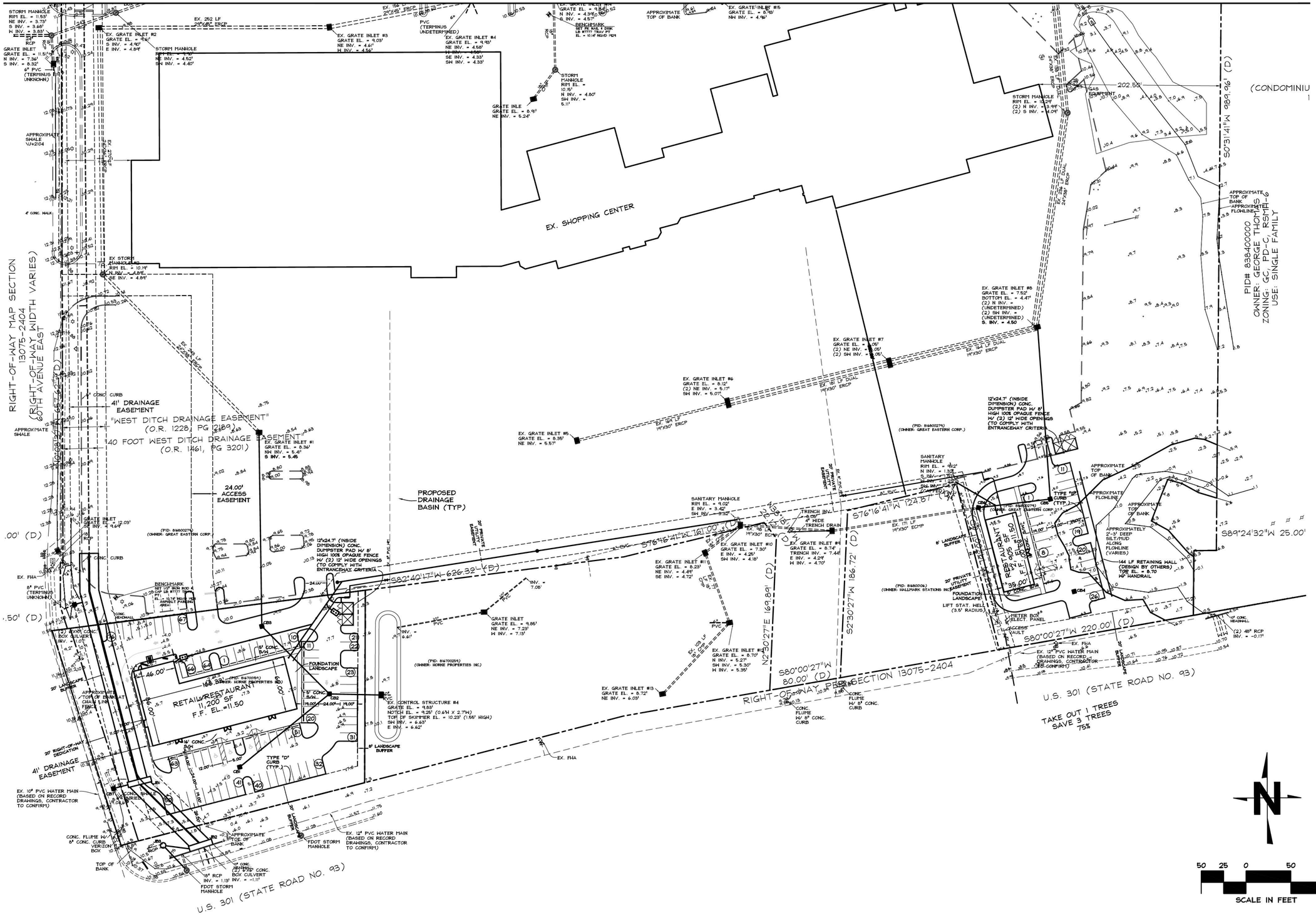
MATCHLINE SHEET 6



CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

AVOLI Engineering, Inc.
Consulting Civil Engineers
Ft. Cert. of Auth. No. 8815
5824 Bee Ridge Road, #225, Sarasota, FL 34233-5065 email: info@avolieng.com
(941) 927-3447
Fax: (941) 927-3446

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

PROJECT: NORTH RIVER VILLAGE OUTPARCELS

SHEET: FINAL SITE PLAN

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

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CHECKED	JFC
DATE	5/11/12
SCALE	1"=50'
JOB NO.	CST001
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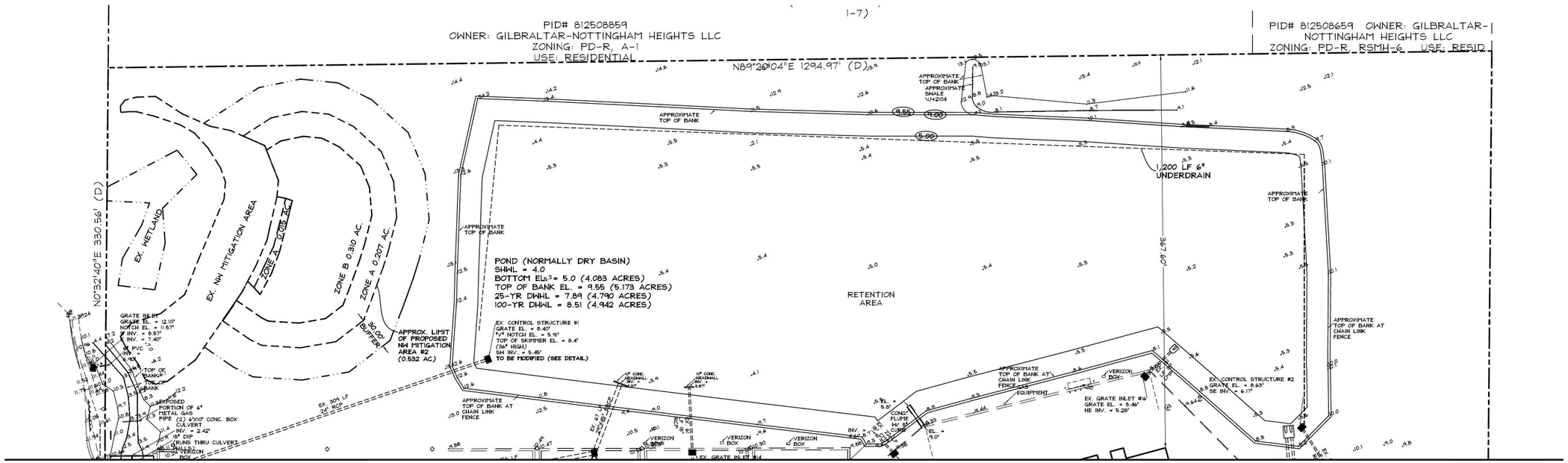

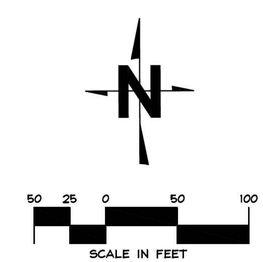

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

CAVOLI Engineering, Inc.
Consulting Civil Engineers
FL Cert. of Auth. No. 8875
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC
PROJECT: NORTH RIVER VILLAGE OUTPARCELS
SHEET: FINAL SITE PLAN

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
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CHECKED	JFC
DATE	5/11/12
SCALE	1"=50'
JOB NO.	CST001
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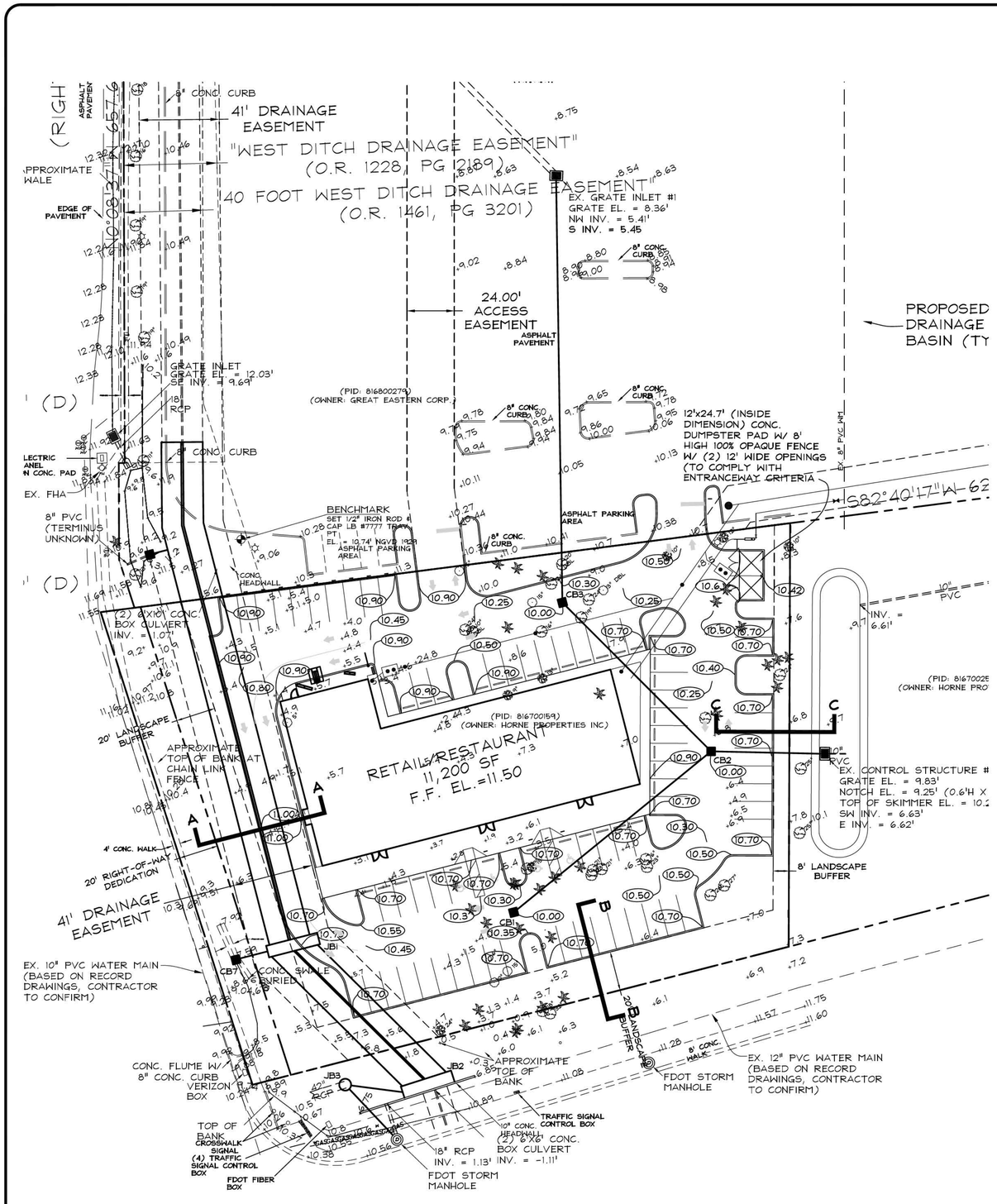
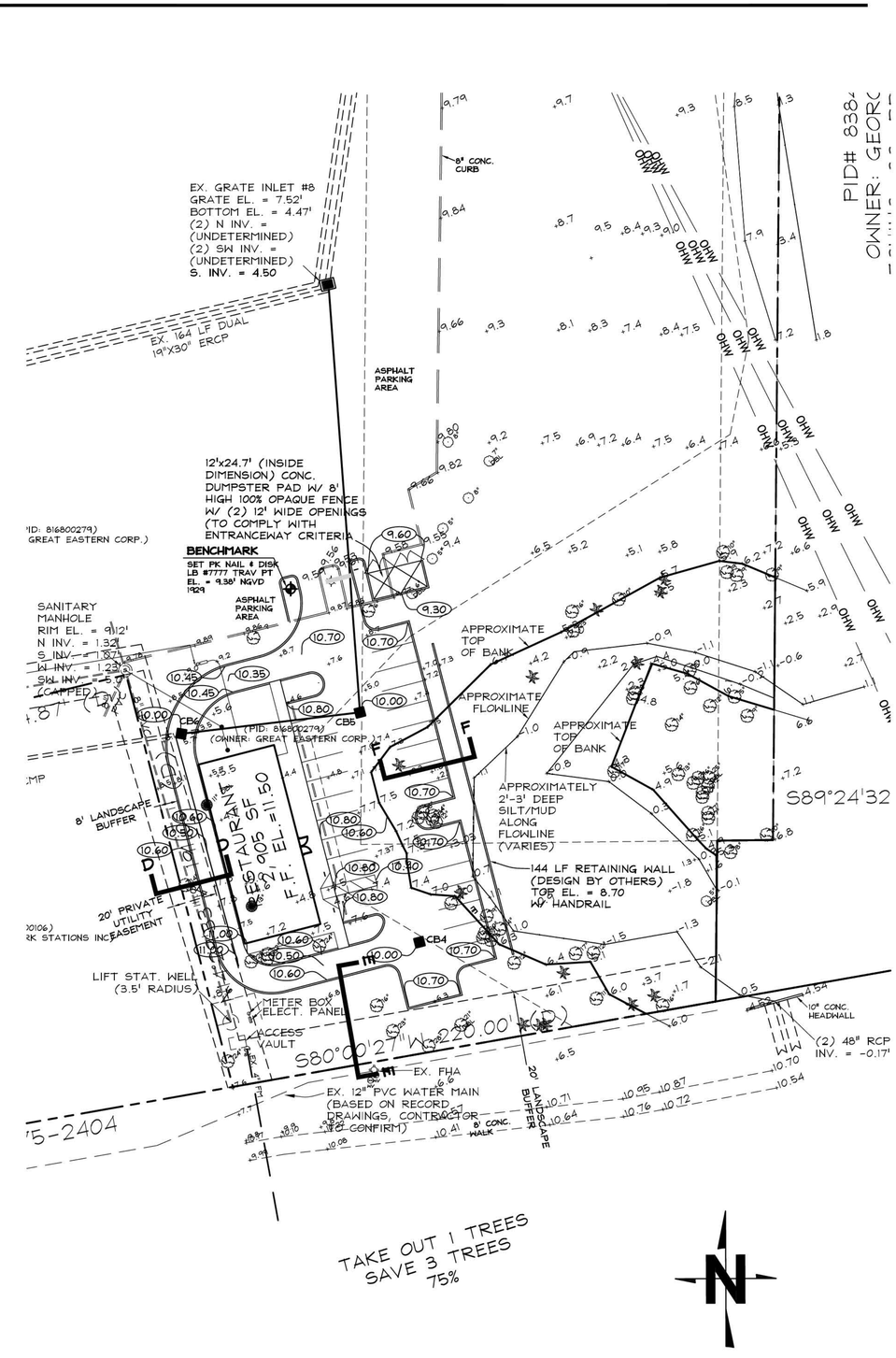
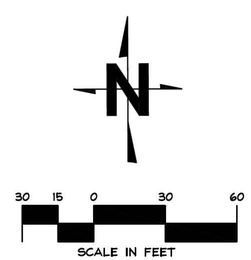




TAKE OUT 1 TREES
SAVE 3 TREES
75%



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5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

PROJECT: NORTH RIVER VILLAGE OUTPARCELS

SHEET: PAVING & GRADING PLAN

NO.	REVISIONS	DATE	BY
1	Per County Comments	9/11/12	JFC

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
CHECKED	JFC
DATE	5/11/12
SCALE	1"=30'
JOB NO.	CST001
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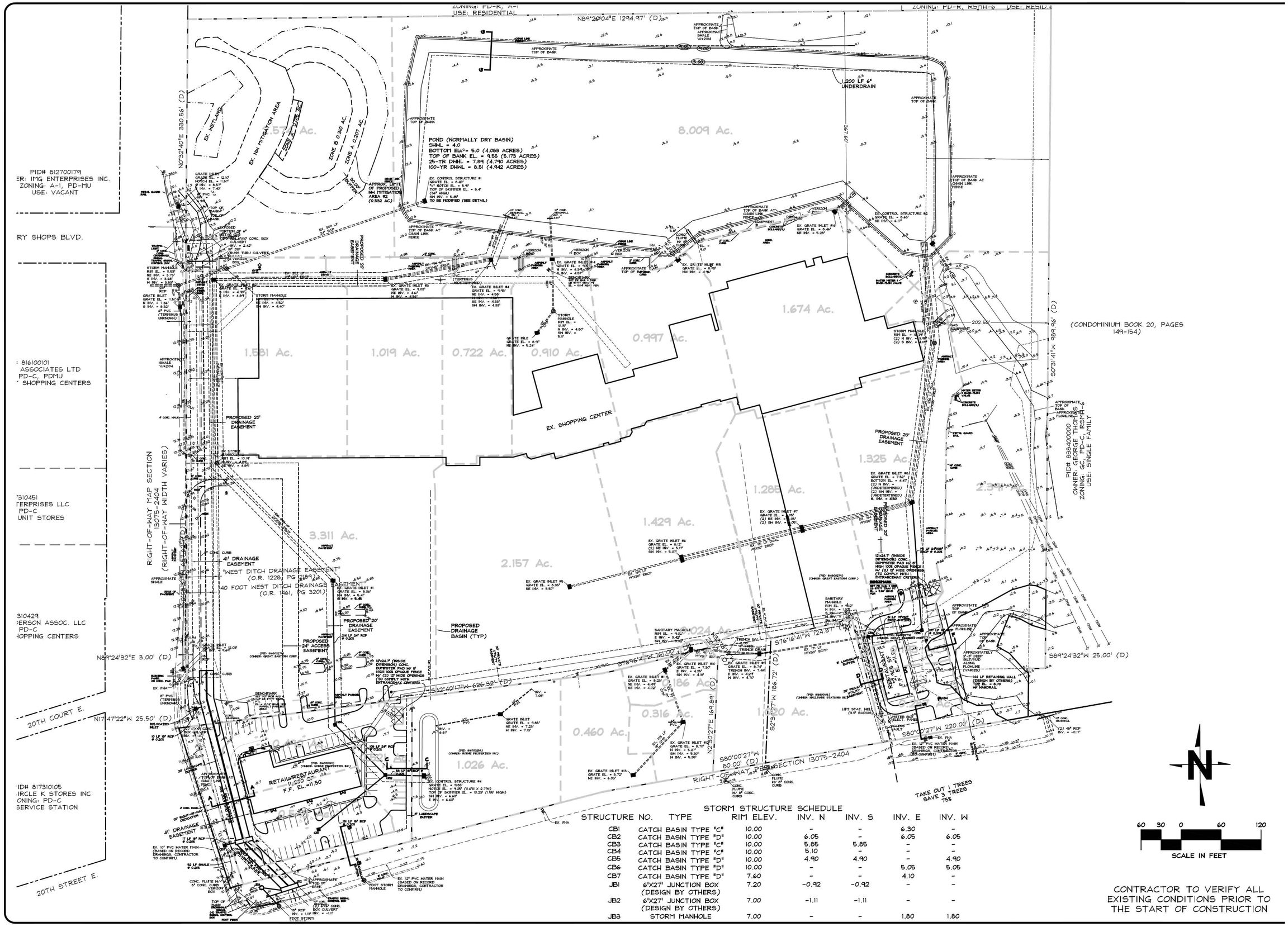


STORM STRUCTURE SCHEDULE

STRUCTURE NO.	TYPE	RIM ELEV.	INV. N	INV. S	INV. E	INV. W
CB1	CATCH BASIN TYPE "C"	10.00	-	-	6.30	-
CB2	CATCH BASIN TYPE "D"	10.00	6.05	-	6.05	6.05
CB3	CATCH BASIN TYPE "C"	10.00	5.85	5.85	-	-
CB4	CATCH BASIN TYPE "C"	10.00	5.10	-	-	-
CB5	CATCH BASIN TYPE "D"	10.00	4.90	4.90	-	4.90
CB6	CATCH BASIN TYPE "D"	10.00	-	-	5.05	5.05
CB7	CATCH BASIN TYPE "D"	7.60	-	-	4.10	-
JB1	6'X27' JUNCTION BOX (DESIGN BY OTHERS)	7.20	-0.92	-0.92	-	-
JB2	6'X27' JUNCTION BOX (DESIGN BY OTHERS)	7.00	-1.11	-1.11	-	-
JB3	STORM MANHOLE	7.00	-	-	1.80	1.80

60 30 0 60 120
SCALE IN FEET

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

CAVOLI Engineering, Inc.
Consulting Civil Engineers
Ft. Cert of Auth. No. 8875
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3847
Fax: (941) 927-3846
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

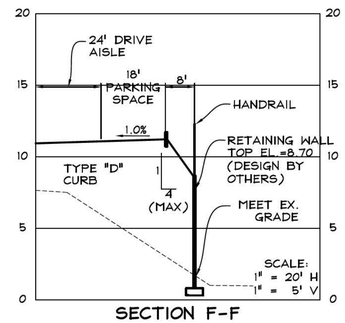
PROJECT: NORTH RIVER VILLAGE

SHEET: STORMWATER MANAGEMENT PLAN

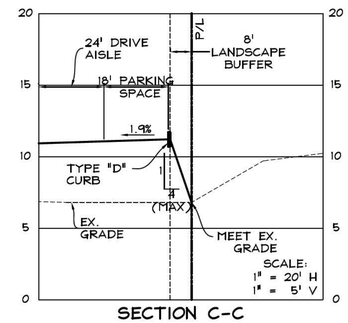
NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
CHECKED	JFC
DATE	5/11/12
SCALE	1"=60'
JOB NO.	CST001
SHEET	8



SECTION F-F



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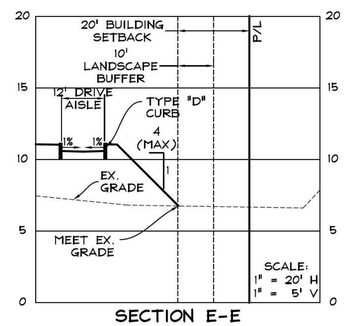

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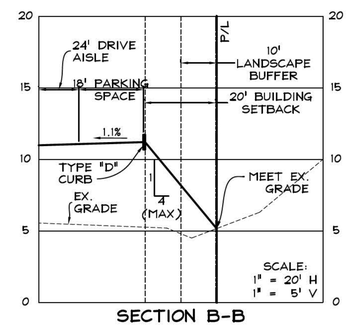
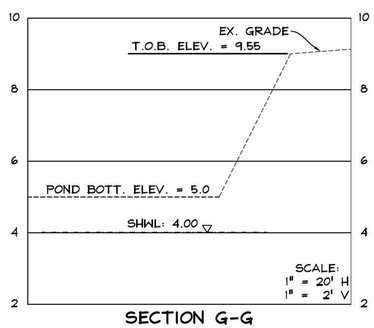
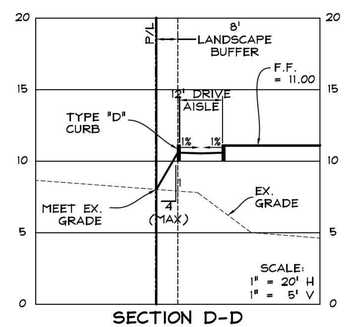


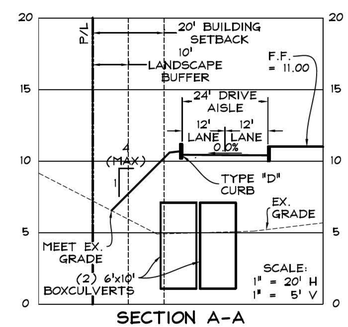
SECTION B-B



SECTION G-G



SECTION D-D



SECTION A-A

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

CAVOLI Engineering, Inc.
Consulting Civil Engineers
FL Cert. of Auth. No. 8675
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC

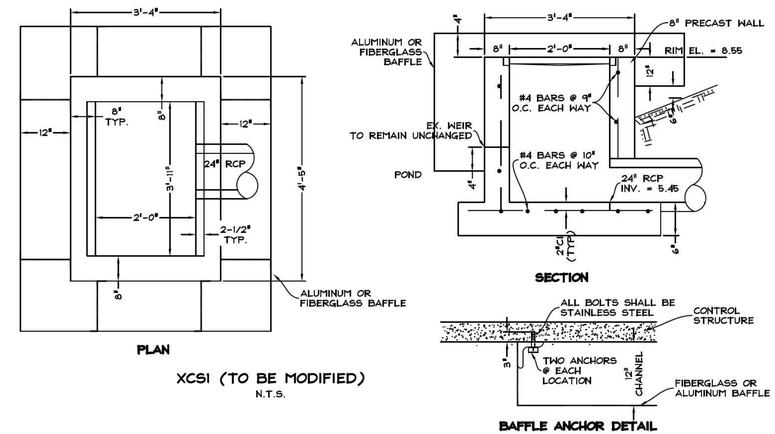
PROJECT: NORTH RIVER VILLAGE OUTPARCELS

SHEET: SITE PLAN SECTIONS

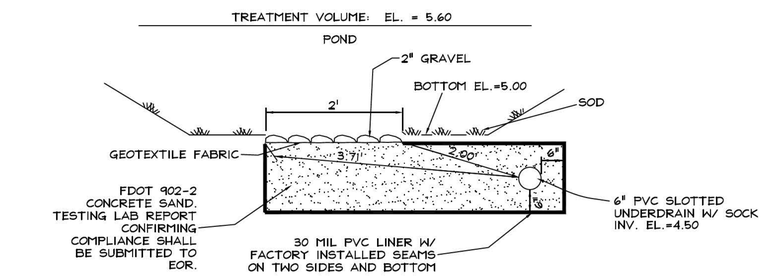
NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
CHECKED	JFC
DATE	5/11/12
SCALE	AS NOTED
JOB NO.	CST001
SHEET	9



XCSI (TO BE MODIFIED)
N.T.S.



NOTE:

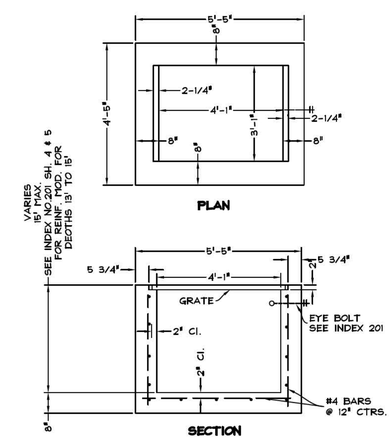
CONTRACTOR SHALL SUPPLY ENGINEER-OF-RECORD (EOR) WITH A PERMEABILITY ANALYSIS OF THE FILTER MATERIAL DELIVERED TO THE SITE PRIOR TO CONSTRUCTION OF THE UNDERDRAIN.

CALCIUM CARBONATE IS NOT AN ACCEPTABLE FILTER MATERIAL. FILTER MEDIA WILL HAVE A UNIFORMITY COEFFICIENT OF 1.5 OR GREATER AND HAVE AN EFFECTIVE GRAIN SIZE OF 0.20 MM TO 0.55 MM IN DIAMTER IN ACCORDANCE WITH THE S.W.F.W.M.D. CRITERIA

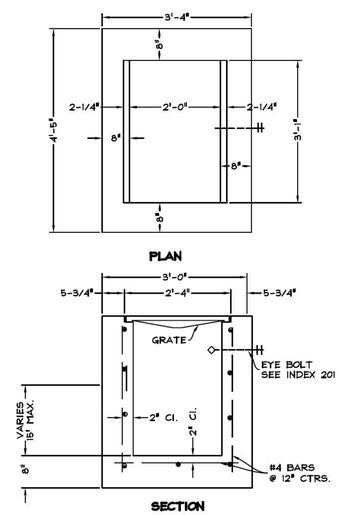
PERMEABILITY SHALL BE 5 FT/HR (MIN.)

UNDERDRAIN DETAIL

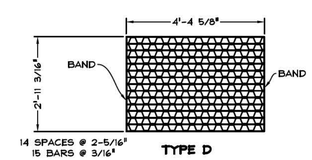
N.T.S.



TYPE D (GRATE INLET)
RECOMMENDED MAXIMUM PIPE SIZE:
3'-1" WALL-24" PIPE
4'-1" WALL-36" PIPE

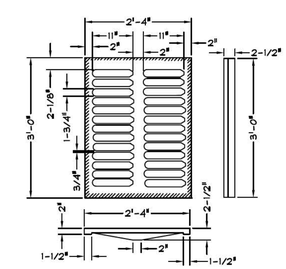


TYPE C (GRATE INLET)
RECOMMENDED MAXIMUM PIPE SIZE:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

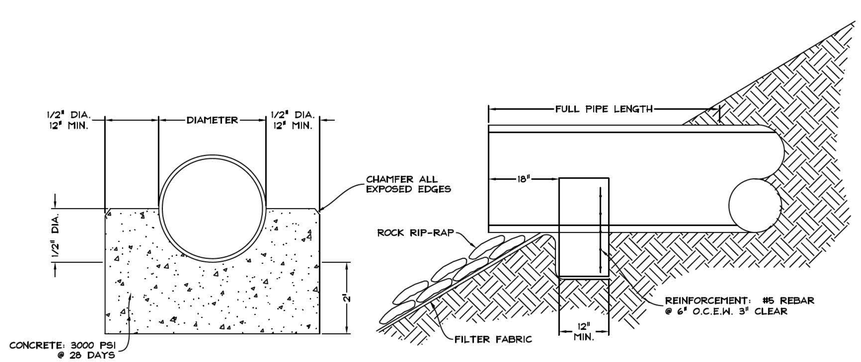


TYPE D
STRAIGHT BARS 2"x3/16"
RETICULINE BARS 1 1/4"x3/16"
BANDS 1 1/2"x1/4"
APPROX. WEIGHT 180 LBS.

NOTE:
ALL GRATES TO BE H-20 LOADING



TYPE C
APPROX. WEIGHT 235 LBS.



PIPE SUPPORT DETAIL
N.T.S.

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

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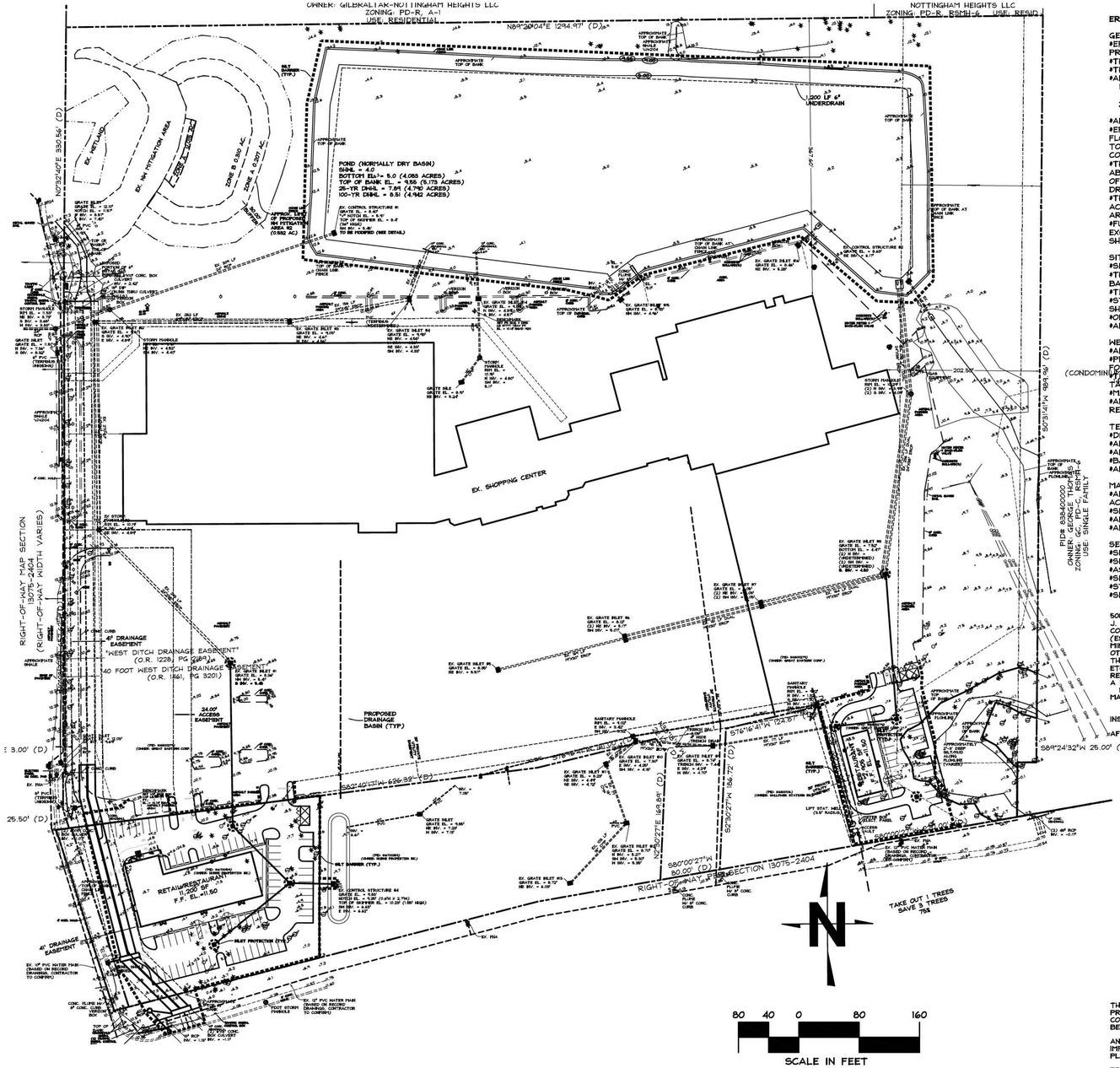
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
(941) 927-3647
Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC
PROJECT: NORTH RIVER VILLAGE OUTPARCELS
SHEET: STORM WATER MANAGEMENT DETAILS

NO.	REVISIONS	DATE	BY

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
CHECKED	JFC
DATE	5/11/12
SCALE	N.T.S.
JOB NO.	CST001
SHEET	10



EROSION CONTROL NOTES

GENERAL:
•EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION BY THE CONTRACTOR. SITE SPECIFIC BEST MANAGEMENT PRACTICES SHALL PREVENT SEDIMENT AND OTHER HARMFUL CONTAMINATES FROM ENTERING THE STORM WATER MANAGEMENT SYSTEM AND ADJACENT PROPERTIES.
•THE EFFECTIVENESS OF THE SEDIMENT AND EROSION CONTROL PRACTICES/BMP'S SHALL BE CHECKED DAILY DURING CONSTRUCTION BY THE CONTRACTOR.
•THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION ENTERING THE STORM WATER MANAGEMENT SYSTEM AND/OR ANY ON-SITE OR OFF-SITE DRAINAGE AREAS.
•ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE VERIFIED AND INSPECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
1. CONTRACTOR SHALL STAKE EROSION & SEDIMENT CONTROL DEVICE LOCATIONS AND CONTACT MANATEE COUNTY NATURAL RESOURCES DEPARTMENT TO INSPECT STAKED LOCATIONS.
2. ONCE EROSION & SEDIMENT CONTROL DEVICES HAVE BEEN INSTALLED CONTRACTOR SHALL CONTACT MANATEE COUNTY NATURAL RESOURCES DEPARTMENT FOR A SECOND INSPECTION TO INSURE ADEQUACY.
•ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE EXISTING CONDITION, OR BETTER, TO THE SATISFACTION OF THE OWNER.
•EROSION/SEDIMENT CONTROL BMP'S IN ADDITION TO THOSE PRESENTED ON THE PLANS SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTY OR ROADWAYS. CONTROLS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED AS REQUIRED BY THE ENGINEER AND/OR CONTRACTOR TO ENSURE SURFACE WATER QUALITY CONDITIONS ARE IN COMPLIANCE WITH STATE WATER QUALITY STANDARDS, AND CHAPTER 54, ARTICLE VII OF THE SARASOTA COUNTY CODE OF ORDINANCES TITLES WATER POLLUTION CONTROL.
•THE CONTRACTOR OR ENGINEER SHALL REPORT ALL OFFSITE SURFACE WATER DISCHARGES WITH TURBIDITY IN EXCESS OF 29 NTU'S (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL TO AIR AND WATER QUALITY WITHIN 24 HOURS AFTER ACCURRENCE (941-861-6220 OR FAX 941-861-6270). NOTIFICATION SHALL INCLUDE CAUSE OF THE PROBLEM, CORRECTIVE ACTIONS TAKEN, AND INSTALLATION OF ADDITIONAL EROSION/SEDIMENT CONTROLS NOT SHOWN ON THE APPROVED CONSTRUCTION PLAN DRAWINGS.
•THE CONTRACTOR OR ENGINEER SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORANCE WITH RULE 62-296.320(4)(c)1., FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE AFFECTED AREAS.
•FUEL AND OTHER PETROLEUMPRODUCT SPILLS THAT ENTER STORM WATER DRAINAGE OR WATER BODIES, OR FUEL AND OTHER PRETOLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP AND REPORTED IMMEDIATELY TO AIR AND WATER QUALITY (941-861-6220). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.

SITE GRADING PRACTICES:
•SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH MOVING ACTIVITIES.
•THE CONTRACTOR SHALL MINIMIZE IMPACT TO AREAS WHICH ARE TO REMAIN UNDISTURBED. ALL AREAS TO REMAIN SHALL BE PROTECTED ACCORDINGLY (TREE BARRICADES, ETC.).
•TEMPORARY DEWATERING BASINS SHALL BE CONSTRUCTED PRIOR TO STORM WATER MANAGEMENT LAKE EXCAVATION.
•STOCKPILED AREAS SUCH AS TOPSOIL SHALL BE PLACED AND PROTECTED SO AS TO LIMIT SEDIMENT RUNOFF. ANY STOCKPILED MATERIAL NOT USED WITHIN 30 DAYS SHALL BE STABILIZED.
•ORGANIC MATERIAL AND DEBRIS SHALL BE DISPOSED OF ACCORDINGLY.
•ALL SLOPES SHALL BE IN ACCORDANCE WITH THE PLANS AND STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.

WETLAND PROTECTION:
•ALL WETLANDS AND BUFFERS SHALL BE IDENTIFIED AND DELINEATED PRIOR TO THE START OF CONSTRUCTION.
•PRIOR TO PERFORMING ANY WORK WITHIN THE WETLAND DRAINAGE BASIN, ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON THE PLANS.
•TEMPORARY AND/OR PERMANENT IMPACTS TO WETLANDS AND/OR BUFFERS SHALL BE MINIMIZED. THESES AREAS WILL BE CLEARLY DEFINED AND APPROPRIATE MEASURES TAKEN TO ENSURE NO ADDITIONAL AREAS ARE AFFECTED.
•MATERIAL FROM IMPACTED AREAS SHALL BE STOCKPILED AND USED IN THE RESTORATION OF SUCH AREAS.
•ANY ADDITIONAL IMPACTS OR DAMAGE TO WETLANDS AND BUFFER SHALL BE IDENTIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF THE ADDITIONAL IMPACTS OR DAMAGE.

TEMPORARY DEWATERING BASINS (IF REQUIRED):
•DEWATERING BASINS SHALL BE PROVIDED TO ENSURE NO OFF-SITE DISCHARGE VIOLATE TURBIDITY STANDARDS.
•ALL TEMPORARY DEWATERING BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS.
•ALL BASIN SLOPES SHALL BE A MAXIMUM OF 4:1 HORIZONTAL TO VERTICAL.
•BASIN OUTFALL PIPE TO HAVE EITHER A RISER STRUCTURE WITH SKIMMER OR PROVIDE A MEANS OF FILTERING WATER PRIOR TO DISCHARGE.
•ALL EMBANKMENTS SHALL BE COMPACTED AND STABILIZED TO PREVENT BREACHING.

MAINTENANCE OF SEDIMENT AND EROSION CONTROL PRACTICES:
•ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY AND/OR AFTER ANY STORM EVENT FOR INTEGRITY AND REPAIRED AND/OR REPLACED ACCORDINGLY IF SIGNS OF FAILURE ARE OBSERVED.
•SEDIMENT SHALL BE REMOVED FROM ALL SUMP AREAS AS NECESSARY TO MAINTAIN REQUIRED VOLUMES.
•ALL SEDIMENT AND EROSION CONTROL MEASURES WILL REMAIN IN PLACE UNTIL ALL STABILIZATION HAS BEEN COMPLETED.
•ANY EROSION EXPERIENCED UPON REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES WILL BE STABILIZED IMMEDIATELY.

SEQUENCING PLAN:
•SITE PERIMETER SILT FENCE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
•SILT FENCE IN ROADSIDE SWALES TO BE INSTALLED PRIOR TO DEWATERING OR INITIATION OF ANY RIGHT-OF-WAY IMPROVEMENTS.
•AS INLETS WITH PIPING ARE CONSTRUCTED, INLET PROTECTION WILL BE INSTALLED.
•SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED DAILY FOR PROPER OPERATION.
•STABILIZATION MEASURES WILL BE INITIATED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
•SEDIMENT AND EROSION CONTROL MEASURES WILL BE REMOVED ONLY UPON COMPLETION OF ALL STABILIZATION MEASURES.

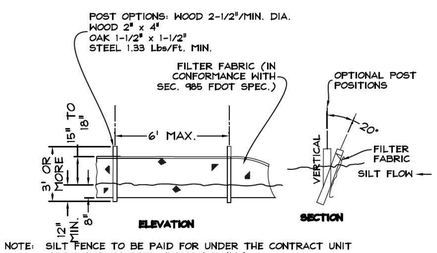
508.3.4.7
J. EROSION AND SEDIMENT CONTROL PLAN (ESCP). PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AUTHORIZED WITH FINAL SITE PLAN AND CONSTRUCTION PLAN APPROVALS PURSUANT TO THIS CODE, THE DEVELOPER SHALL BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN (ESCP) TO THE EMD FOR REVIEW AND APPROVAL. THE PLAN SHALL IDENTIFY CONSTRUCTION SEQUENCING, BEST MANAGEMENT PRACTICES (BMPS) TO MINIMIZE EROSION AND SEDIMENTATION AND TO MANAGE THE QUALITY AND QUANTITY OF STORMWATER RUNOFF DURING AND AFTER CONSTRUCTION, AND OTHER PRACTICES EMPLOYED TO MINIMIZE FUGITIVE PARTICULATE EMISSIONS DURING AND AFTER CONSTRUCTION. GENERALLY, PROJECTS THAT ARE GREATER THAN FIVE (5) ACRES AND SMALLER PROJECTS WITH MAJOR LAND DISTURBANCES, (I.E. STOCKPILING, EXCAVATION OF OVERSIZED LAKES, FILING OF LOTS, ETC.) ARE SUBJECT TO THIS REQUIREMENT. REDEVELOPMENT PROJECTS OR PROJECTS WITH MINOR IMPROVEMENTS MAY NOT BE SUBJECT TO THIS REQUIREMENT. THE EMD DIRECTOR OR DESIGNEE MAY, AT HIS/HER DISCRETION, WAIVE THIS REQUIREMENT ON A CASE BY CASE BASIS. THE ESCP SHALL AT A MINIMUM INCLUDE THE FOLLOWING INFORMATION:
1. DETAILS OF CONSTRUCTION SEQUENCING, DEWATERING ACTIVITIES AND SUMP LOCATIONS, STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS.
THE SEQUENCING PLAN SHALL PROCEED AS THE FOLLOWING: THE PERIMETER SILT FENCE SURROUNDING THE SITE SHALL BE INSTALLED PRIOR TO ANY EARTHMOVING ACTIVITIES. THE INLET PROTECTION ELEMENTS SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE INSTALLATION OF THE STORM WATER INLETS WITH THEIR ASSOCIATED PIPING. UPON THE COMPLETION OF FINAL GRADING, STABILIZATION MEASURES WILL BE INITIATED. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER STABILIZATION HAS TAKEN PLACE.
A. DESCRIPTION OF LAND CLEARING/DISTURBING ACTIVITIES, EXISTING SITE CONDITIONS AND ADJACENT LAND USES/AREAS THAT MIGHT BE AFFECTED BY LAND CLEARING/DISTURBANCES.
CLEARING AND GRUBBING WILL TAKE PLACE AT THE SITE. EXISTING SITE CONDITIONS INCLUDE A VERY LEVEL SITE WITH SOME TREES.
B. IDENTIFICATION OF STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS.
N/A NO EXCAVATED MATERIAL
C. DESCRIPTION OF POTENTIAL ON-SITE PROBLEM AREAS SUCH AS STEEP GRADE CHANGES, HIGHLY ERODIBLE SOILS, AREAS ADJACENT TO WETLANDS, SURFACE WATERS, OR UPLAND PRESERVATION AREAS.
N/A-NO STEEP GRADE CHANGES, HIGHLY ERODIBLE SOILS, AREAS ADJACENT TO WETLANDS OR UPLAND PRESERVATION AREAS ARE PROPOSED.
PRECAUTION TO TAKE PLACE W/ WATER QUALITY AS LISTED IN THE ENVIRONMENTAL REPORT.
D. CONSTRUCTION SCHEDULING, INCLUDING THE EXPECTED STARTING AND STABILIZATION DATES.
THE ANTICIPATED START DATE OF CONSTRUCTION IS JULY 2007 AND THE ANTICIPATED COMPLETION OF ALL STABILIZATION IS JULY 2008 OR WITHIN THREE YEARS OF APPROVAL OF THE PROPOSED SITE PLAN.
E. IDENTIFICATION OF DISTURBED AREAS WHERE CONSTRUCTION WILL NOT BE ONGOING, AND FINAL GRADE WILL NOT BE ACHIEVED WITHIN FOURTEEN (14) DAYS, AND AN INDICATION OF TEMPORARY STABILIZATION MEASURES.
ANY AREAS OR STOCKPILES THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN FOURTEEN (14) DAYS SHALL BE TEMPORARILY SEEDED.
2. DETAILS OF BEST MANAGEMENT PRACTICES AND FUGITIVE PARTICULATE ABATEMENT METHODS.
A. DETAILS, DRAWINGS AND CROSS-SECTIONS OF EROSION AND SEDIMENT CONTROL DEVICES, IF DIFFERENT FROM THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS, AND WHEN THEY WILL BE INSTALLED.
SEE SEDIMENT/EROSION CONTROL PLAN IN THE FINAL SITE PLAN/CONSTRUCTION PLANS.
B. MAINTENANCE PROGRAM FOR EROSION AND SEDIMENT CONTROL DEVICES INCLUDING INSPECTION FREQUENCY AND MAINTENANCE ACTIVITIES.
EROSION AND SEDIMENTATION DEVICES SHALL BE INSPECTED DAILY TO ENSURE PROPER OPERATION AND AFTER EVERY STORM EVENT.
C. HAUL ROUTES AND DETAILS OF APRON STABILIZATION AT INGRESS/EGRESS POINTS TO RIGHTS-OF-WAY.
HAUL ROUTES WILL BE DETERMINED BY THE CONTRACTOR. APRON STABILIZATION.
D. DETAILS/LOCATION OF EQUIPMENT WASHING AREA.
THE EQUIPMENT WASHING AREA SHALL BE LOCATED AT THE EDGE OF THE PROPERTY LINE CLOSEST TO THE ENTERANCE/EXIT AREA. IT WILL CONSIST OF A 12'X 50' GRAVEL FILLED AREA.
E. DETAILS OF FUGITIVE PARTICULATE ABATEMENT METHODS.
FUGITIVE PARTICULATE SHALL BE CONTAINED BY THE MEASURES, MAINLY SILT FENCE, SHOWN ON THE PLANS. FURTHERMORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE A CLEAN SITE BY MONITORING THE EFFECTIVENESS OF THE SILT FENCE. A WATER TRUCK SHALL BE AVAILABLE TO CONTROL DUST ON-SUTE.
F. CONTRACTOR INFORMATION, INCLUDING A TWENTY-FOUR-HOUR, SEVEN-DAY CONTACT AND PHONE NUMBERS.
WILL BE PROVIDED ONCE A CONTRACTOR HAS BEEN CHOSEN.
3. DETAILS OF DEWATERING ACTIVITIES AND LOCATIONS, DRAWINGS AND CROSS-SECTIONS OF DEWATERING SUMPS.
PER DETAILS SHOWN HEREON.
4. WATER QUALITY MONITORING PLAN AND MONITORING STATIONS (IF APPLICABLE).
SEE THE ENVIRONMENTAL REPORT FOR DETAILS.

THE DEVELOPER SHALL BE RESPONSIBLE FOR SCHEDULING AN ON-SITE MEETING WITH STAFF FROM THE MANATEE COUNTY ENVIRONMENTAL MANAGEMENT AND PROJECT MANAGEMENT DEPARTMENTS, THE ENGINEER OF RECORD AND THE CONTRACTOR. FINAL APPROVAL OF THE ESCP AND AUTHORIZATION OF CONSTRUCTION WILL BE GRANTED ONLY AFTER AN ON-SITE MEETING HAS BEEN CONDUCTED. NECESSARY REVISIONS, AS DETERMINED BY EMD STAFF, SHALL BE MADE PRIOR TO FINAL APPROVAL OF THE ESCP.

ANY CHANGES TO THE APPROVED ESCP MUST BE SUBMITTED TO THE EMD BY THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION. CHANGES THAT QUALIFY AS AN AMENDMENT TO THE FINAL SITE PLAN AND/OR CONSTRUCTION PLANS MUST BE APPROVED BY THE PLANNING DEPARTMENT PRIOR TO IMPLEMENTATION.

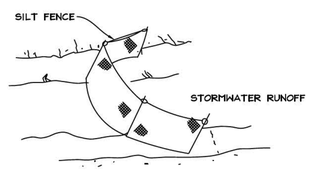
PRIOR TO SCHEDULING THE ON-SITE MEETING THE DEVELOPER SHALL:
1. OBTAIN ALL APPLICABLE APPROVALS (FINAL SITE PLAN, CONSTRUCTION PLANS, ENVIRONMENTAL RESOURCE PERMIT AND NPDES PERMIT).
2. STAKE THE BOUNDARIES OF THE WETLAND BUFFERS, UPLAND PRESERVATION AREAS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS, AS INDICATED ON THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS.
3. STAKE ALL SILT SCREEN LOCATIONS EVERY ONE HUNDRED (100) FEET, AS INDICATED ON THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS.

K. SUCH ADDITIONAL MATERIAL AND INFORMATION AS THE DIRECTOR MAY REASONABLY REQUIRE.

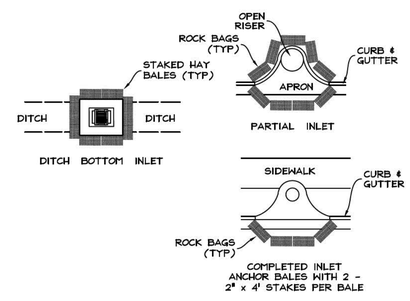


NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

TYPE III SILT FENCE
N.T.S.



SILT FENCE PROTECTION IN DITCHES WITH INTERMITTENT FLOW
N.T.S.



INLET PROTECTION
N.T.S.

I, _____ HAVE REVIEWED THE PROPOSED SEDIMENT / EROSION CONTROL PLAN AND AGREE TO TAKE RESPONSIBILITY THAT ALL BEST MANAGEMENT PRACTICES WILL BE ADHERED TO BEFORE & DURING THE CONSTRUCTION PROCESS.

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

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Consulting Civil Engineers
FL Cert. of Auth. No. 8675
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5065
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Fax: (941) 927-3646
email: info@cavoliengineering.com

CLIENT: CASTO SOUTHEAST REALTY SERVICES, LLC
PROJECT: NORTH RIVER VILLAGE OUTPARCELS
SHEET: SEDIMENT / EROSION CONTROL PLAN

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	9/19/12	REH

JOHN F. CAVOLI, P.E.
FL LICENSE NO.: 48692

DRAWN	JFC
CHECKED	JFC
DATE	5/11/12
SCALE	1"=80'
JOB NO.	CST001
SHEET	11