# NAPLES BEACH RESTORATION & WATER QUALITY IMPROVEMENT PROJECT CONSTRUCTION DRAWINGS FOR DIRECTIONAL DRILL

# Prepared For:

CITY OF NAPLES 735 8th St S, Naples, FL 34102



Teresa Heitmann, Mayor
Terry Hutchinson, Vice Mayor
Gary Price, Council Member
Mike McCabe, Council Member
Paul Perry, Council Member
Ted Blankenship, Council Member
Raymond Christman, Council Member

Dana Souza, Interim City Manager

Gregg Strakaluse, Streets & Stormwater Management Director

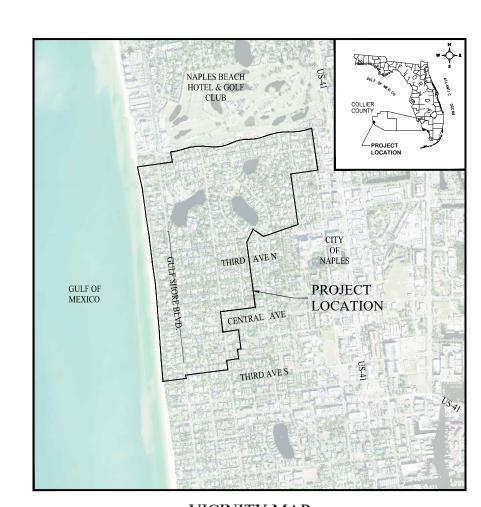
# Prepared By:



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Date: MAY 2021

Issued for Bid



VICINITY MAP

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ECE Project No.: 20-380

Revision

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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

RATION M. ERICASE No: 41897 STATE OF FLORIDA SO/ONALENG

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- SIGNATURE SHEET, LEGEND & ABBREVIATIONS
- CONSTRUCTION BASELINE & SURVEY CONTROL
- EXISTING CONDITIONS PLANS 3RD AVENUE NORTH

- CONSTRUCTION ACCESS & STAGING PLAN 3RD AVENUE NORTH
- CONSTRUCTION ACCESS & STAGING PLAN PIPE FUSING & STAGING

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 SMT
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SIGNATURE SHEET **LEGENDS & ABBREVIATIONS** 

Project No. Scale 16-329 AS NOTED Drawing No. Sheet Revision

2 of 13

0

- 3. DRAINAGE STRUCTURE SURVEY PROVIDED BY STANTEC, COLLECTED MARCH 2017.
- 4. TOPOGRAPHIC SURVEY PROVIDED BY STANTEC, COLLECTED MARCH 2017 AND SUPPLEMENTED BY DAGOSTINO & WOOD. JULY 2019.
- 5. OFFSHORE CONTOUR DATA PROVIDED BY FLORIDA DEP, COLLECTED SEPTEMBER 2017.
- 6. HARD BOTTOM DATA PROVIDED BY COLLIER COUNTY, COLLECTED 2013 & 2015.
- 7. AERIAL IMAGERY 2018 PROVIDED BY CITY OF NAPLES.

EXPRESSED IN, NORTH AMERICAN DATUM 1983.

- 8. THE FOLLOWING TECHNICAL SPECIFICATIONS SHALL GOVERN THIS WORK:
  - A, SUPPLEMENTAL TECHNICAL SPECIFICATIONS BY ECE.
- B. CITY OF NAPLES UTILITY SPECIFICATIONS
- C. CITY OF NAPLES RIGHT OF WAY HANDBOOK
- D. FDOT CONSTRUCTION SPECIFICATIONS (INDEXES AND STANDARD SPECIFICATIONS).
- E. THE MOST STRINGENT PROVISION SHALL GOVERN WITH ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS.
- 9. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST
- 10. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTION DISTORTION AND OR REVISIONS, INFORMATION CONTAINED HEREIN IS FOR PERMIT PURPOSES ONLY.
- 11. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS HER ACTIVITIES ACCORDINGLY.
- 12. ALL SITE IMPROVEMENTS AND NEW CONSTRUCTION OUTLINED UNDER THESE PLANS ARE TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE.
- 13. ALL DISTURBED AREAS SHALL BE RESTORED, INCLUDING REGRADING, TO THEIR ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE NOTED.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DAMAGED ITEMS INCLUDING, BUT NOT LIMITED TO, DRIVEWAYS, MAILBOXES, SIDEWALKS, STREET SIGNS, LANDSCAPING, AND PRIVATE FENCES AS REQUIRED BY OWNER, ENGINEER OF RECORD, AND/OR OTHER GOVERNING ENTITIES.
- 15. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS SPECIFICATIONS AND SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- 16. CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION
- 17. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
- 18. NO FIELD CHANGES OR DEVIATION FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER AND THE CITY.
- 19. CONTRACTOR TO BE RESPONSIBLE FOR SECURING THE SITE AND PROPERTY.
- 20. THE CONTRACTOR SHALL PROVDIE 48 HOURS NOTICE TO THE ENGINEER AND CITY PRIOR TO THE FOLLOWING ACTIVITIES:
- A. COMMENCEMENT OF CONSTRUCTION
- B. CHANGES TO APPROVED SCHEDULES
- C. COMMENCEMENT OF PILOT HOLE
- D. COMMENCEMENT OF PULLBACK AND INSERTION
- E. HYDROSTATIC AND LEAKAGE TESTING
- F. SUBSTANTIAL INSPECTION
- G FINAL INSPECTION
- 21. RED-LINE DRAWINGS OF THE COMPLETED SYSTEM SHALL BE PROVDIED TO THE CITY OF NAPLES OPERATIONS STAFF AND ENGINEER AT SUBSTANTIAL COMPLETION STAGE.

## **EXISTING FACILITIES AND UTILITIES**

- 22. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS, AND STORM DRAINAGE SYSTEMS, ON AND OR ADJACENT TO THE SITE. RELOCATE. REPLACE OR CAP AS NECESSARY.
- 23. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUNSHINE ONE-CALL" AT 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES.
- 24. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING FEATURES SHOWN WITHIN THESE PLANS, INCLUDING UTILITIES AND STRUCTURES, HAVE BEEN COMPILED FROM SURVEY AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AND ARE SHOWN

ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS AS SHOWN ON 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. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES OF THE PROPOSED CONSTRUCTION AND IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ON THE SITE AND ADJACENT PUBLIC R.O.W. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPLACED IN LIKE KIND TO THE SATISFACTION OF THE RESPECTIVE UTILITY OWNER. ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES SHALL BE BORNE BY THE CONTRACTOR.

- 25. 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 OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
- 26. 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 INSPECTIONS ACCORDING TO AGENCY INSTRUCTION REQUIREMENTS.
- 27. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES.
- 28. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND PAYMENT OF RESTRAINING ALL POLES (FPL. LIGHTING, ETC.) AS REQUIRED DURING CONSTRUCTION.

#### SAFETY

- 29. DURING THE CONSTRUCTION AND OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE
- 30. SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS HER PERSONNEL.31. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN
- 31. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.

#### TRAFFIC CONTROL AND MOT

- 32. CONTRACTOR SHALL PROVIDE ACCESS FOR TRAFFIC ON GULF SHORE BLVD AT ALL TIMES DURING CONSTRUCTION. CONSTRUCTION SHALL BE CONDUCTED IN SUCH A MANNER SO THAT ALL PROPERTY OWNERS RETAIN ACCESS TO THEIR DRIVEWAYS AND FACILITIES AT ALL TIMES.
- 33. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFER PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS SHALL BE FOLLOWED IN THE DESIGN APPLICATION, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS.
- 34. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISION SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS, PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.
- 35. MOT PLAN SHALL BE SUBMITTED TO THE CITY AND ENGINEER FOR APPROVAL.
- 36. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND OR ENFORCE SAFETY REGULATIONS.

## CONSTRUCTION IN STREETS AND ROAD RIGHT-OF-WAYS

- 37. The beach end at  $3^{\mbox{\scriptsize RD}}$  ave north may be closed for the duration of work.
- 38. OPEN ROAD CUTS REQUIRE PRIOR APPROVAL OF THE CITY, COUNTY, STATE OR ANY OTHER AGENCY WHICH MAY HAVE JURISDICTION.
- 39. ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS.
- 40. ALL AREAS IN EXISTING RIGHT-OF-WAYS DISTURBED BY CONSTRUCTION SHALL RECEIVE GRASS SEED, MULCH OR SOLID SOD.
- 41. STREET OR HIGHWAY RESTORATION TO BE DONE AS PER LOCAL OR STATE AGENCY HAVING JURISDICTION.

# **DEMOLITION, CLEARING AND SITE PREPARATION NOTES**

- 42. THE CONTRACTOR SHALL VISIT THE SITE TO EVALUATE THE DEMOLITION WORK REQUIRED TO COMPLETE THE PROPOSED PROJECT AND CONFIRM THE ACCURACY OF THE DRAWINGS PRIOR TO PREPARING HIS OR HER BID.
- 43. THE DEMOLITION WORK SHALL GENERALLY REQUIRE THE REMOVAL OF ALL EXISTING PAVEMENT, CURBING AND LANDSCAPING. LIMITATION ON LANDSCAPE REMOVAL ARE AS FOLLOWS: CONTRACTOR SHALL TAKE CARE TO PROTECT PLANTINGS ALONG THE PROPERTY LINES THAT DO NOT IMPACT CONSTRUCTION OF THE PROPOSED PROJECT AND PROVIDE

- VISUAL SCREENING FOR THE NEIGHBORING PROPERTIES. THIS NOTE IS NOT INTENDED TO BE A COMPREHENSIVE DESCRIPTION OF THE DEMOLITION WORK AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE FULL EXTENT OF DEMOLITION TO ACCOMPLISH INSTALLATION OF THE PROPOSED PROJECT IMPROVEMENTS.
- 44. DISPOSAL OF MATERIALS REMOVED DURING DEMOLITION SHALL BE IN A LEGAL MANOR AND IN COMPLIANCE WITH ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL LAWS AND RECLUATIONS.
- 45. DISPOSAL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACTORS BID, NOTE ASBESTOS/CONCRETE PIPE MAY BE ENCOUNTERED.
- 46. DEMOLITION AND DISPOSAL ACTIVITIES SHALL BE CONDUCTED BY THE CONTRACTOR TO MINIMIZE DUST AND NOISE NUISANCE FOR ADJACENT RESIDENTIAL PROPERTIES.
- 47. CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL MINIMIZE IMPACT TO LOCAL TRAFFIC.
- 48. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN, AS INDICATED ON THE CONSTRUCTION PLANS, SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL TREE ORDINANCES, AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREE(S) SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND THE LOCAL AGENCY HAVING JURISDICTION OVER THESE ACTIVITIES.
- 49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSION CONTROL DEVICES, AS SHOWN ON THE CONSTRUCTION PLANS, PRIOR TO ANY SITE CLEARING AND OR DEMOLITION. REFER TO THE "EROSION CONTROL NOTES" SECTION CONTAINED HEREIN FOR ADDITIONAL REQUIREMENTS.
- 50. ALL BEACH COMPATIBLE SAND EXCAVATED SEAWARD OF THE CCCL IS TO REMAIN SEAWARD OF THE CCCL.

#### DEWATERING, EROSION AND SEDIMENT CONTROL

- 51. THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATIONS FOR ADDRESSING THIS ISSUE.
- 52. NO KNOWN WELLS CURRENTLY EXIST ON THIS SITE. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO CITY OF NAPLES WITHIN 24 HOURS OF DISCOVERY. ANY WELLS DISCOVERED ON THIS SITE ARE TO BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.
- 53. CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, TOOLS, MATERIALS AND SERVICES NEEDED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES. THESE MEASURES SHALL CONFORM TO THE PLANS AND SPECIFICATIONS AND ALL STATE AND LOCAL PROLIDEMENTS.
- 54. CONTRACTOR IS TO PROVIDE EROSION CONTROL SEDIMENTATION BARRIERS (SILTATION CURTAINS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWER, AND WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH, RIP-RAP ROCK OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE. IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE SAID EARTH TO THE SATISFACTION OF THE COUNTY AND THE ENGINEER DAILY.
- 55. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING TO ESTABLISH BACKGROUND LEVELS AND TESTING DURING CONSTRUCTION. THE CONTRACTOR SHALL LIMIT THE DISCHARGE OF TURBID WATERS OFF-SITE 29 NTU'S (NEPHELOMETRIC TURBIDITY UNITS), ABOVE BACKGROUND LEVELS.
- 56. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.
- 57. CONTRACTOR SHALL INSPECT AND MAINTAIN ON A DAILY BASIS ALL EROSION SEDIMENTATION CONTROL FACILITIES.
- 58. THE CONTRACTOR SHALL ENSURE THAT SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACE IN UPLAND AREAS.
- 59. BARRIERS ARE TO BE REPLACED IF DAMAGED.
- 60. EROSION AND SEDIMENT CONTROL BMPS IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.
- 61. THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
- 62. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATER BODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25

- GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO WATER RESOURCES (PH: 941.861.5000; FAX: 941.861.0986). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
- 63. IF CONTAMINATED SOIL AND OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND WATER RESOURCES SHALL BE CONTACTED (PH: 941.861.5000; FAX: 941.861.0986).
- 64. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM:

A. NPDES CONSTRUCTION GENERIC PERMIT COVERAGE SHALL BE OBTAINED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION COMMENCEMENT IN ACCORDANCE WITH RULE 62-621.300(4)(A), F.A.C.

- B. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE POSTED AT THE SITE IN ACCORDANCE WITH RULE 62-621.300(4)(A)PART III.C.2, F.A.C.
- C. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE PROVIDED TO SARASOTA COUNTY IN ACCORDANCE WITH RULE 62-621.300(4)(A) PART III.D.1, F.A.C.
- D. THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(A)PART V.D.6,
- E. A COPY OF THE SWPPP, AND COPIES OF THE INSPECTION AND MAINTENANCE RECORDS
  SHALL BE MAINTAINED AT THE PROJECT SITE, AND SHALL BE READILY AVAILABLE TO COUNTY
  OR STATE INSPECTORS.
- 65. IF DEWATERING DISCHARGES WILL FLOW OFF SITE OR TO SURFACE WATERS APPROPRIATE FDEP AUTHORIZATION SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING.

#### ENVIRONMENTAL PROTECTION

- 66. ALL APPROPRIATE SAFEGUARDS SHALL BE PUT IN PLACE BY THE CONTRACTOR TO PROTECT THE ENVIRONMENT IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES.
- 67. CONSTRUCTION ACTIVITIES WILL FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO THE PROTECTION OF THE WEST INDIAN MANATEE WITHIN THE CONSTRUCTION ZONE. CONSTRUCTION ACTIVITIES WILL ALSO FOLLOW THE STANDARD PERMIT CONDITIONS AS SET FORTH UNDER ERP 11-100825.
- 68. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE STRUCTURES, PIPING, AND FLOWS THROUGHOUT THE CONSTRUCTION PERIOD.

#### CONSTRUCTION ACCESS, STAGING AND TRANSPORT OF MATERIALS

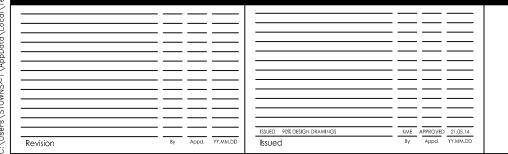
- 69. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL PERMITS, LAWS AND REGULATIONS REGARDING WEIGHT LIMITS FOR ROADS UTILIZED FOR TRANSPORT OF EQUIPMENT AND MATERIALS TO THE SITE. THE CONTRACTOR IS LIKEWISE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE TRAFFIC, SAFETY, AND SPEED LAWS. THE CONTRACTOR SHALL NOTIFY, AND COORDINATE WITH, LOCAL LAW ENFORCEMENT REGARDING TRANSPORT ACTIVITIES, WHICH SHALL BE UNDERTAKEN FOR THE WORK.
- 70. CONTRACTOR SHALL PROPOSE THE PLAN OF WORK AND ACCESS AND STAGING AREAS TO BE UTILIZED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF WORK. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE ROUTES AND AREAS HE INTENDS TO USE TO TRANSPORT AND STORE MATERIAL AND EQUIPMENT DURING CONSTRUCTION. THE PLAN SHALL ALSO DESCRIBE HOW THE CONTRACTOR INTENDS TO ACCESS THE PROJECT SITE AND WORK AREAS. ALL TRANSPORT ROUTES, STORAGE AREAS, AND ACCESS AREAS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER AND OWNER.
- 71. ALL TEMPORARY VEHICLE ACCESS ROUTES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT MUST BE REMOVED UPON PROJECT COMPLETION, AND THE AREAS AFFECTED MUST BE RESTORED TO THEIR ORIGINAL CONDITION BEFORE FINAL ACCEPTANCE OF THE WORK.
- 72. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL SIGNS, BARRICADES, WARNING SIGNALS, AND FLAGMEN TO SAFEGUARD PEDESTRIAN AND VEHICULAR TRAFFIC IN THE PROJECT AREA AS REQUIRED BY LOCAL REGULATIONS (IF APPLICABLE).

# OFFSHORE CONSTRUCTION NOTES

- 73. CONTRACTOR SHALL COMPLY WITH ALL USCG RULES AND REGULATIONS SPECIFIC TO VESSEL MARKING AND LIGHTING. ALL CONSTRUCTION VESSELS WORKING IN THE GULF SHALL BE IN COMPLIANCE WITH FEDERAL USCG REGULATIONS. THE CONTRACTOR SHALL PROVIDE THE COAST GUARD WITH A NOTICE TO MARINERS IN ADVANCE OF THE WORK OCCURRING IN THE GULF AND DURING THE TIME WORK OCCURS IN THE GULF.
- 74. ALL WORK VESSELS SHALL BE MOORED TO PROVIDE SAFE NAVIGATION IN THE WATERS SURROUNDING THE WORK AREA.
- 75. OFFSHORE REFUELING OF VESSELS IS NOT ANTICIPATED AT THIS TIME. SHOULD THE CONTRACTOR DESIRE OFFSHORE REFUELING OF CONSTRUCTION VESSELS, HE WILL BE REQUIRED TO SUBMIT A REFUELING PLAN IN ACCORDANCE WITH STATE AND FEDERAL GUIDELINES TO THE CITY.

## LANDSCAPING & IRRIGATION NOTES

76. CONTRACTOR IS RESPONSIBLE FOR REPLANTING VEGETATION IN ALL AREAS DISTURBED OUTSIDE OF THE AGREED WORK LIMITS. ALL VEGETATION SHALL BE MAINTAINED UNTIL ESTABLISHED OR FOR THE DURATION OF THE CONTRACT.



Erickson Consulting Engineers

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Client/Project

CITY OF NAPLES

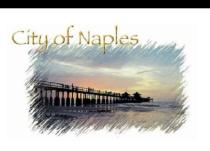
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name: 16-329\_Naples Outfalls\_DirectionalDrill.dwg

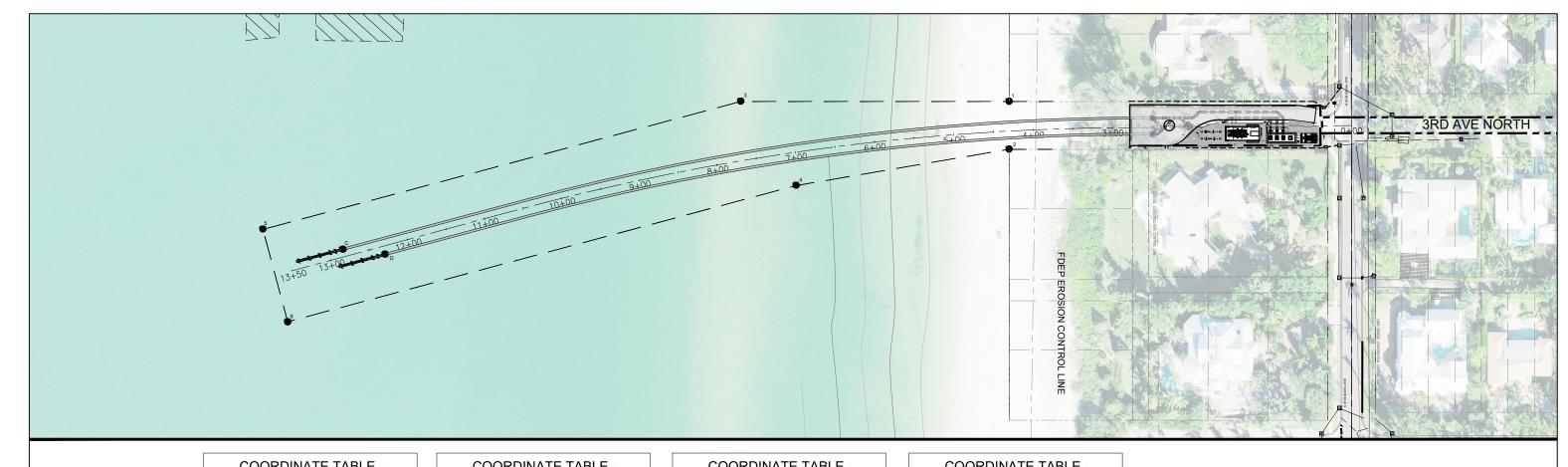
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Project No.
16-329
Drawing No.

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3 of 13



COORDINATE TABLE - PIPELINE STATIONS			
POINT	NORTHING EASTING		
0+00	660805	391384	
1+00	660792	391285	
2+00	660792	391282	
3+00	660766	391087	
4+00	660751	390988	
5+00	660733	390890	
6+00	660712	390792	
7+00	660687	390695	
8+00	660659	390599	
9+00	660628	390504	
10+00	660594	390410	
11+00	660556	390317	

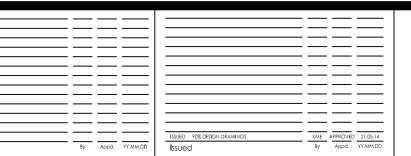
	COORDINATE TABLE - PIPELINE STATIONS			
OINT NORTHING EASTING				
660519	390225			
660481`	390132			
3+50 660462 390086				
	DRTHING 660519 660481`			

BENCH MARKS			
POINT NORTHING EASTING			
BM1	660753	391118	
BM2 660776 391371		391371	

COORDINATE TABLE - SUBMERGED LANDS EASEMENT			
POINT	NORTHING	EASTING	
1	660783	390954	
2	660723	390961	
3	660742	390620	
4	660646	390702	
5	660510	390043	
6	660399	390088	
		· ·	



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Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration & Water Quality Improvement Project

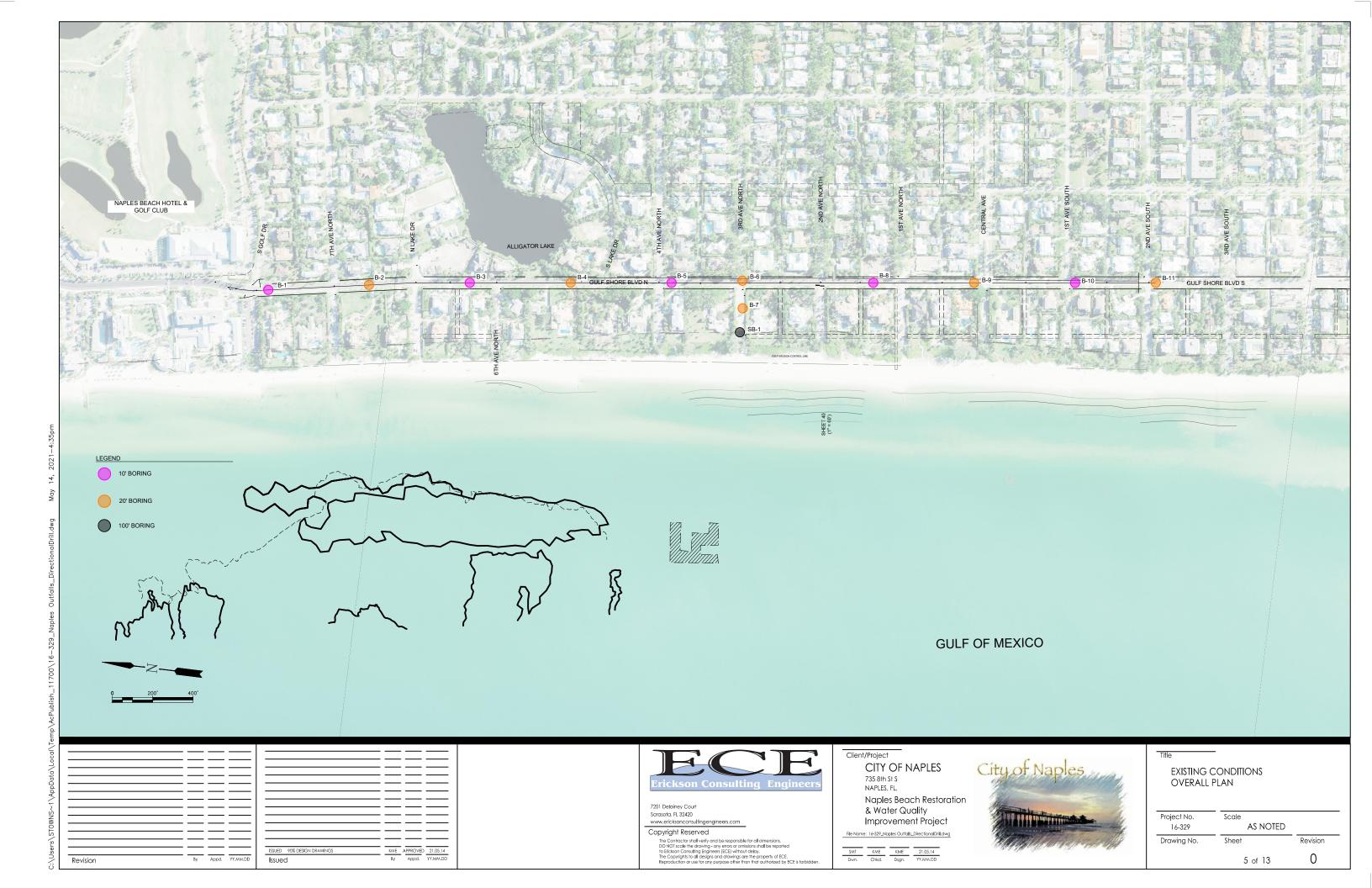
File Name: 16-329\_Naples Outfalls\_DirectionalDrill.dwg

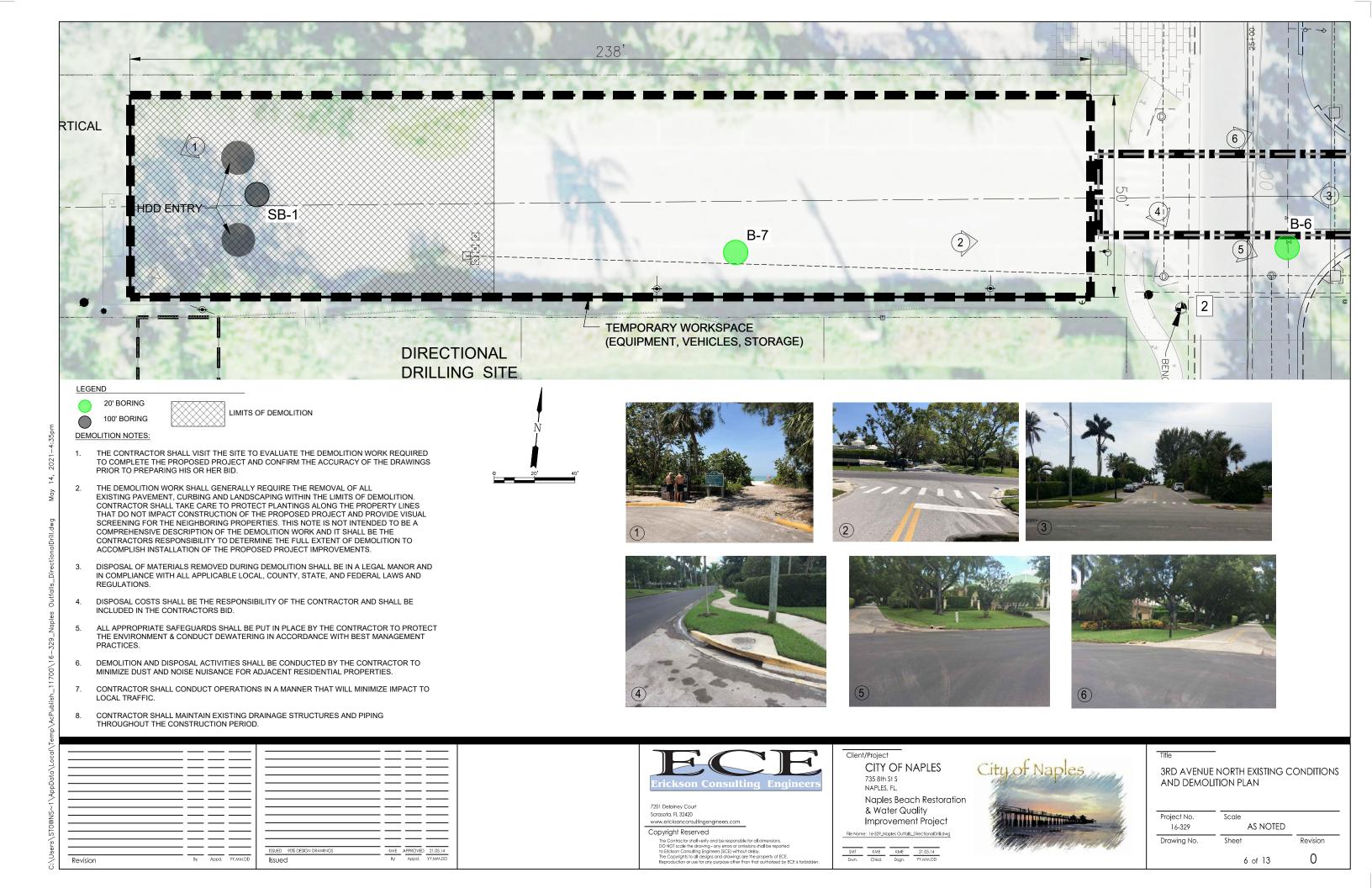
SMT	KME	KME	21.05.14
Dwn.	Chkd.	Dsgn.	YY.MM.DD

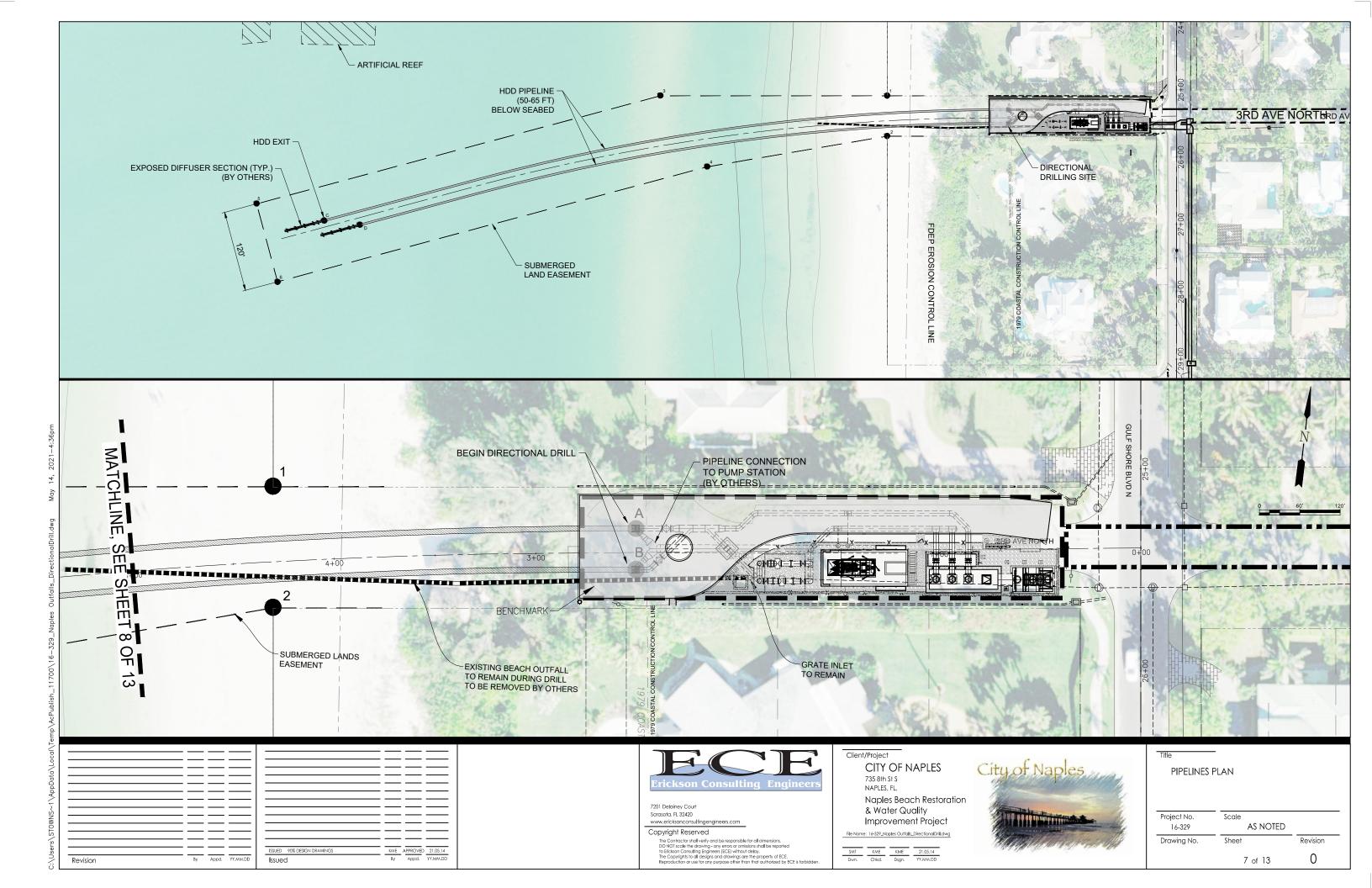


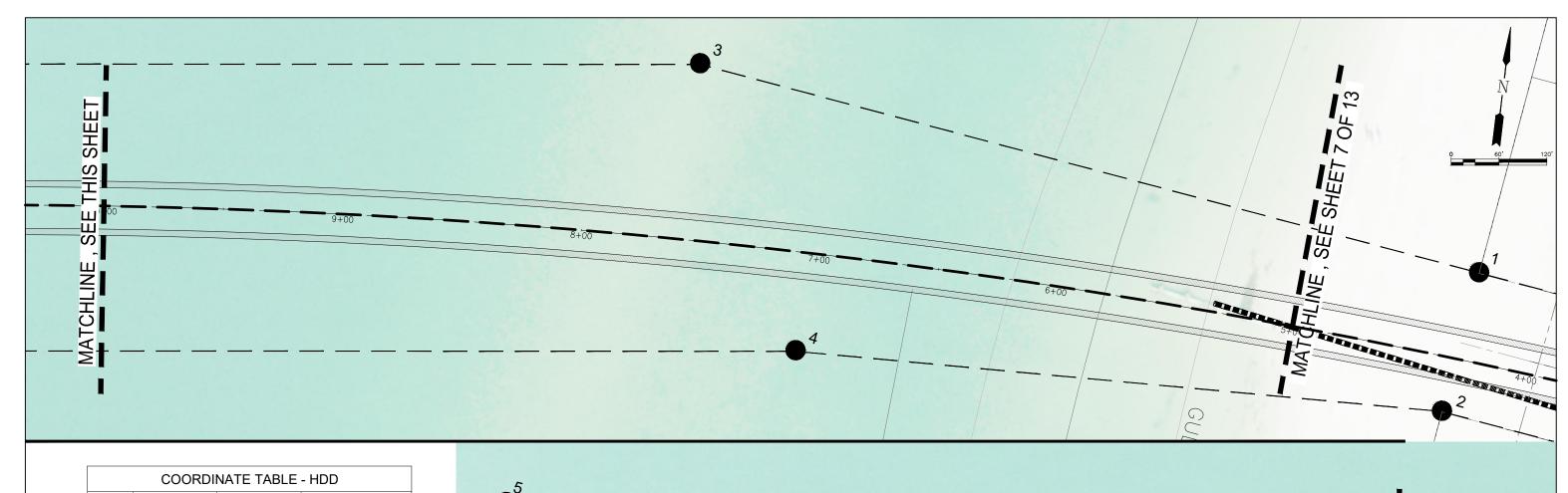
CONSTRUCTION BASELINE &	
SURVEY CONTROL	

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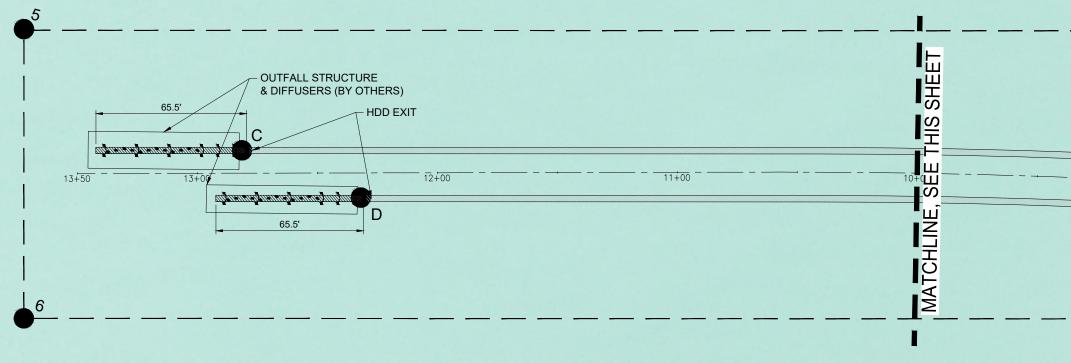


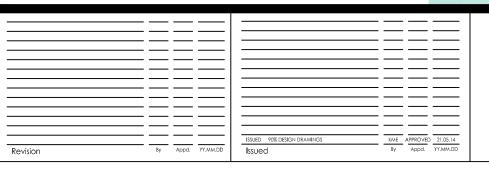




COORDINATE TABLE - HDD				
POINT	NORTHING	EASTING	PIPE INFO.	
Α	660785	391135	NORTH LINE ENTRY	
В	660765	391138	SOUTH LINE ENTRY	
С	660498	390148	NORTH LINE EXIT	
D	660498	390201	SOUTH LINE EXIT	

COORDINATE TABLE SUBMERGED LAND EASEMENT			
POINT	NT NORTHING EASTIN		
1	660692	390680	
2	660723	390961	
3	660742	390620	
4	660646	390702	
5	660510	390043	
6	660399	390088	







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& Water Quality Improvement Project

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Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project



PIPELINES PLAN

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