NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA FINAL SUBMITTAL FOR DEVELOPMENT REVIEW APPLICATION

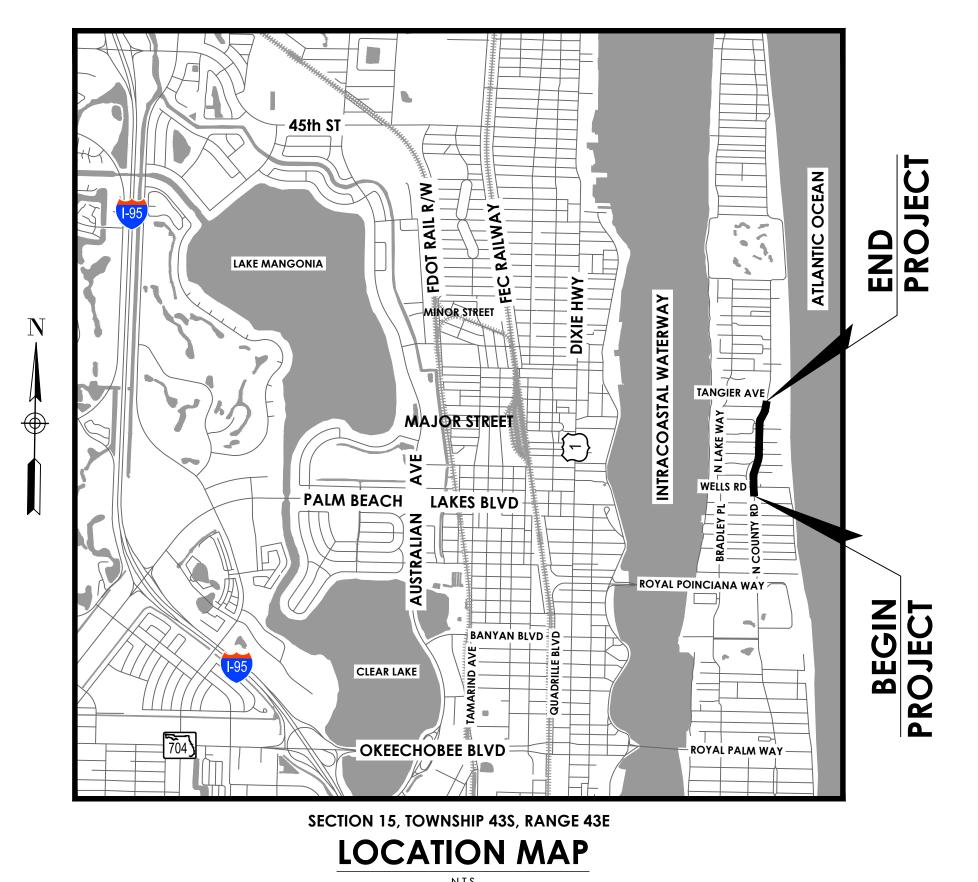
DATE OF ISSUE: 12/22/2022

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SCOPE OF WORK

- DRAINAGE IMPROVEMENTS
- TRAFFIC SAFETY IMPROVEMENTS
- MEDIAN IMPROVEMENTS





Town of Palm Beach 951 Okeechobee Road West Palm Beach, FL 33401

TOWN MAYOR Danielle H. Moore

TOWN COUNCIL MEMBERS

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REGISTRATION

PROJECT NUMBER

CLIENT PROJECT NUMBER

Sunshine [1]

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21-0431.00039

DRAWING NUMBER

FILE NUMBER: COA-23-010

PROJECTED DATE OF HEARING: 1/18/2022

GENERAL NOTES:

- 1. THE EXISTING CONDITIONS PRESENTED ARE BASED ON TOPOGRAPHIC SURVEY (AVIROM & ASSOCIATES INC, 2020 & 2021) AND AERIAL PHOTOGRAPHY.
- 2. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONICS METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION AND THE LOCATIONS AND ELEVATIONS OF EXPOSED FEATURES SHALL BE CAREFULLY NOTED ON THE PROJECT RECORD "AS-BUILT" DRAWINGS. ANY AND ALL CONFLICT OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE CONTRACTOR IN AN APPROVED MANNER.
- 3. 48 HOURS PRIOR TO DIGGING, CONTRACTOR SHALL COORDINATE WITH ALL UNDERGROUND SERVICE COMPANIES TO VERIFY THE LOCATION OF THEIR FACILITIES. ADDITIONALLY, CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 PRIOR TO DIGGING.
- 4. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK, ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED. THE CONTRACTOR IS ADVISED TO USE EXTREME CAUTION WHEN CONSTRUCTION IS NEAR OR AROUND ANY ELECTRICAL FACILITIES.
- 5. THE CONTRACTOR SHALL COORDINATE THE UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC., AS NECESSARY TO COMPLETE THE WORK. ANY COST INVOLVED IS TO BE BORNE BY THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL MAINTAIN A SET OF PLANS WITH CURRENT FIELD CHANGES ACCURATELY MARKED AND SHALL DELIVER THESE PLANS TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION. THE CURRENT MARKINGS SHALL BE REVIEWED WITH THE ENGINEER DAILY, OR AS NEEDED, TO ASSURE THAT THEY BOTH AGREE THAT THE MARK-UPS REFLECT THE ACTUAL "AS-BUILT" CONDITIONS. THE CONTRACTOR WILL PREPARE PROJECT RECORD DRAWINGS AT THE CONCLUSION OF THE PROJECT BASED ON THE MARK-UP DRAWINGS AND TIES.
- 7. ANY U.S.G.S., N.G.S. OR STATE OF FLORIDA MONUMENT OR BENCH WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND DISTRICT LOCATION SURVEYOR.
- 8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.
- 9. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
- 10. THE CONTRACTOR IS ADVISED THAT ALL PROPERTIES ADJACENT TO THE PROJECT MAY HAVE UTILITY SERVICES WHICH MAY NOT BE SHOWN IN THE PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE LATERALS SERVICING SAID PROPERTIES MUST BE INCLUDED IN THE BID ITEMS.
- 11. IF SHEETING, SHORING, OR DEWATERING (INCLUDING WELL POINTS) ARE NECESSARY AND UTILIZED, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING AND THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY ITS OPERATIONS. THE COST OF THIS WORK WILL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
- 12. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 15 DAYS PRIOR TO CONSTRUCTION ON THEIR STREET.
- 13. IN ALL CASES WHERE THE CONTRACTOR MUST CAUSE AN INTERRUPTION OF EXISTING WATER AND/OR SEWER SERVICES, CONTRACTOR SHALL SUBMIT TO ENGINEER A COMPLETE DESCRIPTION OF THE PROPOSED PROCEDURE AND A TIME SCHEDULE FIVE WORKING DAYS PRIOR TO COMMENCING THE WORK.
- 14. WHENEVER POSSIBLE, THE CONTRACTOR SHALL MAINTAIN SAFE VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES AND WILL MAINTAIN ACCOMMODATIONS FOR INTERSECTING AND CROSSING TRAFFIC. ROADWAY AND INTERSECTION CLOSURES WILL BE COORDINATED WITH THE TOWN AND THE ENGINEER A MINIMUM OF ONE MONTH IN ADVANCE.
- 15. ANY PAVEMENT MARKINGS OR SIGNS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED.
- 16. THE PERMIT PLAN SET MUST BE ON SITE AT ALL TIMES.
- 17. CONTRACTOR TO PAVE AT ITS OWN RISK IF INSTALLED STORM DRAINAGE HAS NOT BEEN APPROVED BY ENGINEER.
- 18. MAINTAIN MAXIMUM LONGITUDINAL SLOPE OF 5% AND CROSS SLOPE OF 2% FOR PATHWAYS AND SIDEWALKS.
- 19. FINAL LOCATION OF RELOCATED MAILBOXES SHALL BE AT ITS EXISTING LOCATION. IF FINAL LOCATION CONFLICTS WITH PROPOSED IMPROVEMENTS, CONTRACTOR MUST COORDINATE WITH ENGINEER.
- 20. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL CONDITIONS THAT ARE DISCOVERED PRIOR TO CONSTRUCTION.
- 21. ALL PROPOSED SWALE SHALL BE GRADED TOWARDS THE EXISTING OR PROPOSED DRAINAGE INLETS. NO GRADE SHALL ALLOW WATER TO POND.
- 22. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS, AND ABOVE GROUND UTILITIES LOCATED IN THE SWALE AREAS. CONTRACTOR IS TO COORDINATE WITH THE TOWN OF PALM BEACH AND ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE CRITICAL ROOT ZONE FOR TREE PROTECTION MAP. ALL WORK WITHIN ROOTZONE SHALL BE IN CONFORMANCE WITH ROOT PRUNING NOTE.
- 23. ALL DISTURBED EXISTING DRIVEWAYS TO BE RESTORED TO EXISTING CONDITIONS OR BETTER.
- 24. ALL DISTURBED SWALE AREAS SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
- 25. ALL INLETS ARE TO RECEIVE 3,000 PSI CONCRETE APRONS REINFORCED WITH FIBER MESH. NEW APRONS ARE TO EXTEND TO THE EDGE OF PAVEMENT. TERMINUS OF THE FLARED END SECTION FROM THE TYPE 'F' CURB AND GUTTER TO INSURE CONVEYANCE OF THE STORMWATER RUNOFF FROM THE GUTTER TO THE CATCH BASIN TO PREVENT EROSION OF THE SWALE AREA.
- 26. PAVEMENT AND DRIVEWAY RESTORATION ARE TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED. ALL INTERFACES SHALL BE SAWCUT.
- 27. ANY EXISTING UTILITIES DAMAGED BY THE ON-GOING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR IN KIND.
- 28. CONTRACTOR TO PROVIDE DETAILED AS-BUILT SURVEYS THAT CLEARLY DEFINE THE AREAS OF WORK COMPLETED UNDER THIS CONTRACT INCLUDING BUT NOT LIMITED TO ALL RIM ELEVATIONS (EXISTING AND PROPOSED STRUCTURES), ALL INVERTS, BOTTOM OF STRUCTURE, SUFFICIENT SWALE ELEVATIONS TO DEMONSTRATE THAT SWALES DRAIN TO INLETS, LOCATION OF EXFILTRATION TRENCH, LOCATION OF DRIVEWAY RESTORATION, AND RESTORED ASPHALT PAVEMENT.
- 29. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- 30. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF POWER LINES.
- 31. ALL EXISTING MANHOLES, VALVES, ETC. ARE TO BE ADJUSTED TO MATCH PROPOSED ELEVATIONS.

ROOT PRUNING NOTES FOR TREE SLATED TO REMAIN:

ROOT PRUNING IS THE CUTTING OF ROOTS TO ACCOMMODATE THE PROPOSED INFRASTRUCTURE AND SITE IMPROVEMENTS. IN INSTANCES WHERE ROOT PRUNING IS REQUIRED, THE WORK SHALL BE CONDUCTED BY OR UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST. PRIOR TO ROOT PRUNING, THE TREES SHALL BE EVALUATED BY AN ISA CERTIFIED ARBORIST TO DETERMINE WHETHER THE ROOT CUTTING WILL DESTABILIZE THE TREE OR CAUSE UNACCEPTABLE DAMAGE TO THE TREE.

- 1. ROOTS MAY NOT BE TORN OFF WITH POWER EQUIPMENT, AND CUT ROOTS SHALL NOT BE LEFT WITH RIPPED, RAGGED OR SHREDDED ENDS. ROOTS MUST BE CLEANLY SEVERED WITH SHARP HAND TOOLS OR POWER ROOT SAWS.
- 2. PRUNING TRENCHES SHALL BE BACKFILLED WITH NATIVE SOILS, FREE OF DEBRIS.
- 3. WHEN A ROOT WITH A DIAMETER OF TWO INCHES OR GREATER IS ENCOUNTERED, A FINAL CLEAN CUT SHALL BE MADE WITH A SAW. THE CUT SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH CLOSEST TO THE TREE.
- 4. WHEN ADJACENT TO NEW CURBING, UNCURBED PAVED AREAS, OR AREAS OF GRADE CHANGES, ROOTS SHALL BE CUT NO MORE THAN 18 INCHES TOWARDS THE TREE FROM THE BACK OF THE CURB, THE EDGE OF THE PAVEMENT, OR THE POINT OF INTERSECTION OF OLD AND NEW GRADES, RESPECTIVELY. AFTER ROOT PRUNING, NO EXCAVATION FOR THE INSTALLATION OF FORMS OR FOR ANY OTHER REASON MAY BE PERFORMED ANY CLOSER THAN SIX INCHES OUTSIDE OF THE ROOT PRUNING CUT. THE ROOT PRUNING TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL.
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY TREES IN NEED OF SUPPLEMENTAL SUPPORT FOLLOWING ROOT PRUNING. PRIOR TO COMMENCEMENT OF ROOT PRUNING, THE CONTRACTOR SHALL FURNISH A SUPPLEMENTAL SUPPORT PLAN WHICH IDENTIFIES EACH TREE IN NEED OF TEMPORARY SUPPLEMENTAL SUPPORT AND PROPOSE A STAKING/GUYING SYSTEM. THE CONTRACTOR SHALL INSTALL THE APPROVED SUPPORT SYSTEMS IMMEDIATELY FOLLOWING ROOT PRUNING.

DEMOLITION NOTES:

1. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.

- 2. BEFORE PROCEEDING WITH DEMOLITION OPERATIONS THE CONTRACTOR IS TO DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS.
- 3. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- 4. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR IN-USE FACILITIES WITHOUT PERMISSION FROM OWNER, THE TRIBE AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS AS REQUIRED BY GOVERNING
- 5. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
- 6. ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, BARRIERS, RAILINGS, ETC. WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- 7. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
- 8. ADJACENT IMPROVEMENTS SHALL BE CLEANED OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- 9. FOR SELECTIVE DEMOLITION, USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING OR CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN
- 10. DEMOLISH CONCRETE IN SMALL SECTIONS. CUT CONCRETE AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING POWER-DRIVEN MASONRY SAW OR HAND TOOLS; DO NOT USE POWER-DRIVEN IMPACT TOOLS.
- 11. INFORMATION SHOWN ON THE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER; HOWEVER, THIS INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER, AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ASSIST THE UTILITY COMPANIES, BY EVERY MEANS POSSIBLE, TO DETERMINE SAID LOCATIONS AND THE LOCATIONS OF RECENT ADDITIONS TO THE SYSTEMS NOT SHOWN.
- 12. REMOVAL, DEMOLITION, HAULING, AND DISPOSAL SHALL COMPLY WITH REGULATIONS BY F.D.E.P., E.P.A., AND ANY OTHER AUTHORITY HAVING JURISDICTION.

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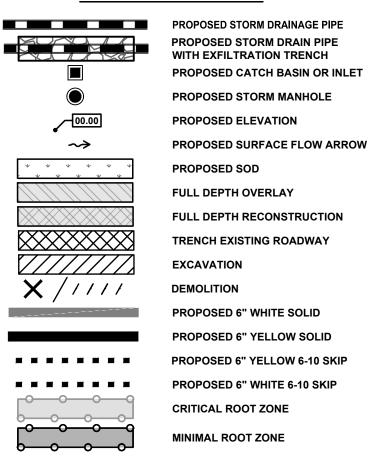
TRAFFIC SIGNAL CONTROL RISER

TRAFFIC SIGNAL SERVICE BOX

UNDERGROUND GAS MARKER

- 13. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 14. ALL EXISTING PATHWAY AND STREET LIGHTING WILL REMAIN IN PLACE AND REMAIN IN SERVICE DURING CONSTRUCTION OPERATIONS.

PROPOSED LEGEND



- - EX 0/W - - - EXISTING OVERHEAD WIRE

EXISTING LEGEND

LX O/W	EXIGINIO OVERNILAD WINE		, <u>_</u>
EX OE	EXISTING OVERHEAD ELECTRIC	-8H8-	BACK FLOW PREVENTOR VALVE
— — — EX BE — — —	EXISTING BURIED ELECTRIC	•	BENCHMARK BOLLARD (UNLESS NOTED)
		C	CABLE TELEVISION RISER
EX CATV	EXISTING COMMUNICATIONS CABLE OR DUCT		CATCH BASIN
- $ EX$ $CATV$ $ -$	EXISTING TELEVISION CABLE OR DUCT		CATCH BASIN
EX BTV	EXISTING BURIED CABLE TELEVISION	® <u>\</u> _∕	CLEAN OUT
EX OTV	EXISTING OVERHEAD CABLE TELEVISION	半	CONCRETE LIGHT POLE CONCRETE UTILITY POLE
		<u> </u>	CONCRETE UTILITY POLE WITH LIGHT
— — EX BF0— — —	EXISTING BURIED FIBER OPTICS	查	CURB INLET
— — — EX OFO — — —	EXISTING OVERHEAD FIBER OPTICS		DOUBLE DETECTOR CHECK VALVE
— — — EX BT — — —	EXISTING BURIED TELEPHONE	©	DRAINAGE MANHOLE
— — — EX OT — — —	EXISTING OVERHEAD TELEPHONE	<u>©</u>	ELECTRIC MANHOLE
LX 01	EXISTING OVERTICAL TELEFITONE	em Ei	ELECTRIC METER
- $ EX$ GAS $ -$	EXISTING GAS PIPE	Œ) Œ)	ELECTRIC RISER ELECTRIC SERVICE BOX
=======	EXISTING CONCRETE WALL	• 0.00	EXISTING ELEVATION
	EXISTING WOOD FENCE	A.	FIRE HYDRANT
	EVICTING OUTLING OF WIRE FENCE	Ö	FLAG POLE
	EXISTING CHAIN OR WIRE FENCE	©	GAS MANHOLE
~	EXISTING TELEPHONE POLE	GM	GAS METER
-	EXISTING POWER POLE	© N4	GAS SERVICE BOX
_	EXISTING FOWER FOLE	XX B	GAS VALVE
	EXISTING COMMUNICATIONS MANHOLE	<u> </u>	GREASE TRAP GUY ANCHOR
	DANIVAN	·	HAND HOLE
69	BANYAN	Ī	IRRIGATION CONTROL BOX
*	PALM	- ⊗ -	IRRIGATION CONTROL VALVE
	LINIZNOWN CRECIES	€	LANDSCAPE LIGHT (SPOT LIGHT)
₩	UNKNOWN SPECIES	M	MAIL BOX
(?) 12"	DENOTES 12" DIAMETER TRUNK (TYPICAL)	₩ 3 -%-(METAL LIGHT POLE
	YARD DRAIN		MONITORING WELL OVERHEAD WIRES
(UNKNOWN MANHOLE	<u> </u>	SANITARY MANHOLE
Ø	UNKNOWN UTILITY RISER	×	SEWER VALVE
Ф	UNKNOWN UTILITY SERVICE BOX		SIGN (UNLESS NOTED)
M	UNKNOWN VALVE	8	SPIGOT
⊻	VAULT	Ŏ	TELEPHONE MANHOLE
M	WATER METER	7	TELEPHONE RISER
×	WATER VALVE	Θ	TELEPHONE SERVICE BOX
®	WELL	0	TRAFFIC LIGHT SUPPORT POLE
•	WOOD UTILITY POLE	TC	TRAFFIC SIGNAL CONTROL RISER

WOOD UTILITY POLE WITH LIGHT

ABBREVIATIONS

ABN - ABANDONED

ARY - AIR RELEASE VALVE ASP H - ASPHALT BE - BURIED ELECTRIC BFO - BURIED FIGROPTICS BFP - BACKFLOW PREVENTER BH - BORE HOLE Y - BASE LINE BO - BOTTOM OF GURB BOS - BOTTOM OF GURB BOS - BOTTOM OF FURB BOS - BOTTOM OF STRUCTURE BT - BURIED ELECTRIC BT - BURIED ELECTRIC BT - BURIED ABLE TELEVISION BW - BOTH WAYS CC - COENTER TO GENTER CIP - CAST IRON PIPE CO - CLAR OLT RESONAL INTERCATION CIP - CAST IRON PIPE CO - CLAR OLT COMM - COMMUNICATIONS COM - CONTROLT COMM - COMMUNICATIONS CON - CONTROLT CONC - CONCRETE CONC - CONCRETE CONC - CONCRETE DE ORAINAGE EASEMENT DIP - DUCTILE IRON PIPE DE DE ORAINAGE EASEMENT DIP - DUCTILE IRON PIPE DE C - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLO	ACP -	- ASBESTOS CEMENT PIPE	MB	- MAIL BOX
BE - BURIED ELECTRIC MIN - MINIMUM BFO - BURIED FIBER OPTICS MTR - METER BF - BACKFLOW PREVENTER N - NORTH BH - BORE HOLE NOW PREVENTER NAVD - NORTH AMERICAN VERTICAL DATUM B - BASE LINE NGVD - NATIONAL GEODETIC VERTICAL DATUM BOC - BOTTOM OF CURB NIC - NOT IN CONTRACT BOS - BOTTOM OF FURB NIC - NOT IN CONTRACT BOS - BOTTOM OF FURB NIC - NOT IN CONTRACT BOS - BOTTOM OF STRUCTURE NPW - NON-POTABLE WATER BT - BURIED CABLE TELEVISION ON - OVERHEAD WIRE BT - BURIED CABLE TELEVISION OF OWNERE BUY - BURIED CABLE TELEVISION OF OWNERE BUY - BURIED CABLE TELEVISION OF OWNERE BUY - CONTRACT OWNER BUY - BURIED CABLE TELEVISION OF OWNERE BUY - CONTRACT OWNER BUY - BURIED CABLE TELEVISION OF OWNERE BUY - CONTROL STRUCTURE CF - CHAIR LINK FENCE CMP - CORRUGATED METAL PIPE CONC - CONCRETE CONC - CONGRETE CONC - CONGRETE CONC - CONSTRUCT CORP - CORROBATION COMMUNICATIONS COS - CONTROL STRUCTURE A DELTA ANGLE DEC - DELTA ANGLE DEC - DELTA CONSTRUCT CORP - CORROBATION COS - CONTROL STRUCTURE A DELTA ANGLE DEC - DELTA CONSTRUCT CORP - CORROBATION COS - CONTROL STRUCTURE A DELTA ANGLE DEC - DELTA CONSTRUCT CORP - CORPORATION COS - CONTROL STRUCTURE COS - CONTROL STRUCTURE A DELTA ANGLE DEC - DELTA CONSTRUCT CORP - CORPORATION COS - CONTROL STRUCTURE COS	ARV -	- AIR RELEASE VALVE	MEG	- MATCH EXISTING GRADE
BFO - BACKFLOW PREVENTER BFP - BACKFLOW PREVENTER BH - BORE HOLE BH - BASE LINE BH - BORE HOLE BH - BASE LINE BH - BORE HOLE BH - BASE LINE BOC - BOTTOM OF GURB BOC - BOTTOM OF GURB BOS - BOTTOM OF PIPE BOS - BOTTOM OF STRUCTURE BT - BURIED TELEPHONE BT - CABLE TELEVISION BW - BOTTH WAYS CATY - CABLE TELEVISION CABLE TELEVISION CC - CENTER TO CENTER CIP - CAST IRON PIPE CO - CAST IRON PIPE CO - CAST IRON PIPE CO - COTTER LINE CLF - CHAIN LINK FENCE CIP - CORNIGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS COMP - CORROGATED METAL PIPE CO - CLEAN OUT COMP - CORROGATED METAL PIPE CO - CLEAN OUT COMP - CORROGATED METAL PIPE CO - COLEAN OUT COMP - CORROGATED CONSTRUCT CORP - CORROGATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAIMAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DP - DRAIMAGE EASEMENT DP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DP - DRAIMAGE EASEMENT DP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DP - ELECTRIC COP - CORROGATION FF - FINISHED FLOOR FF -	ASPH -	- ASPHALT	MH	- MANHOLE
BEP - BACKFLOW PREVENTER BH - BORE HOLE Q	BE -	- BURIED ELECTRIC	MIN	- MINIMUM
BH - BORE HOLE § - BASE LINE § - BASE LINE § - BASE LINE BOC - BOTTOM OF CURB BOP - BOTTOM OF PIPE BOS - BOTTOM OF PIPE BT - BURIED TELEPHONE BT - BURIED TELEPHONE BT - BURIED TELEVISION BW - BOTH WAYS CATV - CABLE TELEVISION CAP - CAST IRON PIPE CAP - CAST IRON PIPE CO - CENTER TO CENTER CIP - CAST IRON PIPE CO - CENTER TO CENTER CIP - CAST IRON PIPE CO - CENTER TO CENTER COMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMP - CORROGATIONS CONC - CONCRETE COMP - CORROGATIONS CONC - CONCRETE COMP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERRVICE DWY - DRIVEWAY E - EAST ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAYEMENT EX - EXISTING FF - FINISHED FLOOR FF	BFO -	- BURIED FIBER OPTICS	MTR	- METER
REASE LINE BOC - BOTTOM OF PUPE BOS - BOTTOM OF PUPE BOS - BOTTOM OF PUPE BOS - BOTTOM OF STRUCTURE BT - BURIED TELEPHONE C - C - COENTER TO CENTER C - C - CENTER TO CENTER C - C - CELAR OUT C - COENTER TO CENTER C - C - CELAR OUT COMM - COMMUNICATIONS C - C - COENTER TO CENTER C - C - CLEAR OUT COMM - COMMUNICATIONS C - C - CONTROL STRUCTURE C - DETA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE D - DANAGE EASEMENT DIP - DUCTILE IRON PIPE D - DOMOSTIC SERVICE DWY - DRIVEWAY E - EAST E - ELEVATION ELEC - ELECTRIC DPV - DRIVEWAY F - ELEVATION ELEC - ELECTRIC DPV - DRIVEWAY F - FIRIT HOPE ELEC - ELECTRIC DPV - DRIVEWAY F - FIRIT HOPE ELEC - ELECTRIC DPV - DRIVEWAY F - FIRIT HOPE ELEC - ELECTRIC DP - CORPORATION ELEC - ELECTRIC DPV - DRIVEWAY F - FIRIT HOPE ELEC - ELECTRIC DPV - DRIVEWAY F - FIRIT HOPE D - DR	BFP -	- BACKFLOW PREVENTER	N	- NORTH
BOÖ - BOTTOM OF PIPE BOS - BOTTOM OF PIPE BOS - BOTTOM OF PIPE BT - BURIED TELEPHONE BT - BURIED TELEPHONE BT - BURIED CABLE TELEVISION BW - BOTH WAYS CATY - CABLE TELEVISION CATY - CABLE TELEVISION BW - BOTH WAYS CATY - CABLE TELEVISION CC - CENTER TO CENTER CC - CENTER LINE COMP - CORRIGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS CC - CONCRETE CONSTRUCT COMP - CORPORATION CC - CONTROL STRUCTURE A DELTA ANGLE DE DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DOV - DETECTOR DOUBLE CHECK VALVE DE DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DOV - DETECTOR DOUBLE CHECK VALVE DE DOMESTIC SERVICE DWY DRIVEWAY R - RADIUS ELEC - LELECTRIC CE - LECTRIC ELEC - LECTRIC ELEC - LECTRIC ELEC - LELECTRIC COP - CORP DAVEMENT EX - EXISTING FF - FINISHED FLOOR FF - FINISHED FLOO	вн -	- BORE HOLE	NAVD	- NORTH AMERICAN VERTICAL DATUM
BOD - BOTTOM OF PIPE BOS - BOTTOM OF STRUCTURE BT - BURIED TELEPHONE BT - BURIED TELEPHONE BT - BURIED CABLE TELEVISION BW - BOTH WAYS CATV - CABLE TELEVISION CB - CATCH BASIN CC - CORTER TO CENTER CC - CETTER TO CENTER CIP - CAST IRON PIPE CL - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS CR - COPICAL STELLE CONSTRUCT CONC - CONCRETE CONC - CONSTRUCT CONST - CONSTRUCT CORP - CORPORATION CS - CONTOL STRUCTURE A DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMBSTIG SERVICE DWY - DRIVEWAY E - EAST E - ELECATIC DWY - DRIVEWAY F - FIRE HYDRANT EL - ELECATIC CP - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FORCE MAIN FV - FULL SHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVAUZED QV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE LF - LANDSCAPE EASEMENT IN - INTER CONTINE LE - LIGHT POLE LE - LANDSCAPE EASEMENT IN - INTER CONTINE LE - LIGHT POLE LE - LANDSCAPE EASEMENT IN - INTER CONTINE LE - LIGHT POLE LE - LANDSCAPE EASEMENT IN - INTER CONTINE LE - LIGHT POLE LE - LANDSCAPE EASEMENT IN - INTER CONTINE LE - LIGHT POLE LE - LIGHT POLE LE - LANDSCAPE EASEMENT IN - INTER CARD WM - WEST UMW - WATER MAIN LT - LEFT WITH WATER LE - LIGHT POLE LE - LIGHT POLE LE - LANDSCAPE EASEMENT WM - WATER MAIN LT - LEFT WITH WATER LE - LIGHT POLE LE - LANDSCAPE EASEMENT WM - WATER MAIN LT - LEFT WITH WATER LE - LIGHT POLE LE - LANDSCAPE EASEMENT WM - WATER MAIN LT - LEFT WITH WATER LE - LIGHT POLE LE - LANDSCAPE EASEMENT WM - WATER MAIN LT - LEFT	B ₂ -	- BASE LINE	NGVD	- NATIONAL GEODETIC VERTICAL DATUM
BOS - BOTTOM OF STRUCTURE BT - BURIED CABLE TELEVISION BW - BOTH WAYS CATV - CABLE TELEVISION CC - CATCH BASIN CC - CENTER TO CENTER CC - CENTER LINE CC - CORRUGATED METAL PIPE CO - CLEAN OUT CC - CLEAN OUT CC - CONGRETE COMM - COMMUNICATIONS CC - CONCRETE COMM - COMMUNICATIONS CC - CONCRETE CONSTRUCT CC - CONCRETE CONSTRUCT CC - CONCRETE CD - DEAINAGE EASEMENT DIP - DUCTILE IRON PIPE DD - DEAINAGE EASEMENT DIP - DUCTILE IRON PIPE DD - DEAINAGE EASEMENT DIP - DUCTILE IRON PIPE DD - DOMESTIC SERVICE DWY - DRIVEWAY CC - CONCRETE COY - CONCRET	BOC -	- BOTTOM OF CURB	NIC	- NOT IN CONTRACT
BTV - BURIED TELEPHONE BTV - BURIED CABLE TELEVISION BW - BOTH WAYS CATV - CABLE TELEVISION CB - CATCH BASIN CC - CENTER TO CENTER CP - CAST IRON PIPE CP - CAST IRON PIPE CP - CAST IRON PIPE CO - CLEAN OUT COMMUNICATIONS CO - CONGRETE CO - CLEAN OUT COMM - COMMUNICATIONS CC - CONTROL STRUCTURE COR - CONFORATION CS - CONTROL STRUCTURE CD - DELTA ANOLE DDCV - DETECTOR DOUBLE CHECK VALVE DD - DELTA ANOLE DDCV - DETECTOR DOUBLE CHECK VALVE DD - DE OBLIA ANOLE DDCV - DETECTOR DOUBLE CHECK VALVE DD - DE OBLIA ANOLE DDCV - DETECTOR DOUBLE CHECK VALVE DD - DE OBLIA ANOLE DDCV - DETECTOR DOUBLE CHECK VALVE DF - POLYVINYL CHLORIDE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION ELEC - ELECTRIC EOP - EOGG OF PAVEMENT EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR GALV - GALVANIZED G - GAS G - GAGG G - GAG G - GAG G - GALVANIZED HP - HIGH POINT INV - INVERT LAT - LATERAL LAT EARL LEPH - LIGHT POLE LEPT LT - LIENT ROW PRESSURE FORCE MAIN LT - LEFT LEPT LT - LIENT ROW PRESSURE FORCE MAIN LT - LEFT NOW - ORCHARDA PRESSURE FORCE MAIN LT - LEFT NOW - ORTHERA DELECTRIC ON - OVERHEAD ELECTRIC OR - OVERHEAD ELECTRIC OR - OVERHEAD ELECTRIC OR - OVERHEAD FIBER OPTICS OR - OVERHEAD ELECTRIC OR - OVERHEAD	BOP -	- BOTTOM OF PIPE	NO	- NUMBER
BTY - BURIED CABLE TELEVISION BW - BOTH WAYS CCT - CARD ETLEVISION CC - CTY - CABLE TELEVISION CC - CATY - CABLE TELEVISION CC - CENTER TO CENTER CC - CENTER LINE CC - CELEAN OUT CC - COMM - COMMUNICATIONS COMM - COMMUNICATIONS CONE COMM - COMMUNICATIONS CONE CONE - CONFORTE CONST - CONSTRUCT CC - CORPORATION CC - CORPORATION CC - CONFORT CC - CORPORATION CC - CONTROL STRUCTURE CC - CORPORATION CC - CONTROL STRUCTURE CC - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILLE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY CC - CONTENDED CC - CORPORATION CC - POLITE TO CORPORATION CC - POLITE TELEPHONE CC - POLITE TELEVISION CC - POLITE TELEVISION CC - POLITE TELEPHONE CC - POLITE TELEPHONE CC - POLITE	BOS -	- BOTTOM OF STRUCTURE	NPW	- NON-POTABLE WATER
BW BOTH WAYS CATV - CABLE TELEVISION CB - CATCH BASIN CC - CENTER TO CENTER CC - CENTER LINE CC - CENTER LINE CC - CHAIN LINK FENCE CC - CLEAN OUT COMM - COMMUNICATIONS CC - CONCRETE CONC - CONCRETE CONC - CONCRETE CONST - CONSTRUCT CORP - CORPORATION CC - CONSTRUCT CORP - CORPORATION CC - CONTROL STRUCTURE A DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST CL - ELEVATION ELEC - ELECTRIC EC - ELECTRIC EC - ELECTRIC EC - FINE BEPARTMENT CONNECTION FF - FINISHED FLOOR GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HP - HIGH POINT INV - INVERT LL - LARGE GEASEMENT LL - LARGATION LL - LARC LENGTH LL - LANDSCAPE EASEMENT LL - LIMER FOOT LL - LIGHT POLE LT - LEFT DW - DROPSSURE FORCE MAIN LT - LEFT LT - LINEAR FOOT LT - LEFT OC - ON CENTER CO - OFFICIAL RECORDS OT - OVERHEAD CEBLE CHECK DO - OVERHEAD CEBLE CHECK DO - OVERHEAD CEBLE CHECK OR - OFFICIAL RECORDS OT - OVERHEAD CEBLE CHECK DO - POINT OF CURVATURE PB - POLYETHYLENE PB - PLAT BOOK PB - POLYETHYLENE PP - POINT OF TENESTION PB - POLYETHYLENE PP - PROPOSED POLYETHYLENE PP - PROPOSED PROLYTHYLENE PP - PROPOSED POLYTHYLENE PP - POINT OF TANGENCY PP - PROPOSED POLYTHYLENE PP - POINT OF INTERSECTION PB - POLYETHYLENE PP - POLYETHYLENE PP - POUNT OF INTERSECTION PB - POLYETHYLENE PP - POL	BT -	- BURIED TELEPHONE	NTS	- NOT TO SCALE
CATY - CABLE TELEVISION CB - CATCH BASIN CC - CENTER TO CENTER CC - CENTER TO CENTER CC - CENTER TO CENTER CIP - CAST IRON PIPE Q - CENTER LINE CLF - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - CORRUGATED METAL PIPE CONS - CONCRETE CONC - CONCRETE CONST - CONSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE DE - DEATHANGE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILLE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION ELEC - ELECTRIC CP - FERENTMENT CONNECTION FF - FINISHDE FLOOR FF - FORCE MAIN FV - FUSHING VALVE OUTLET G - GAS GAUGE GALVANIZED GALVANIZED TO - TOP OF CIRB TY - THE FLOOR GALVANIZED GALVANIZED TO - TOP OF PIPE HP - HIGH PENSITY POLYETHYLENE HP	BTV -	- BURIED CABLE TELEVISION	O/W	- OVERHEAD WIRE
CB - CATCH BASIN CC - CENTER TO CENTER CD - CAST IRON PIPE Q - CENTER LINE CLF - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS COMC - CONCRETE CONSTRUCT CORP - CORSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE A DELTA ANGLE DEC - DETECTOR DOUBLE CHECK VALVE DE DRAINAGE EASEMENT DIP - DUCTILLE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST E - EAST E - EAST E - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - SISTING FF - FINISHED FLOOR FF - FORCE MAIN FV - FORCE MAIN FV - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE LE - LARGLE HP - HIGH POINT INV - INVERT LE - LARGLE HP - HIGH POINT INV - INVERT LE - LARGLE HP - HIGH POINT INV - INVERT LE - LANGSCAPE EASEMENT LE - LIMER COK BEARING RATIO LE - LANDSCAPE EASEMENT LT - LIGHT POLE LEPT VY - YELLOW & YELLOW VY - YELLOW & YELLOW EVENT - PART PAIN TY - YELLOW & YELLOW EVENT - WATER MAIN VY - YELLOW & YELLOW LE - LIGHT POLE LEPT VY - YARD DRAIN TY - YELLOW & YELLOW LE - LIGHT POLE LEPT VY - YELLOW & YELLOW LE - LIGHT POLE LEPT VY - YELLOW & YELLOW LE - LIGHT POLE LEPT VY - YELLOW & YELLOW LE - LIGHT POLE LEPT VY - YELLOW & YELLOW VY - YELLOW & YELLOW LE - LOW RESSURE FORCE MAIN VY - YELLOW & YELLOW LE - LEPT VY - YELLOW & YELLOW LE - LEPT VY - YELLOW & YELLOW VY - YELLOW & YELLOW LE - LEPT CO - COVERHEAD CAD PROCEDED CO - OVERHEAD CABLE TO - TOP OF CURB TO - TOP OF PIPE TY - TYPICAL UNC - WITHOUT VICE - WATER MAIN VIC	BW -	- BOTH WAYS	ОС	- ON CENTER
CC - CENTER TO CENTER CIP - CAST IRON PIPE Q - CENTER LINE CLF - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS COM - CONCRETE CONSTRUCT CONSTRUCT CORP - CORSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DB - DATE AND PIPE DB - POLUTION PIPE DB - POLITION PIPE DB - POLITION PIPE DB - POLITION PIPE DB - POLITION PIPE DB - POLIT	CATV -	- CABLE TELEVISION	OE	- OVERHEAD ELECTRIC
CIP - CAST IRON PIPE { C - CENTER LINE	СВ -	- CATCH BASIN	OFO	- OVERHEAD FIBER OPTICS
© - CENTER LINE CLF - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS CONC - CONCRETE CONST - CONSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DAIMAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE ELEC - ELECTRIC ELEC - ELECTRIC EDP - EDGE OF PAVEMENT EX - EXISTING FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FF - FORCE MOUNTERTERERCE MOUNMENT FF - FORMETT REFERCE MOUNMENT FF - FORMETT REFERCE MOUNMENT FF - FOLL TITE FF -	CC -	- CENTER TO CENTER	OR	- OFFICIAL RECORDS
CLF - CHAIN LINK FENCE CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS CONC - CONCRETE CONC - CONCRETE CONCST - CONSTRUCT COMP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FIRE HYDRANT FL - FLANGE FM - FORCE MAIN FL - FLANGE GAS - GAIVANIZED GAS - GAIVANIZED GAS - GAIVANIZED GAS - GAIVANIZED GA - GAUGE GALV - GALVANIZED GA - GAIVER HDP - HIGH-DENSITY POLYETHYLENE LE - LARGE HIGH-DENSITY POLYETHYLENE LE - LIMEROCK BEARING RATIO LE - LIMEROCK BEARING RATIO LT - LIGHT POLE LT - LLEFT PC - POLYVIT CHLORIDE PR - POLLUTION RETARDANT HIGH POLE PR - PROPPOSED PR - PROPOSED PR - PREMANENT REFERENCE MONUMENT PR - PROPERTY LINE PR - PROPETTY LINE PR - PROPOLUTION RETARDANT HERESCUE PROP - PROPOSED PR - PROPOLUTION R - PREM'AET ANDAUT HERESCUE PROP - PROPOSED PR - PROPOSE	CIP -	- CAST IRON PIPE	ОТ	- OVERHEAD TELEPHONE
CMP - CORRUGATED METAL PIPE CO - CLEAN OUT COMM - COMMUNICATIONS CONC - CONCRETE CONC - CONCRETE CONSTRUCT CORP - CORPORATION CS - CONSTRUCT CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DAINAGE EASEMENT DIP - DUCTILE IRON PIPE DWY - DRIVEWAY E - EAST EL - ELEVATION ELEC - ELECTRIC END - FINISHED FLOOR FF - FINISHED FLOOR FM - PERMANENT REFERENCE MONUMENT PT - POINT OF TANGENCY PVC - POLYVINYL CHLORIDE DS - DOMESTIC SERVICE DVY - DRIVEWAY E - EAST RW - RIGHT-OF-WAY EL - ELEVATION ELEC - ELECTRIC END - EDGE OF PAVEMENT EX - EXISTING FOC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FM - FORCE MAIN FVC - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GY - GALVANIZED GY - GALVANIZED GY - GALVANIZED TOC - TOP OF CURB GY - GALVANIZED TOC - TOP OF FURB HDPE - HIGH-DENSITY POLYETHYLENE L - ARC LENGTH LAT - LATERAL LER - LIMEROCK BEARING RATIO LF - LINEAR FOOT LF - LINEAR FOOT LF - LINEAR FOOT WITH WATER LT - LUEFT PC - POINT OF CURVATURE PE - POINT OF INTERSECTION PR - PROPERTY LINE PE - POINT OF CURVATURE PE - POINT OF TANGENCY PRB - POLLUTION RETARDATE BAFFLE PE - POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE PE - POOLYVINYL CHLORIDE POOLYVINYL CHLORIDE PE - POOLYVINYL CHLORIDE PE - POOLYVINYL	q.	- CENTER LINE	OTV	- OVERHEAD CABLE TELEVISION
CO - CLEAN OUT COMM - COMMUNICATIONS CONC - CONCRETE CONST - CONSTRUCT CORPORATION CS - CONTRUCT CS - CONTROL STRUCTURE DDCY - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - SISTING FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FIRE HYDRANT FIG - FLANGE FM - FORCE MAIN FIG - FLANGE GAS GA - GAUGE GALV - GALVANIZED GY - GATE VALVE DIP - DICTILETION FF - HIGH-DENSITY POLYETHYLENE FM - REFLECTIVE PAREN FM - STEEL GA - CALVE FM - FORCE MAIN FI - FIRE HYDRANT FI - FIRE HYDRANT FI - FUND FANDEN FM - FORCE MAIN FI - FUND FANDEN FM - FIRE HYDRANT FI - FUND FANDEN FM - FORCE MAIN FI - FUND FANDEN FM - FORCE MAIN FM - FUND FANDEN FM - FUND FANDEN FM - FUND FAND FANDEN FM - FUND FAND FM - FUND FANDEN FM - FORCE MONUMENT FM - FUND FANDEN FM - FROPCE FOND - FROPOSED FOR - FROPCE FM - PROPOSED FN - FROPCE FROM FANDEN FM - FROP	CLF -	- CHAIN LINK FENCE	РВ	- PLAT BOOK
COMM - COMMUNICATIONS CONST - CONSTRUCT CONST CONSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION ELE - ELECATION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FF - FORCE MAIN FV - GASS A - AGAUGE GALV - GALVANIZED GALV - GALVANIZED GALV - GALVANIZED GALV - ARC LENGTH LAT - LATERAL LER - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT UNY - INIFER LE - LIMEROCK BEARING RATIO LE - LIMEROCK BEARING RATIO LE - LIMEROCK BEARING RATIO LE - LINEAR FOOT LI - LIGHT POLE LEFT LOW PRESSURE FORCE MAIN LT - LIGHT POLE LEFT LIFT V// - YELLOW & YELLOW V// - YELLOW & YELLOW V// - YIRIFIED LET LET LIMEROCK BEARING RATIO UNK - UNKNOWN V// - YELLOW V// - YARD DRAIN LT - LIGHT POLE V// - YARD DRAIN LT - LIGHT POLE V// - YARD DRAIN V// - YELLOW V// - YELOW V// - YELOW V// - YELOW V// - YELLOW V// - YELOW V// - YELOW V// - YELOW V// - YELOW V//	CMP -	- CORRUGATED METAL PIPE	PC	- POINT OF CURVATURE
CONC - CONCRETE CONST CONSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - XISTING FT - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FF - GAS GA - GAUGE GALVA - GALVANIZED GAV - GATE VALVE DIP - DICTILE IRON FF - FINISHED FLOOR FF - FORCE MAIN FOO - FURGHAIN FOO - FU	co -	- CLEAN OUT	PE	- POLYETHYLENE
CONST - CONSTRUCT CORP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - ELEVATION ELEC - ELECTRIC EOP - EDGE OP PAVEMENT EX - EXISTING FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FLANGE FM - FORCE MAIN FV - GAUGH FV - FORCE MAIN FV - FORCE MA	COMM -	- COMMUNICATIONS	PG	- PAGE
CORP - CORPORATION CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FIRISHED FLOOR FF - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FOOR FUSHING VALVE OUTLET G - GAS GA - GAUGE GALVANIZED GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT L - ARC LENGTH LAT - LATERAL LEFT LIFE LIGHT POLE WM - PREMANENT REFERENCE MONUMENT PRM - PERMANENT REFERENCE MONUMENT PROP - PROPOSED PRD - PROPOSED PRM - PERMANENT REFERENCE MONUMENT PROP - PROPOSED PRD - PROPOSED PRM - PERMANENT REFERENCE MONUMENT PROP - PROPOSED PRD - PROPOSED PROPOSED PROPOSED PROPOSED PROPOSED PROPOSED PROPOSED PROPOSED PT - POINT CHICAL PROP - POLYVINYL CHLORIDE PP - RADIUS PR - RADIUS R. RADIUS R. RADIUS R. RADIUS PR - RADIUS R. RADIUS R. RADIUS PR - RADIUS R. RADIUS R. RADIUS R. RADIUS R. RADIUS PR - POUNTO F TANGENCY PT - POINT OF AMENT R. RADIUS R. RADIUS R. RADIUS R. RADIUS PR - POUNTS PRESURE FORE MONUMENT PT - POINT OF AMENT R. RADIUS R. RADIUS PR - POUNTS PRESURE FORE MONUMENT PT - POINT OF AMENT R. RADIUS R. RADIUS R. RADIUS PT - POUNTS PRESURE FORE MONUMENT PT - POINT OF AMENT R. RADIUS R. RADIUS R. RADIUS R. RA	CONC -	- CONCRETE	PI	- POINT OF INTERSECTION
CS - CONTROL STRUCTURE A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST EL - ELEVATION FELC - ELECTRIC EOP - EDGE OF PAVEMENT FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FIRE HYDRANT FLG - FLANGE FW - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GALTE VALVE HDPE - HIGH DENSITY POLYETHYLENE HPR - PERMANENT REFERENCE MONUMENT PROP - PROPOSED PROP - PROPOSED POP - PROPOSED PV - POLYVINYL CHLORIDE PV - POINT OF TANGENCY PSI - POUNDS PER SQUARE INCH PT - POINT OF TANGENCY PV - POINT OF TANGENCY R - POINT OF TANGENCY R - POINT OF TANGENCY	CONST -	- CONSTRUCT	ዊ	- PROPERTY LINE
A - DELTA ANGLE DDCV - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT FT - RIGHT EX - EXISTING FT - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FH - FORCE MAIN FO - FLUSHING VALVE OUTLET G - GAS GALUGE GALVANIZED G - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT LT - LIREROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT PT - POINT OF TANGENCY PO - POINTO FT ANGENCY POINT POINT POINT FR - RADIUS R - REINFORCED CONCRETE PIPE R - RADIUS R - RA	CORP -	- CORPORATION	PRB	- POLLUTION RETARDANT BAFFLE
DDCY - DETECTOR DOUBLE CHECK VALVE DE - DRAINAGE EASEMENT DF - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST DWY - DRIVEWAY E - EAST ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FORCE MAIN FV - FULUSHING VALVE OUTLET G - GAS GALV - GALVANIZED GALV - GALVANIZED GALV - GALVANIZED GALV - GALVANIZED FDE - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - INIRORADE LEA - LANDSCAPE EASEMENT LE - LINEAR FOOT LE - LIGHT POLE LEFT LEFT PY - POINT OF TANGENCY PT - POINT OF TANGENCY PT - POINT OF TANGENCY PYC - POLYVINYL CHLORIDE PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY PYC - POLYVINYL CHLORIDE PYMT - POUNT OF TANGENCY R - RADIUS R -	cs ·	- CONTROL STRUCTURE	PRM	- PERMANENT REFERENCE MONUMENT
DE - DRAINAGE EASEMENT DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DWY - DRIVEWAY E - EAST R/W - RIGHT-OF-WAY EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT FX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GALV - GALVANIZED GALV - GALVANIZED TOC - TOP OF CURB GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE LAT - LATERAL LBR - LIMBEROCK BEARING RATIO LF - LINGER FORCE MAIN LF - LINGER FORCE MAIN LF - LINGER FORCE MAIN LF - LINGER FORCE MAIN LF - LINGER FORCE MAIN LT - LEFT PT - POINT OF TANGENCY PVC - POLYVINYL CHLORIDE PVM - POLYVINYL CHLORIDE PVM - PAVEMENT R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - RADIUS R - POLYVINYL CHLORIDE R - POLYMIT - PAVEMENT R - PADIUS R - POLYMINYL CHLORIDE R - RADIUS	Δ.	- DELTA ANGLE	PROP	- PROPOSED
DIP - DUCTILE IRON PIPE DS - DOMESTIC SERVICE DW - DRIVEWAY R - RADIUS E - EAST R/W - RIGHT-OF-WAY EL - ELEVATION RCP - REINFORCED CONCRETE PIPE ELEC - ELECTRIC RPM - REFLECTIVE PAVEMENT MARKER EOP - EDGE OF PAVEMENT RT - RIGHT EX - EXISTING S - SOUTH FDC - FIRE DEPARTMENT CONNECTION SAN - SANITARY SEWER FF - FINISHED FLOOR FF - FINISHED FLOOR SD - STORM DRAIN FH - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH-DENSITY POLYETHYLENE HP - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LIMEAR FOOT LF - LIGHT POLE LPF - LIGHT POLE LT - LEFT	DDCV -	- DETECTOR DOUBLE CHECK VALVE	PSI	- POUNDS PER SQUARE INCH
DS - DOMESTIC SERVICE DWY - DRIVEWAY	DE -	- DRAINAGE EASEMENT	PT	- POINT OF TANGENCY
DWY - DRIVEWAY E - EAST RW - RIGHT-OF-WAY EL - ELEVATION RCP - REINFORCED CONCRETE PIPE ELEC - ELECTRIC RPM - REFLECTIVE PAVEMENT MARKER EOP - EDGE OF PAVEMENT EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FM - SHORT FLG - FLANGE SHT - SHEET FM - FORCE MAIN SLV - SLEEVE FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALVANIZED GV - GALVANIZED TOC - TOP OF CURB GV - GALVANIZED TOC - TOP OF PIPE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT UE - UTILITY EASEMENT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION UCP - VITRIFIED CLAY PIPE LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT W/M - WATER MAIN LF - LIGHT POLE LP - LIGHT POLE LT - LEFT	DIP -	- DUCTILE IRON PIPE	PVC	- POLYVINYL CHLORIDE
E - EAST EL - ELEVATION EL - ELEVATION ELEC - ELECTRIC EOP - EDGE OF PAVEMENT EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FF - FINISHED FLOOR FH - FORCE MAIN FU - FORCE MAIN FU - FULUSHING VALVE OUTLET FM - GAS GA - GAUGE GALVANIZED GALVANIZED GV - GATE VALVE FU - HIGH-DENSITY POLYETHYLENE FUP - HIGH-DENSITY POLYETHYLENE FUP - HIGH-DENSITY POLYETHYLENE FUR - FIRE GLAY PIPE LAT - LATERAL LAT - LATERAL LAT - LATERAL LEF - LINEAR FOOT LE - LINEAR FOOT WIT - WATER LEFT RM - REFLECTIVE PAVEMENT MARKER RPM - REFLECTIVE PAVEMENT MARKER RT - RIGHTOF WARKER RT - RIGHTOF WARKER RT - RIGHT-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY RT - SAUTH NARE REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY RT - RIGHT-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY RT - RIGHT-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY SAUTH-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY SAUTH-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY SAUTH-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY SAUTH-OF-WAY REFLECTIVE PAVEMENT MARKER RT - RIGHT-OF-WAY SAUTH-OF-WAY SAUTH-OF-WATCH SAUTH-OF-WAT	_		PVMT	- PAVEMENT
EL - ELEVATION RCP - REINFORCED CONCRETE PIPE ELEC - ELECTRIC RPM - REFLECTIVE PAVEMENT MARKER EOP - EDGE OF PAVEMENT RT - RIGHT EX - EXISTING S - SOUTH FDC - FIRE DEPARTMENT CONNECTION SAN - SANITARY SEWER FF - FINISHED FLOOR SD - STORM DRAIN FH - FIRE HYDRANT SH - SHORT FLG - FLANGE SHT - SHEET FM - FORCE MAIN SLV - SLEEVE FVO - FLUSHING VALVE OUTLET STA - STATION G - GAS STL - STEEL GA - GAUGE TEL - TELEPHONE GV - GALVANIZED TOC - TOP OF CURB GV - GATE VALVE TOP - TOP OF PIPE HDPE - HIGH-DENSITY POLYETHYLENE TYP - TYPICAL HP - HIGH POINT UE - UTILITY EASEMENT UNK - UNKNOWN IRR - IRRIGATION VCP - VITRIFIED CLAY PIPE LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER LPF - LIGHT POLE YP - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN LT - LEFT				
ELEC - ELECTRIC RPM - REFLECTIVE PAVEMENT MARKER EOP - EDGE OF PAVEMENT RT - RIGHT EX - EXISTING S - SOUTH FDC - FIRE DEPARTMENT CONNECTION SAN - SANITARY SEWER FF - FINISHED FLOOR SD - STORM DRAIN FH - FIRE HYDRANT SH - SHORT FLG - FLANGE SHT - SHEET FM - FORCE MAIN SLV - SLEEVE FVO - FLUSHING VALVE OUTLET STA - STATION G - GAS STL - STEEL GA - GAUGE TEL - TELEPHONE GALV - GALVANIZED TOC - TOP OF CURB GV - GATE VALVE TOP - TOP OF PIPE HDPE - HIGH-DENSITY POLYETHYLENE TYP - TYPICAL HP - HIGH POINT UE UTILITY EASEMENT INV - INVERT UNK OWN IRR - IRRIGATION VCP - VITRIFIED CLAY PIPE L - ARC LENGTH W WEST LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER LPF LIGHT POLE YD - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN LT - LEFT	_			
EOP - EDGE OF PAVEMENT EX - EXISTING S - SOUTH FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FH - FIRE HYDRANT FLG - FLANGE FW - FORCE MAIN FV - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALVANIZED GV - GALVANIZED GV - GATE VALVE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT LAT - LATERAL LAT - LATERAL LBR - LIMEROCK BEARING RATIO LF - LINEAR FOOT LP - LIGHT POLE L - LAND SCAPE BASEMENT LT - LIGHT POLE L - LIGHT POLE L - LIGHT POLE L - LIGHT POLE L - LOW PRESSURE FORCE MAIN LT - LEFT				
EX - EXISTING FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FH - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HP - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT LAT - LATERAL LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE L - ARC LENGTH LP - LIGHT POLE L - LOW PRESSURE FORCE MAIN LT - LEFT				
FDC - FIRE DEPARTMENT CONNECTION FF - FINISHED FLOOR FF - FINISHED FLOOR FH - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE L - LOW PRESSURE FORCE MAIN LT - LEFT SA - SANITARY SEWER SA - SANITARY SEWER SD - STORM DRAIN SD - STORM DRAIN SH - SHORT SHOR	_			
FF - FINISHED FLOOR FH - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE L - LIGHT POLE L - LOW PRESSURE FORCE MAIN LT - LEFT SH - SHORT SH - SHORT SHO			_	
FH - FIRE HYDRANT FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HP - HIGH POINT INV - INVERT INR - IRRIGATION IRR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE L - LOW PRESSURE FORCE MAIN LT - LEFT STA - SHORT SHE - SHORT SHE - SHORT SHORT SHE - SHORT SHE - SHORT SHORT SHE - SHORT STA - SHEET STA - STATION STL - STEEL TOC - TOP OF CURB TOP - TOP OF PIPE TOP - TOP OF PIPE TYP - TYPICAL UE - UTILITY EASEMENT UNK - UNKNOWN UNK - UNKNOWN WE ST UNK - WHITE & RED UNG - WITHOUT WM - WATER MAIN WM - WATER WM - W				
FLG - FLANGE FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE FVO - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION L - ARC LENGTH LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE L - LOW PRESSURE FORCE MAIN LF - LOW PRESSURE FORCE MAIN STL - STAEL STATION SLV - SLEEVE TOP - STATION UC - TOP OF CURB TOC - TOP OF CURB TOC - TOP OF CURB TOC - TOP OF CURB UE - UTILITY EASEMENT UK - UNKNOWN UK - UNKNOWN UK - UNKNOWN WEST WHITE & RED WM - WATER MAIN WM - WATER MAIN WM - WATER MAIN V/Y - YELLOW & YELLOW				
FM - FORCE MAIN FVO - FLUSHING VALVE OUTLET G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT LAT - LATERAL LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LINDAR FOOT LP - LIGHT POLE LOW PRESSURE FORCE MAIN LOW PRESSURE FORCE MAIN LOW - STATION STA - STATION TEL - STEEL TOC - TOP OF CURB TOP - TOP OF PIPE TYP - TYPICAL UP - UTILITY EASEMENT UNK - UNKNOWN VCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED W/W - WATER MAIN W/W - WATER W/			_	
FVO - FLUSHING VALVE OUTLET G - GAS STL - STEEL GA - GAUGE TEL - TELEPHONE GALV - GALVANIZED TOC - TOP OF CURB GV - GATE VALVE TOP - TOP OF PIPE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION VCP - VITRIFIED CLAY PIPE L - ARC LENGTH W - WEST LAT - LATERAL UNG - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER MAIN LF - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN Y/Y - YELLOW & YELLOW LT - LEFT				
G - GAS GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE INV - INVERT INV - INVERT L - ARC LENGTH LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LPFM - LOW PRESSURE FORCE MAIN LPFM - LOW PRESSURE FORCE MAIN LT - LEFT TOC - TOP OF CURB TOP - TOP OF PIPE TYP - TYPICAL UE - UTILITY EASEMENT UNK - UNKNOWN VCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED W/R - WHITE & RED Y/R - WATER Y/Y - YELLOW & YELLOW				
GA - GAUGE GALV - GALVANIZED GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT L - ARC LENGTH LAT - LATERAL LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT TOC - TOP OF CURB TOP - TOP OF PIPE TYP - TYPICAL UNK - UNKNOWN VCP - VITILITY EASEMENT UNK - UNKNOWN VCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED W - WATER MAIN Y/Y - YELLOW & YELLOW			_	
GALV - GALVANIZED GV - GATE VALVE TOP - TOP OF CURB TOP - TOP OF PIPE TYP - TYPICAL HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION VCP - VITRIFIED CLAY PIPE L - ARC LENGTH W - WEST LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER MAIN LF - LIGHT POLE TYP - TOP OF CURB TOP - TOP O			_	
GV - GATE VALVE HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION L - ARC LENGTH LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT TOP - TOP OF PIPE TYP - TYPICAL WE - UTILITY EASEMENT UNK - UNKNOWN VCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED WR - WATER MAIN Y/Y - YELLOW & YELLOW				
HDPE - HIGH-DENSITY POLYETHYLENE HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION L - ARC LENGTH LAT - LATERAL LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT TYP - TYPICAL UE - UTILITY EASEMENT UNK - UNKNOWN VCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED WM - WATER MAIN Y/Y - YELLOW & YELLOW		**		
HP - HIGH POINT INV - INVERT UNK - UNKNOWN IRR - IRRIGATION L - ARC LENGTH W - WEST LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT UNK - UNKNOWN WCP - VITRIFIED CLAY PIPE W - WEST W/O - WITHOUT W/R - WHITE & RED WM - WATER MAIN Y/Y - YELLOW & YELLOW			TYP	- TYPICAL
IRR - IRRIGATION L - ARC LENGTH W - WEST LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT W - WATER MAIN Y/Y - YELLOW & YELLOW			UE	- UTILITY EASEMENT
IRR - IRRIGATION L - ARC LENGTH W - WEST LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT W - WATER MAIN Y/Y - YELLOW & YELLOW	INV -	- INVERT	_	
LAT - LATERAL W/O - WITHOUT LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER MAIN LF - LINEAR FOOT WTR - WATER LP - LIGHT POLE YD - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN Y/Y - YELLOW & YELLOW LT - LEFT	IRR -	- IRRIGATION	VCP	- VITRIFIED CLAY PIPE
LBR - LIMEROCK BEARING RATIO W/R - WHITE & RED LE - LANDSCAPE EASEMENT WM - WATER MAIN LF - LINEAR FOOT WTR - WATER LP - LIGHT POLE YD - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN Y/Y - YELLOW & YELLOW LT - LEFT	L.	- ARC LENGTH	w	- WEST
LE - LANDSCAPE EASEMENT LF - LINEAR FOOT LP - LIGHT POLE LPFM - LOW PRESSURE FORCE MAIN LT - LEFT WM - WATER MAIN WTR - WATER YD - YARD DRAIN Y/Y - YELLOW & YELLOW	LAT -	- LATERAL	W/O	- WITHOUT
LF - LINEAR FOOT WTR - WATER LP - LIGHT POLE YD - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN Y/Y - YELLOW & YELLOW LT - LEFT	LBR -	- LIMEROCK BEARING RATIO	W/R	- WHITE & RED
LP - LIGHT POLE YD - YARD DRAIN LPFM - LOW PRESSURE FORCE MAIN Y/Y - YELLOW & YELLOW LT - LEFT	LE -	- LANDSCAPE EASEMENT	WM	- WATER MAIN
LPFM - LOW PRESSURE FORCE MAIN LT - LEFT Y/Y - YELLOW & YELLOW	LF -	- LINEAR FOOT	WTR	- WATER
LT - LEFT	LP -	- LIGHT POLE	YD	- YARD DRAIN
			Y/Y	- YELLOW & YELLOW
	LT -	- LEFT		NOT FOR CONCTRI

NOT FOR CONSTRUCTION

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REGISTRATION

TOWN OF PALM BEACH
PUBLIC WORKS DEPARTMENT
951 OKEECHOBEE ROAD

NORTH COUNTY ROAD DRAINAGE

WEST PALM BEACH, FL 33401

PROJECT INFORMATION

IMPROVEMENTS

TOWN OF PALM

PROJECT NUMBER
21-0431.00039

CLIENT PROJECT NUMBER

VERIFY SCALES

IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE 12/22/2022

DESIGNED BY

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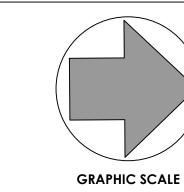
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GENERAL NOTES

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REGISTRATION

CLIENT OF PALL BEEN

TOWN OF PALM BEACH
PUBLIC WORKS DEPARTMENT
951 OKEECHOBEE ROAD
WEST PALM BEACH, FL 33401

PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

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VERIFY SCALES

ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE 12/22/2022

DESIGNED BYDC

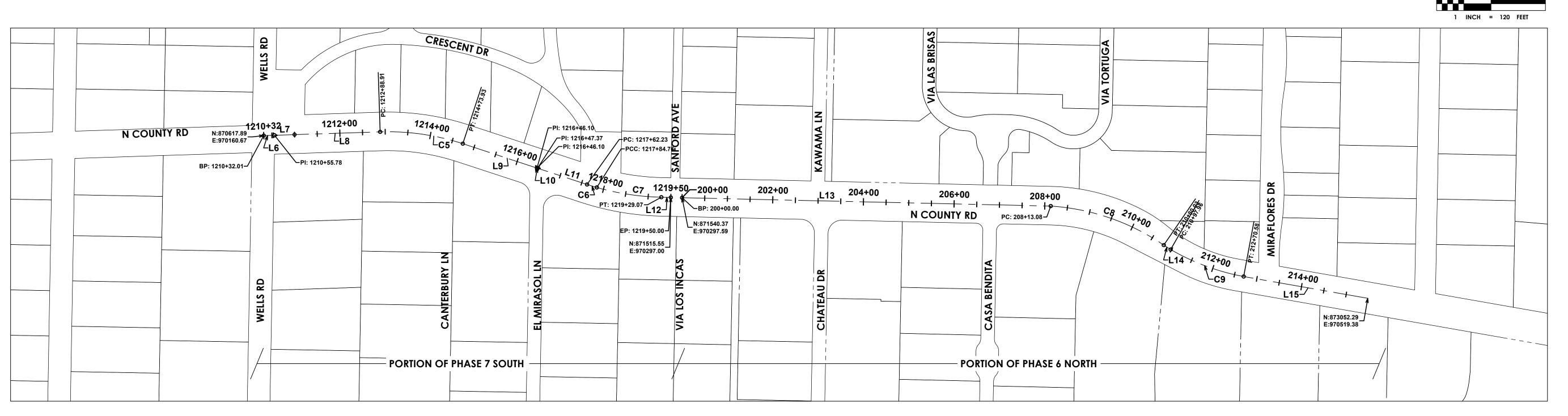
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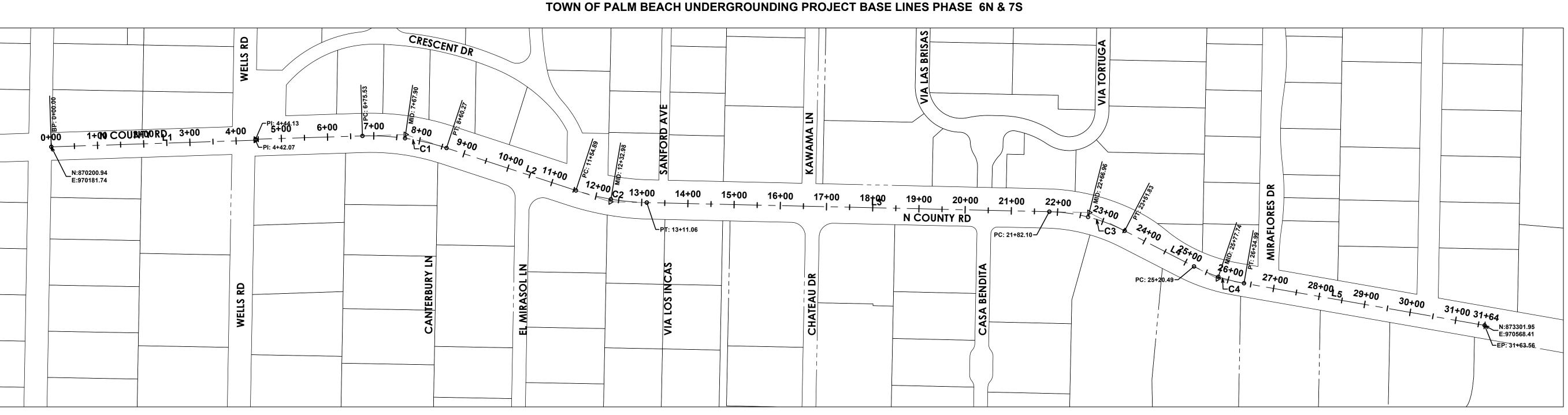
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DRAWING TITLE

SURVEY CONTROL PLAN

DRAWING NUMBER





PROPOSED PROJECT CENTERLINE ALIGNMENT

LINE TABLE: ALIGNMENTS						
NO	LENGTH	DIRECTION	START POINT (E , N)	END POINT (E , N)	START STATION	END STATION
L1	442.07'	N01°51'21"W	970181.74 , 870200.94	970167.42 , 870642.77	0+00	4+42
L2	294.62'	N18°10'38"E	970184.30 , 871056.03	970276.21 , 871335.94	8+60	11+55
L3	871.03'	N01°17'39"E	970302.52 , 871489.31	970322.19 , 872360.12	13+11	21+82
L4	168.66'	N27°13'38"E	970363.65 , 872523.22	970440.82 , 872673.20	23+52	25+20
L5	528.57'	N09°56'23"E	970477.17 , 872781.32	970568.41 , 873301.95	26+35	31+64
L6	23.77'	N01°51'21"W	970160.67 , 870617.89	970159.90 , 870641.65	1210+32	1210+56
L7	233.12'	N01°51'21"W	970159.90 , 870641.65	970152.35 , 870874.65	1210+56	1212+89
L8	233.12'	N01°51'21"W	970159.90 , 870641.65	970152.35 , 870874.65	1210+56	1212+89

	LINE TABLE: ALIGNMENTS						
NO	LENGTH	DIRECTION	START POINT (E , N)	END POINT (E , N)	START STATION	END STATION	
L9	172.17'	N18°10'38"E	970178.48 , 871056.87	970232.19 , 871220.45	1214+74	1216+46	
L10	1.27'	N18°10'39"E	970232.19 , 871220.45	970232.58 , 871221.65	1216+46	1216+47	
L11	114.86'	N18°10'39"E	970232.58 , 871221.65	970268.42 , 871330.78	1216+47	1217+62	
L12	20.93'	N01°17'38"E	970296.53 , 871494.62	970297.00 , 871515.55	1219+29	1219+50	
L13	813.08'	N01°18'08"E	970297.59 , 871540.37	970316.06 , 872353.24	200+00	208+13	
L14	17.93'	N32°50'30"E	970402.11 , 872602.55	970411.84 , 872617.62	210+80	210+98	
L15	739.96'	N09°56'24"E	970471.45 , 872778.74	970599.17 , 873507.59	212+71	220+11	

	CURVE TABLE: ALIGNMENTS						
NO	RADIUS	LENGTH	CHORD DIRECTION	START POINT (E , N)	END POINT (E , N)	START STATION	END STATION
C1	530.00'	184.74'	N08°11'29"E	970158.11 , 870874.09	970184.30 , 871056.03	6+76	8+60
C2	530.00'	156.17'	N09°44'08"E	970276.21 , 871335.94	970302.52 , 871489.31	11+55	13+11
СЗ	375.00'	169.73'	N14°15'38"E	970322.19 , 872360.12	970363.65 , 872523.22	21+82	23+52
C4	379.50'	114.50'	N18°35'01"E	970440.82 , 872673.20	970477.17 , 872781.32	25+20	26+35
C5	529.17'	185.02'	N08°09'39"E	970152.35 , 870874.65	970178.48 , 871056.87	1212+89	1214+74
C6	566.16'	22.53'	N17°02'15"E	970268.42 , 871330.78	970275.02 , 871352.33	1217+62	1217+85
C 7	566.16'	144.30'	N08°35'43"E	970275.02 , 871352.33	970296.53 , 871494.62	1217+85	1219+29
C8	496.36'	266.95'	N19°02'32"E	970316.06 , 872353.24	970402.11 , 872602.55	208+13	210+80
C9	508.62'	172.62'	N20°18'10"E	970411.84 , 872617.62	970471.45 , 872778.74	210+98	212+71



REGISTRATION

CLIENT



TOWN OF PALM BEACH
PUBLIC WORKS DEPARTMENT
951 OKEECHOBEE ROAD
WEST PALM BEACH, FL 33401
PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

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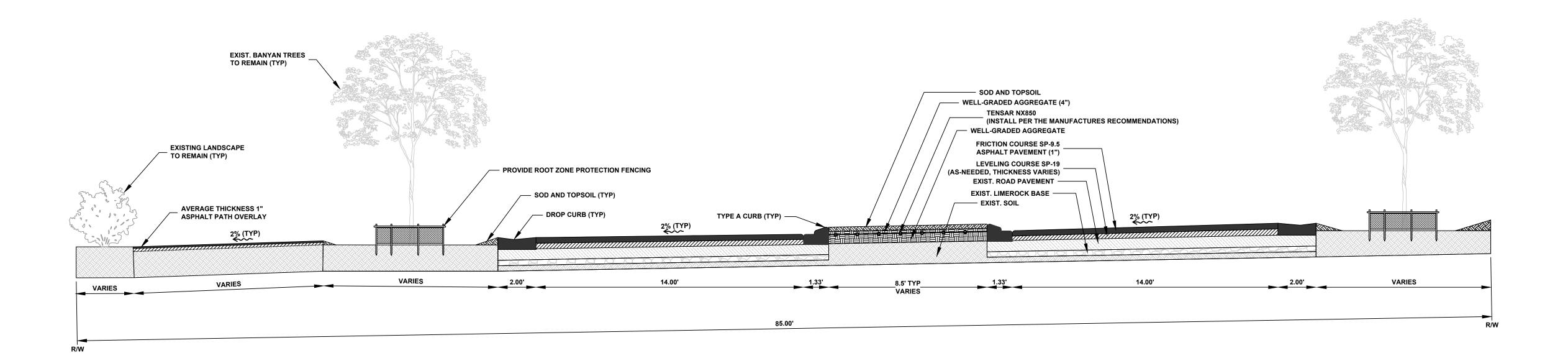
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DRAWING NUMBER

KEY-1

04 OF 24

STA: 4+40 TO STA: 22+40



STA: 22+40 TO STA: 27+00

EXIST. BANYAN TREES TO REMAIN (TYP) FRICTION COURSE SP-9.5
ASPHALT PAVEMENT (1") EXISTING LANDSCAPE
TO REMAIN (TYP) **LEVELING COURSE SP-19** (AS-NEEDED, THICKNESS VARIES) PROVIDE ROOT ZONE PROTECTION FENCING — EXIST. ROAD PAVEMENT - EXIST. LIMEROCK BASE — SOD AND TOPSOIL (TYP) - EXIST. SOIL AVERAGE THICKNESS 1"
ASPHALT PATH OVERLAY DROP CURB (TYP) — 2% (TYP) **←** 2.00' 2.00' VARIES 15.00' VARIES 70.00'

500 Australian Avenue South Suite 850 West Palm Beach, FL 33401 561.746.6900 www.chenmoore.com

REGISTRATION



951 OKEECHOBEE ROAD WEST PALM BEACH, FL 33401 PROJECT INFORMATION

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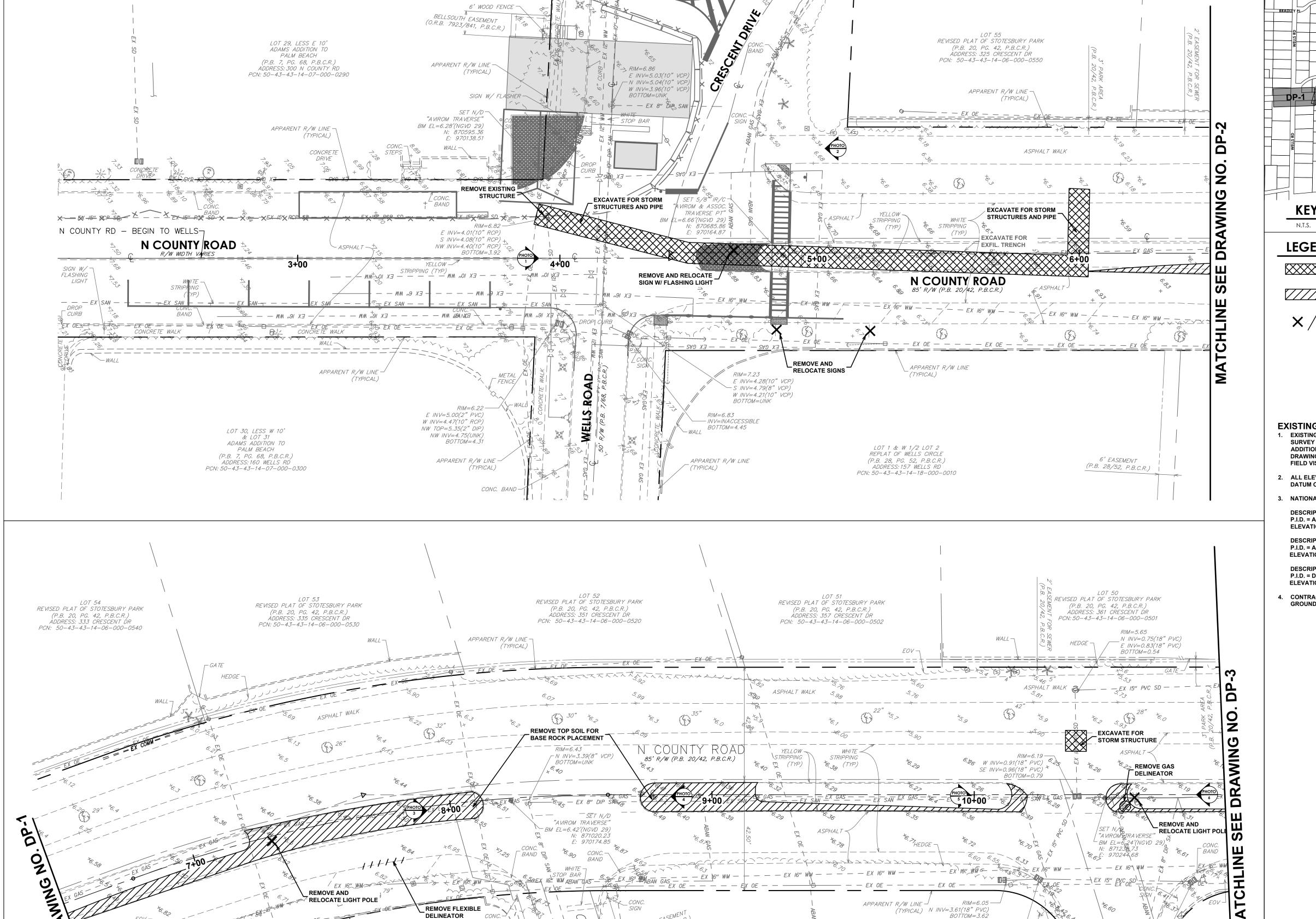
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TYPICAL SECTIONS



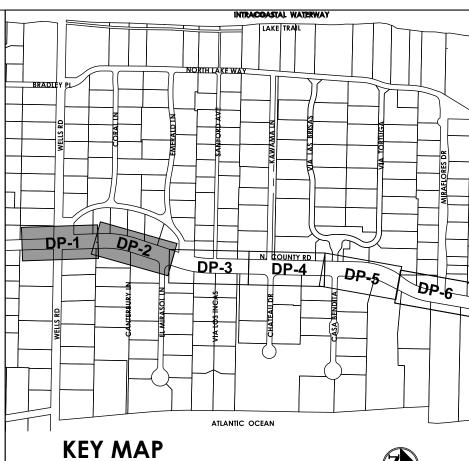
_APPARENT R/W LINE (TYPICAL)

PORTION OF GOVERNMENT LOT 2

SECTION 14-43-43 ADDRESS: 180 CANTERBURY LN PCN: 50-43-43-14-00-002-0120

PAVER DRIVE W/

CONCRETE EDGE



LEGEND

TRENCH EXISTING ROADWAY

EXCAVATION

DEMOLITION

EXISTING CONDITIONS NOTES:

- 1. EXISTING CONDITIONS PRESENTED ARE BASED ON A TOPOGRAPHIC SURVEY PROVIDED BY AVIROM & ASSOCIATES INC, 2020 & 2021. ADDITIONAL INFORMATION WAS OBTAINED FROM AS-BUILTS AND RECORD DRAWINGS PROVIDED BY UTILITY COMPANIES, G.I.S. INFORMATION AND FIELD VISITS.
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- 3. NATIONAL GEODETIC SURVEY (NGS) BENCHMARKS USED:

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P.I.D. = AD2870 **ELEVATION = 3.17 FEET (NAVD 1988) AND 4.747 (NGVD 1929)**

DESCRIPTION = BRASS DISK STAMPED "E310 1970" TIDAL BM P.I.D. = AD2862

ELEVATION = 6.92 FEET (NAVD 1988) AND 8.45 FEET (NGVD 1929)

DESCRIPTION = 872 2607 B TIDAL,

P.I.D. = DJ9593 ELEVATION = ELEVATION 3.59 FEET (NAVD 1988) AND 2.06 FEET (NGVD 1929)

4. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS, AND ABOVE GROUND UTILITIES NOT IMPACTED BY THIS PLAN.

1 INCH = 20 FEET

Sunshine [1]

EXIST RIM=5.9

BOTTOM=2.0

∽W INV=1.98(18" RCI

S INV=2.88(18" PVC) N INV=0.88(18" PVC)

W INV=1.29(18" PVC)

LOT 1 PLAT OF EL MIRASOL

(P.B. 28, PG. 60, P.B.C.R.)

ADDRESS: 148 EL MIRASOL PCN: 50-43-43-14-19-000-0010

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PROJECT INFORMATION

500 Australian Avenue South

Suite 850

West Palm Beach, FL 33401

561.746.6900

www.chenmoore.com

REGISTRATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

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EXISTING AND DEMOLITION PLAN

(P.B. 29, PG 158, P.B.C.R.) ADDRESS: 125 CHATEAUX DR

PCN: 50-43-43-14-20-000-0010

2.50' UTILITY EASEMENT

LANDSCAPE -

AREA

(P.B. 20, PG. 42, P.B.C.R.)

(P.B. 29, PG 158, P.B.C.R.)

PCN: 50-43-43-14-20-000-0020

ADDRESS: 110 CHATEAUX DR



TOWN OF PALM BEACH

PUBLIC WORKS DEPARTMENT

951 OKEECHOBEE ROAD

WEST PALM BEACH, FL 33401

NORTH COUNTY

ROAD DRAINAGE

IMPROVEMENTS

TOWN OF PALM

BEACH, FLORIDA

21-0431.00039

CLIENT PROJECT NUMBER

PROJECT NUMBER

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PROJECT INFORMATION

DP.6

LEGEND

TRENCH EXISTING ROADWAY

EXCAVATION

ATLANTIC OCEAN

DEMOLITION

EXISTING CONDITIONS NOTES:

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4. CONTRACTOR IS TO PROTECT ALL EXISTING TREES, SIGNS, AND ABOVE

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EXISTING AND DEMOLITION PLAN

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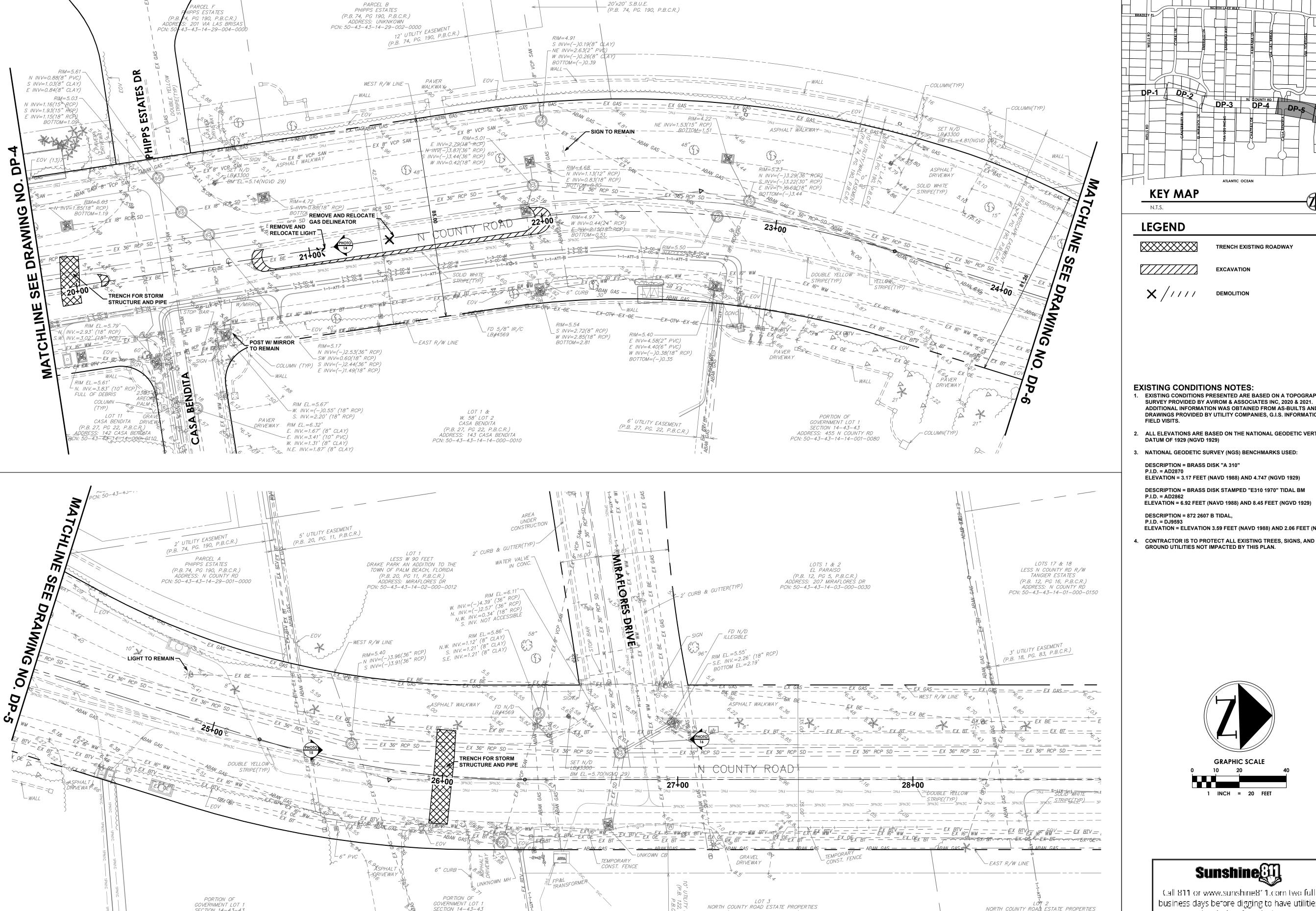
CASA BENDITA

(P.B. 27, PG 22, P.B.C.R.)

ADDRESS: 142 CASA BENDITA

PCN: 50-43-43-14-14-000-0110

1 INCH = 20 FEET



(P.B. 122, PG. 125, P.B.C.R) ADDRESS: 515 N COUNTY RD PCN: 50-43-43-14-30-000-0030

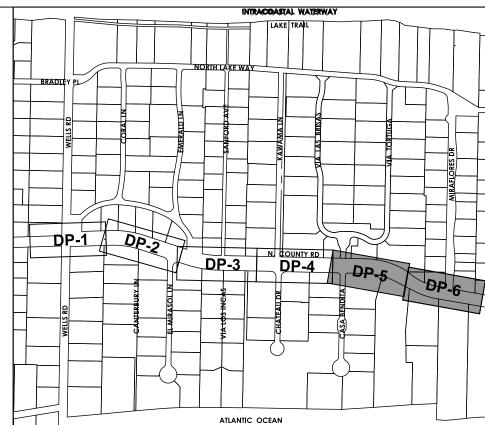
SECTION 14-43-43

< ADDRESS: 475 N COUNTY RD PCN: 50-43-43-14-14-001-0070

SECTION 14-43-43

ADDRESS: 475 N COUNTY RD

PCN: 50-43-43-14-14-001-0070



TRENCH EXISTING ROADWAY

EXCAVATION

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BEACH, FLORIDA PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

NORTH COUNTY

ROAD DRAINAGE

IMPROVEMENTS

TOWN OF PALM

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EXISTING AND DEMOLITION PLAN

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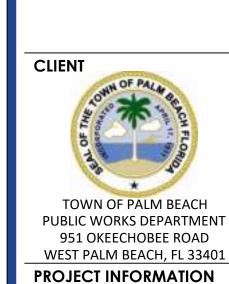
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NORTH COUNTY ROAD ESTATE PROPERTIES

(P.B. 122, PG. 125, P.B.C.R) ADDRESS: 525 N COUNTY RD PCN: 50–43–43–14–30–000–0020

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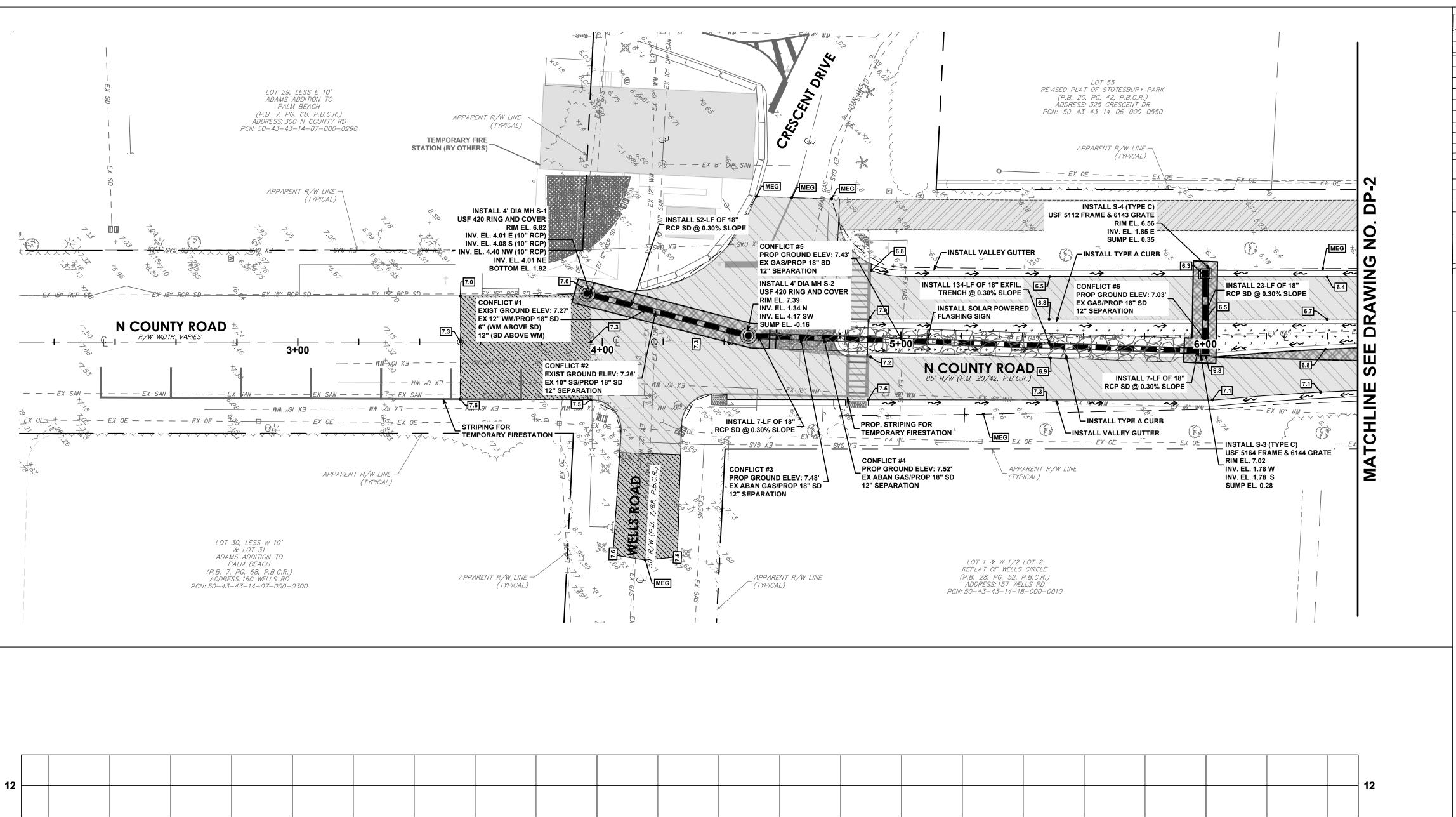
Suite 850

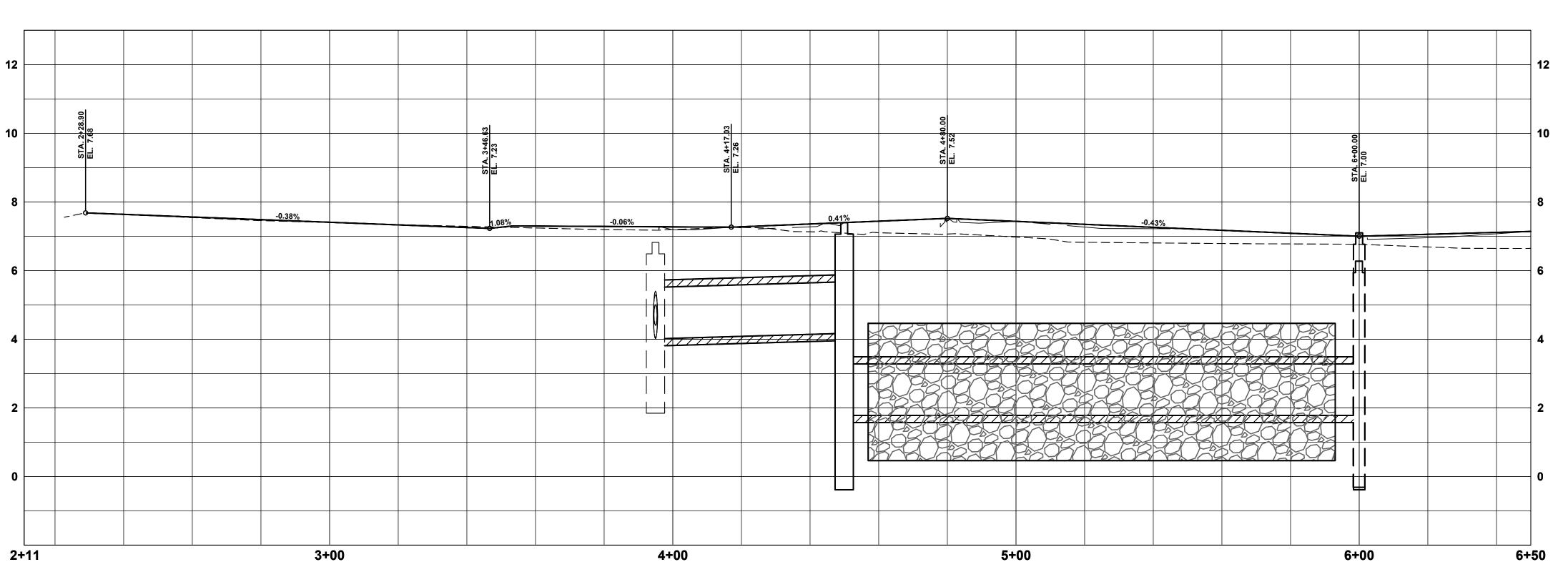
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561.746.6900

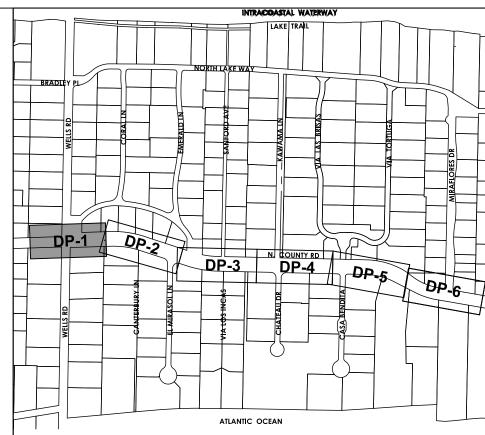
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REGISTRATION





SCALE: 1"=20' HORZ | 1"=2' VERT



LEGEND

00.00

KEY MAP

PROPOSED STORM BRAIN PIPE
WITH EXFILTRATION TRENCH
PROPOSED CATCH BASIN OR INLET
PROPOSED STORM MANHOLE

PROPOSED ELEVATION
PROPOSED SURFACE FLOW ARROW

PROPOSED SOD
FULL DEPTH OVER

FULL DEPTH OVERLAY
FULL DEPTH RECONSTRUCTION

PAVING, GRADING AND DRAINAGE NOTES:

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- ALL H-20 RATED, UNLESS OTHERWISE NOTED ON PLAN.
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- OTHERWISE SPECIFIED.

 7. BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND
- WITH NO ROCK LARGER THAN 1" DIAMETER.

 8. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO
- 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

 9. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY
- AASHTO T-180.

 10. DRAINAGE STRUCTURES AND LINES TO BE CLEANED PRIOR TO ENGINEER'S ACCEPTANCE.

GRAPHIC SCALE
0 10 20

Sunshine

1 INCH = 20 FEET

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West Palm Beach, FL 33401
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PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

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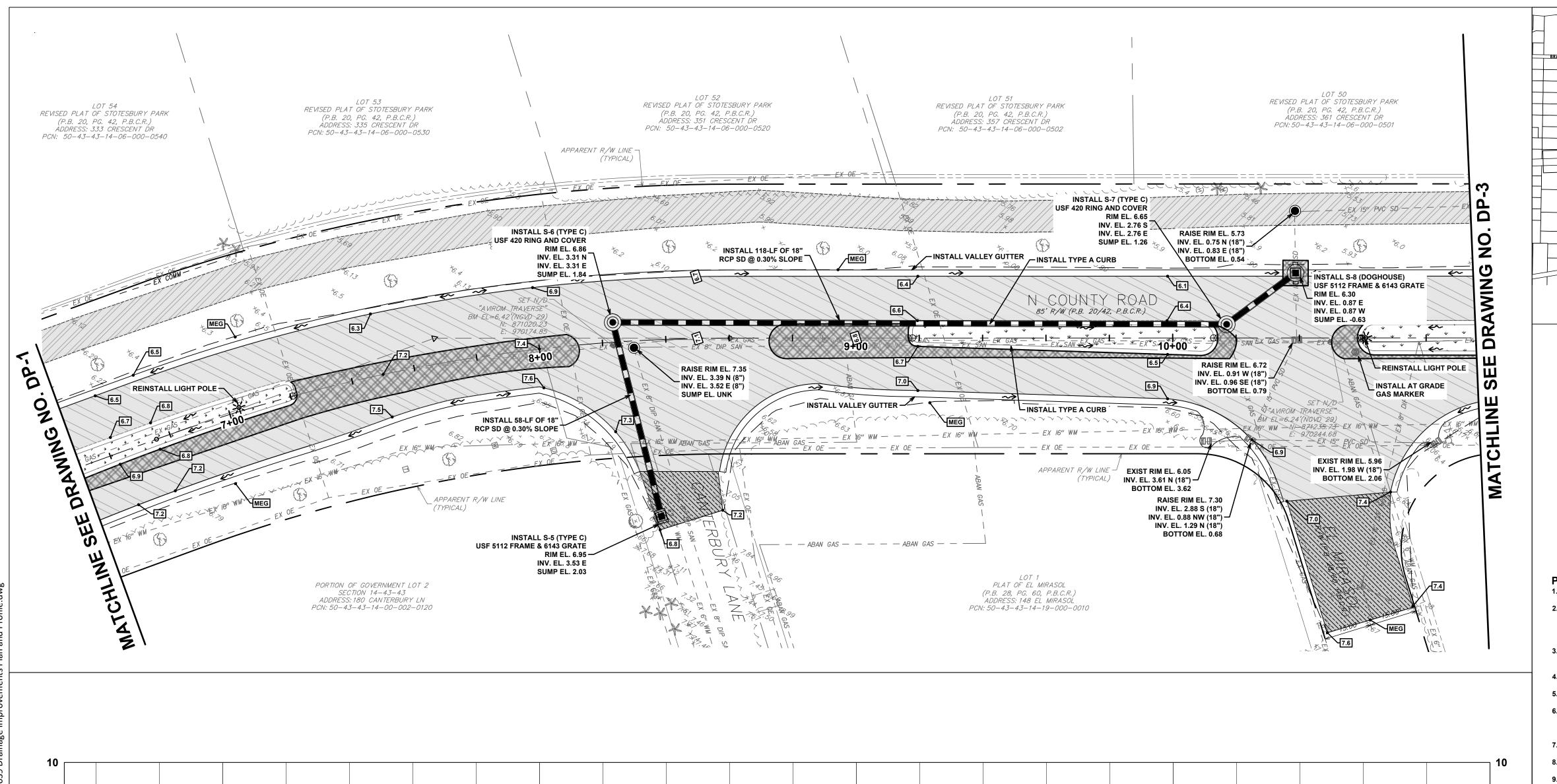
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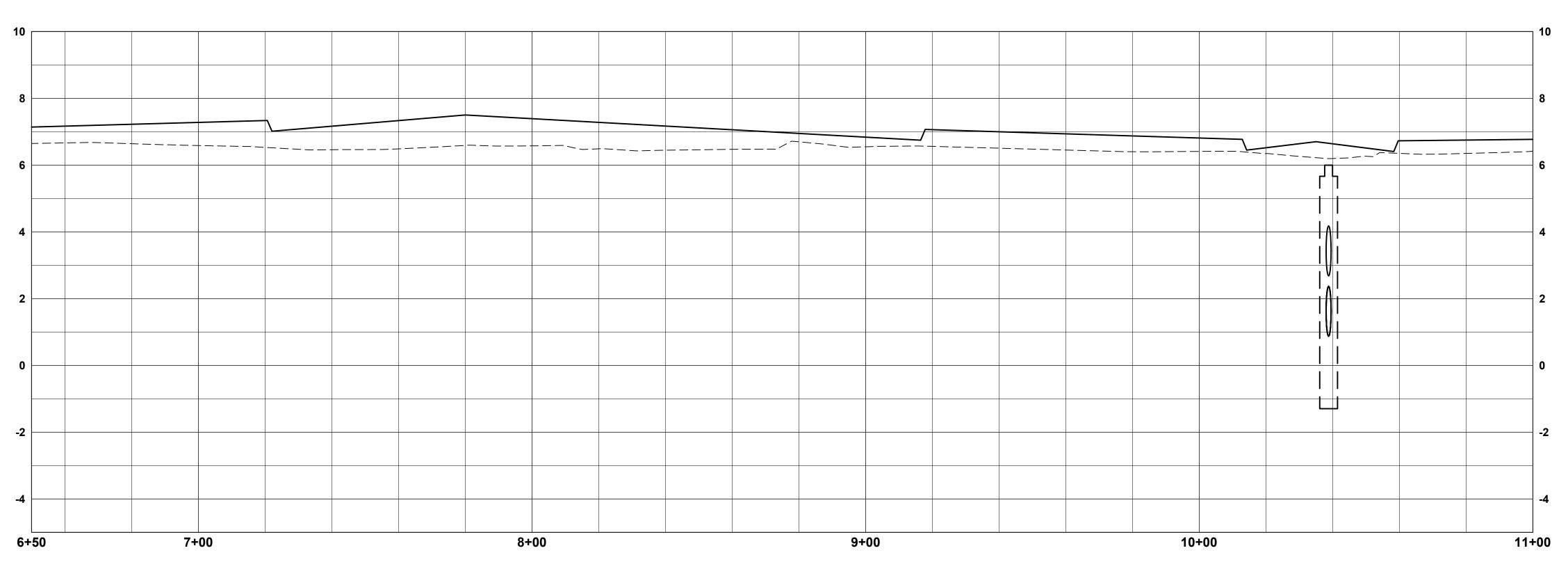
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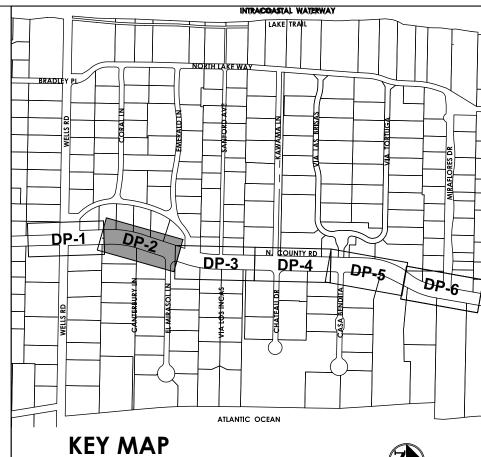
DRAINAGE IMPROVEMENTS PLAN AND PROFILE

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DP-109 OF 24







LEGEND

N.T.S.

PROPOSED STORM DRAIN PIPE

PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET

PROPOSED STORM MANHOLE

PROPOSED ELEVATION PROPOSED SURFACE FLOW ARROW

PROPOSED SOD

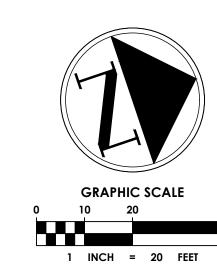
FULL DEPTH OVERLAY FULL DEPTH RECONSTRUCTION

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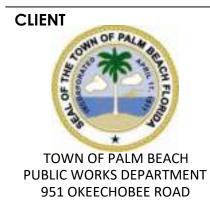
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PROJECT INFORMATION **NORTH COUNTY ROAD DRAINAGE**

WEST PALM BEACH, FL 33401

TOWN OF PALM

IMPROVEMENTS

BEACH, FLORIDA PROJECT NUMBER

21-0431.00039 **CLIENT PROJECT NUMBER**

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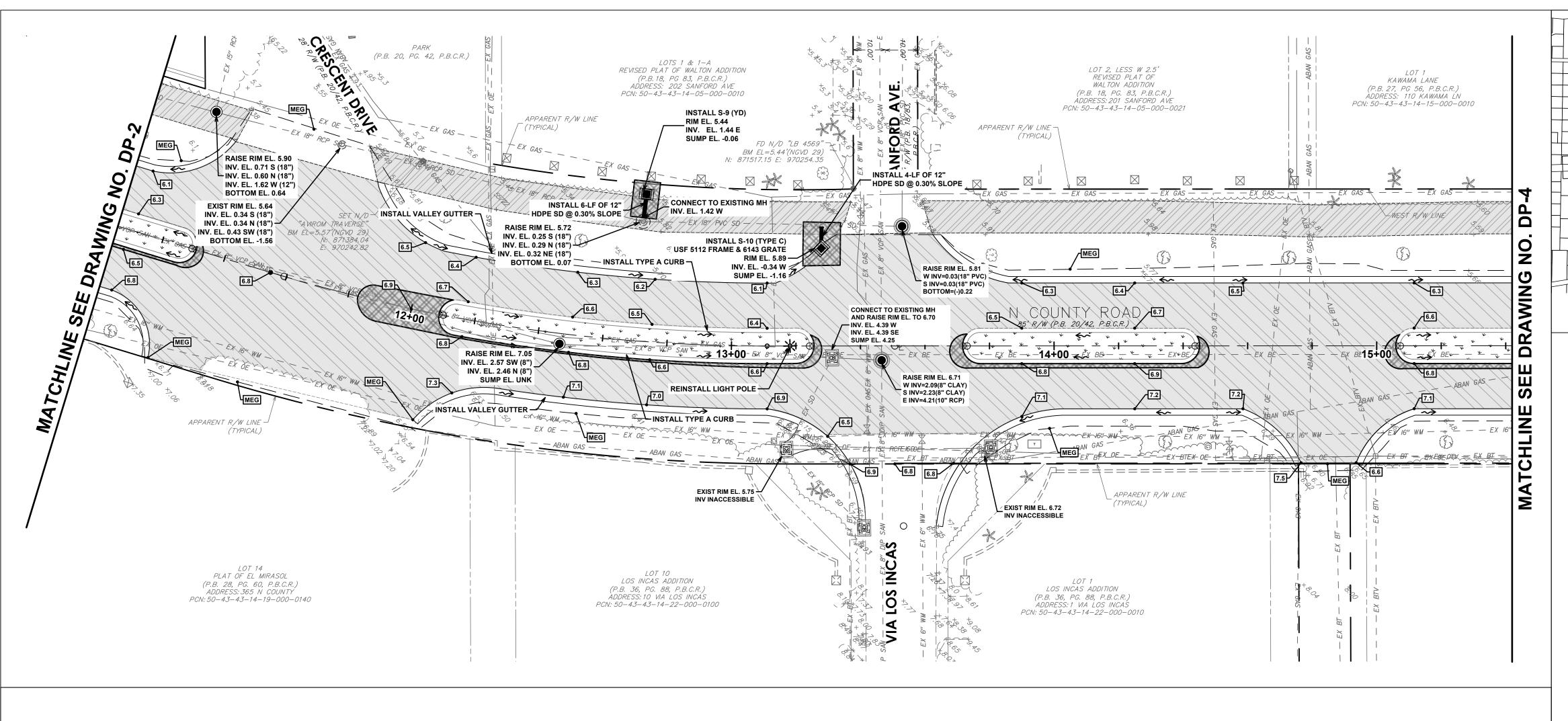
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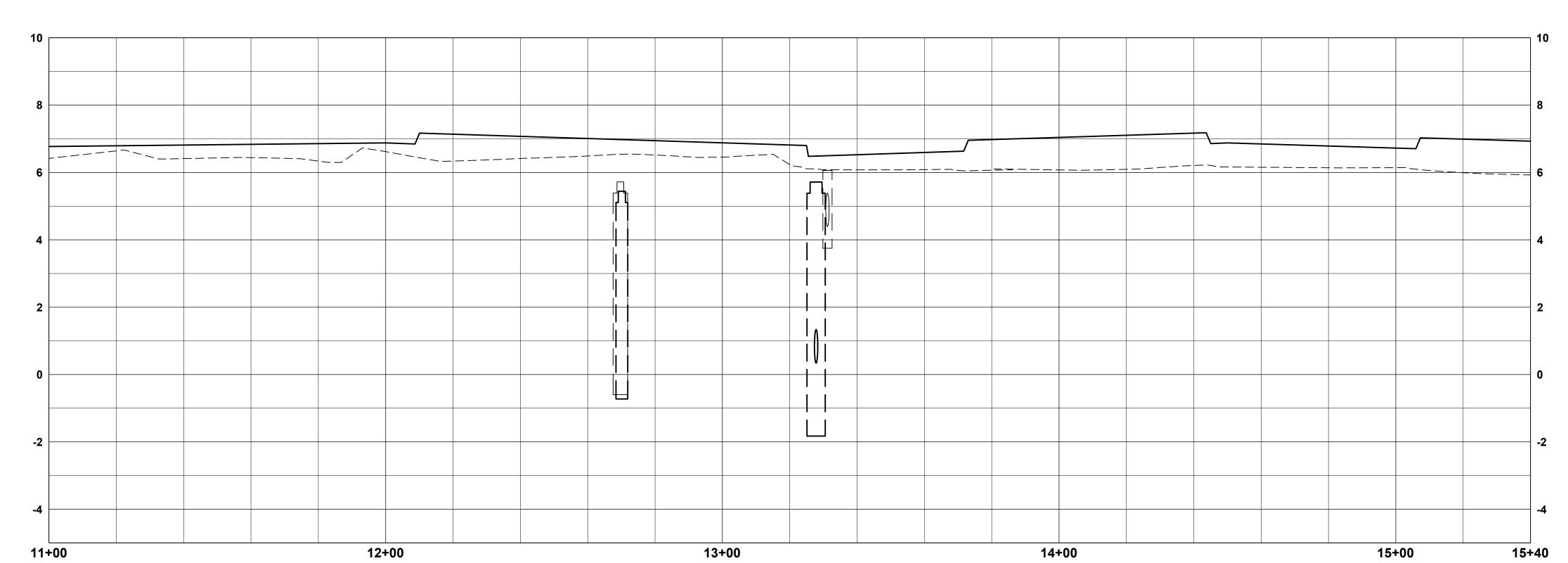
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DRAINAGE IMPROVEMENTS PLAN AND PROFILE

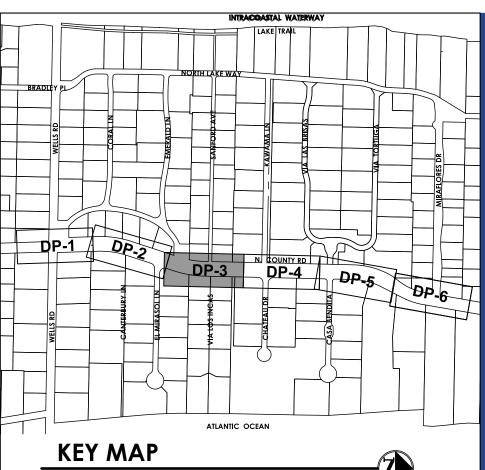
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SCALE: 1"=20' HORZ | 1"=2' VERT



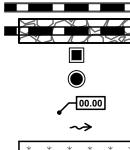


SCALE: 1"=20' HORZ | 1"=2' VERT



LEGEND

N.T.S.



PROPOSED STORM DRAIN PIPE PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET

PROPOSED STORM MANHOLE PROPOSED ELEVATION

PROPOSED SURFACE FLOW ARROW

PROPOSED SOD

FULL DEPTH OVERLAY

FULL DEPTH RECONSTRUCTION

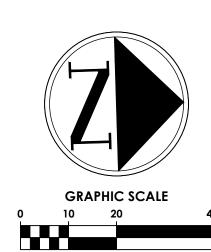
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Sunshine [1]

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WEST PALM BEACH, FL 33401 PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER

21-0431.00039 **CLIENT PROJECT NUMBER**

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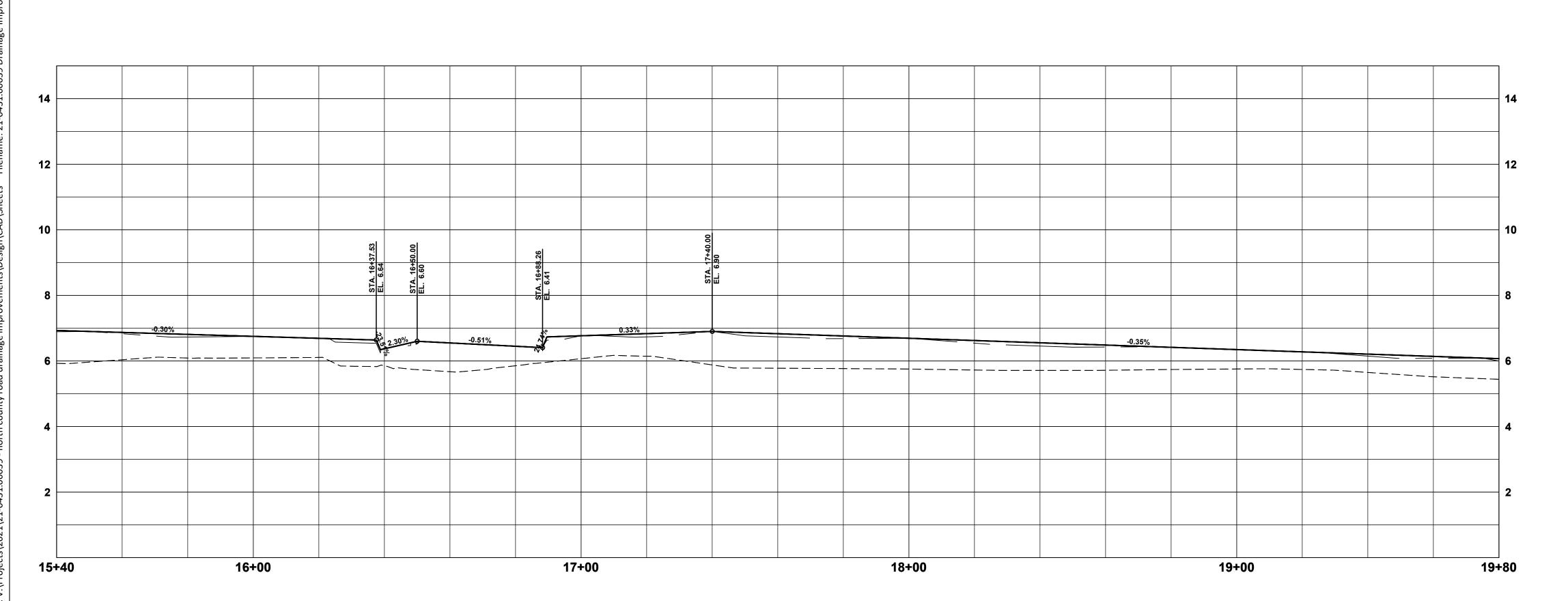
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DRAINAGE **IMPROVEMENTS PLAN AND PROFILE**



DP.6 ATLANTIC OCEAN

LEGEND

N.T.S.

PROPOSED STORM DRAIN PIPE

KEY MAP

PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET PROPOSED STORM MANHOLE

PROPOSED ELEVATION

PROPOSED SURFACE FLOW ARROW PROPOSED SOD

FULL DEPTH OVERLAY

FULL DEPTH RECONSTRUCTION

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LONGITUDINAL SLOPE AND 2% MAX. TRANSVERSE SLOPE). 5. ALL INLETS SHALL BE TYPE 'C' AND MANHOLES SHALL BE TYPE 'P-7' 4'Ø, ALL H-20 RATED, UNLESS OTHERWISE NOTED ON PLAN.

6. CONCRETE PIPE FOR STORM SEWERS SHALL CONFORM TO ASTM L76-79, TABLE III, WALL B, OR LATEST REVISION. ALL PIPE SHALL HAVE MODIFIED TONGUE AND GROOVE JOINTS, AND HAVE RUBBER GASKETS, UNLESS

OTHERWISE SPECIFIED.

7. BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1" DIAMETER.

8. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. 9. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY

ENGINEER'S ACCEPTANCE.

10. DRAINAGE STRUCTURES AND LINES TO BE CLEANED PRIOR TO

1 INCH = 20 FEET

Sunshine [1]

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500 Australian Avenue South Suite 850 West Palm Beach, FL 33401 561.746.6900 www.chenmoore.com

REGISTRATION



NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

VERIFY SCALES

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REVISIONS

DATE OF ISSUE

12/22/2022

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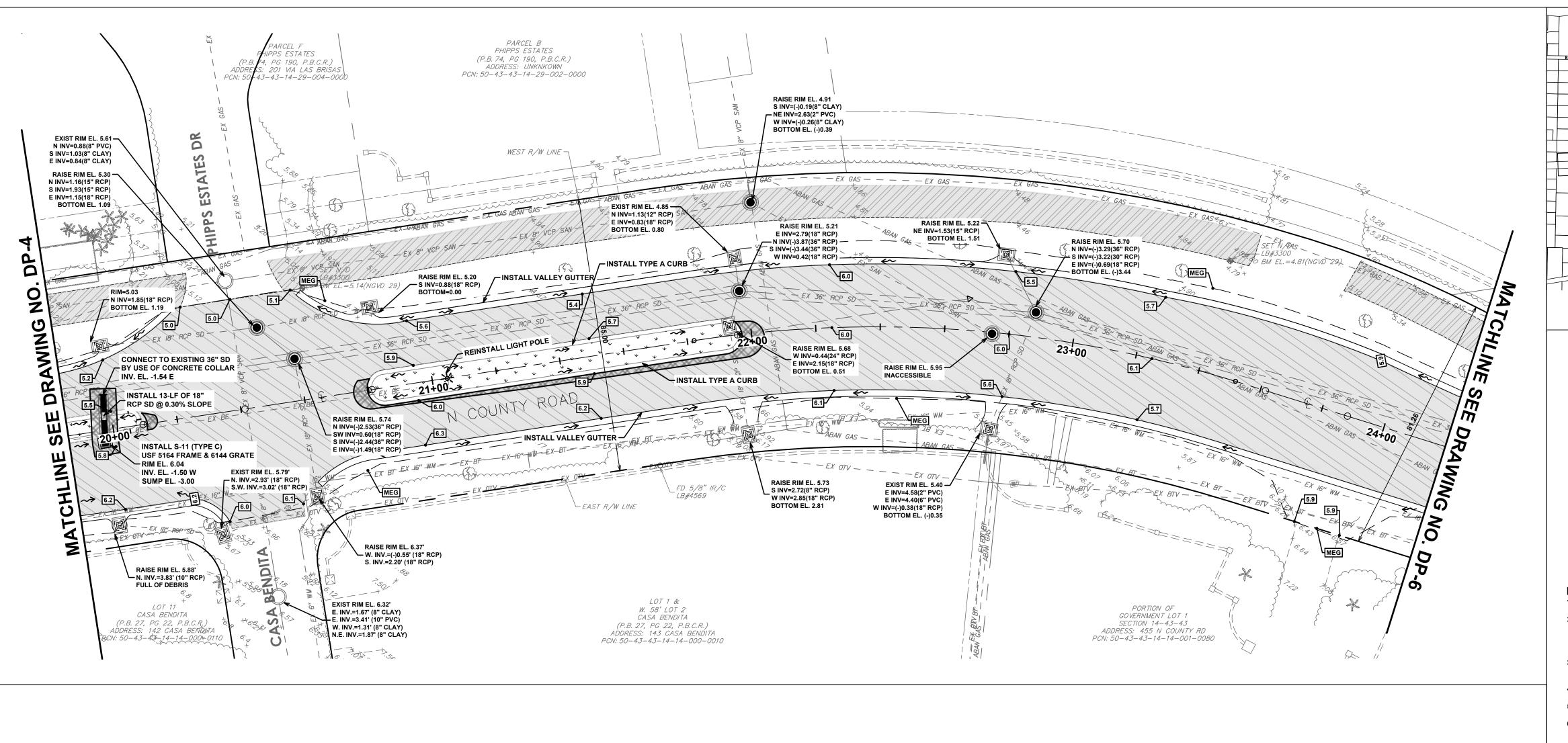
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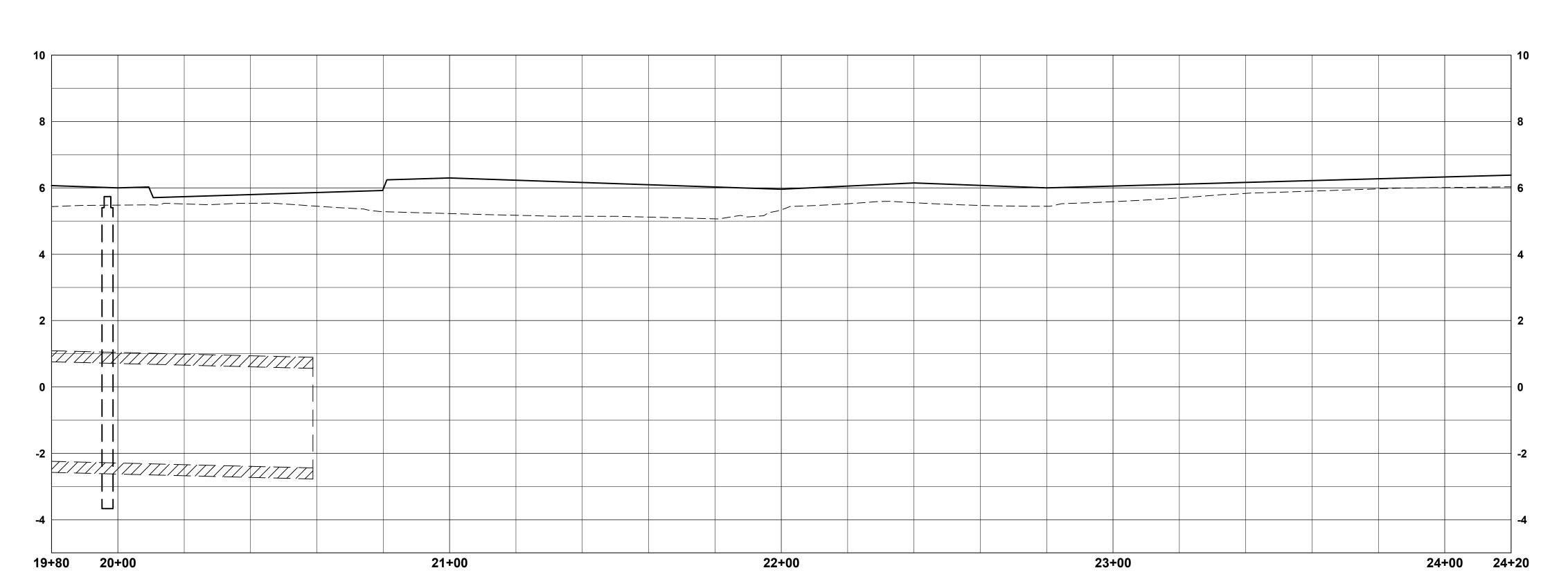
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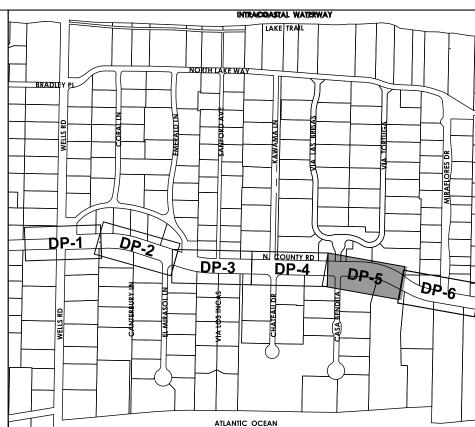
DRAINAGE **IMPROVEMENTS PLAN AND PROFILE**

DRAWING NUMBER

SCALE: 1"=20' HORZ | 1"=2' VERT

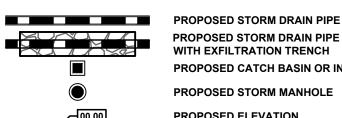






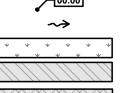
KEY MAP N.T.S.

LEGEND

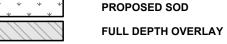


PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET PROPOSED STORM MANHOLE

PROPOSED ELEVATION



PROPOSED SURFACE FLOW ARROW



FULL DEPTH RECONSTRUCTION

PAVING, GRADING AND DRAINAGE NOTES: 1. ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NATIONAL

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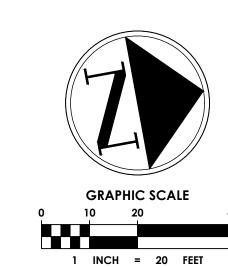
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NORTH COUNTY ROAD DRAINAGE

WEST PALM BEACH, FL 33401

PROJECT INFORMATION

TOWN OF PALM BEACH, FLORIDA

IMPROVEMENTS

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

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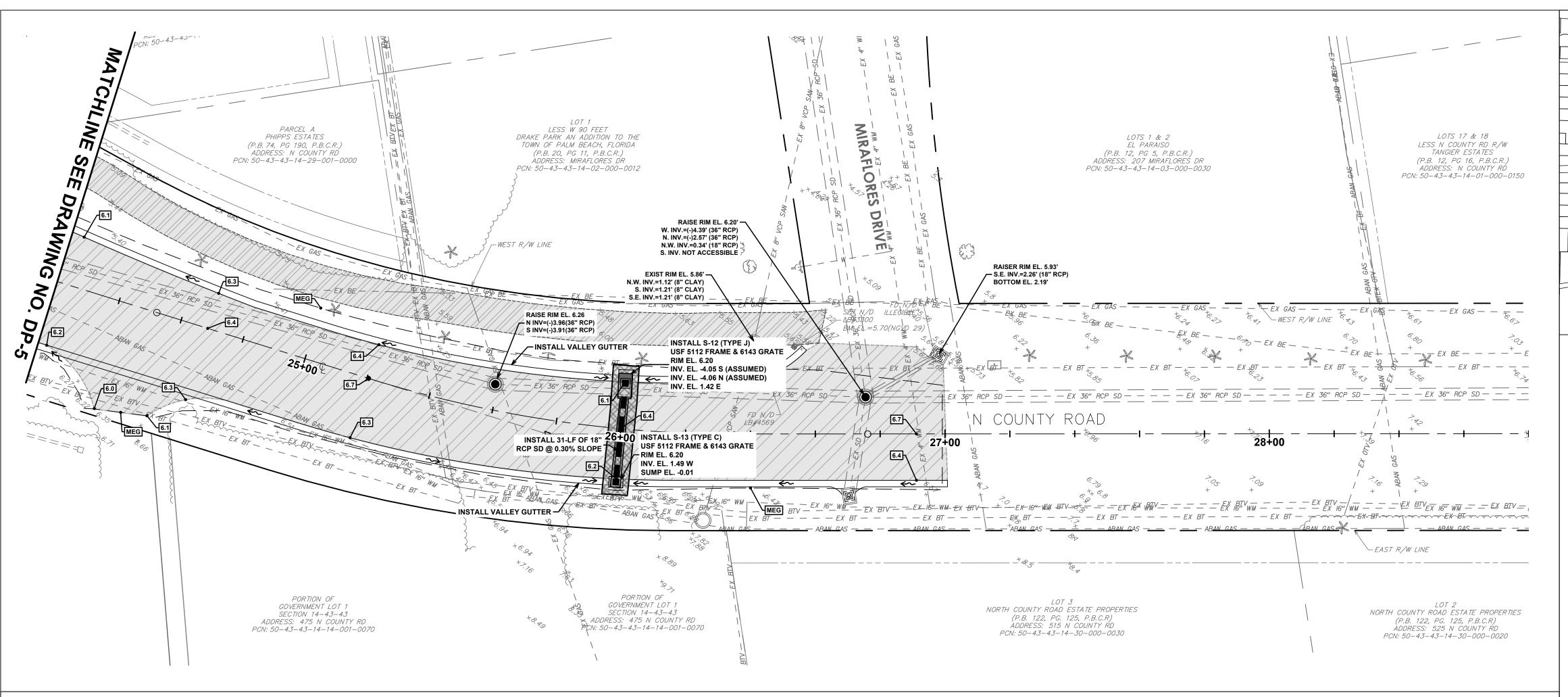
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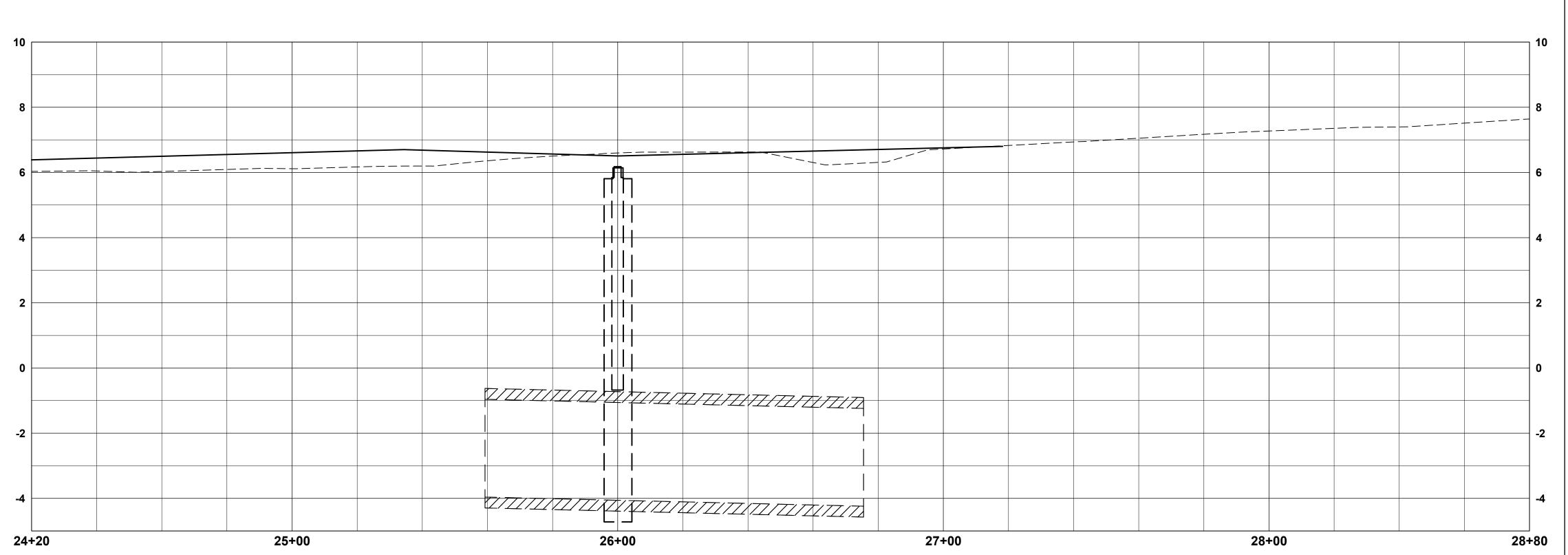
DRAINAGE **IMPROVEMENTS PLAN AND PROFILE**

DRAWING NUMBER

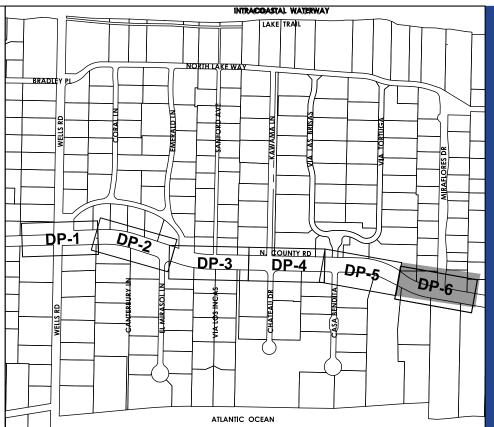
13 OF 24

SCALE: 1"=20' HORZ | 1"=2' VERT



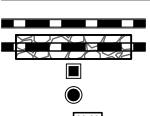


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KEY MAP N.T.S.

LEGEND



PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED STORM MANHOLE

PROPOSED ELEVATION

PROPOSED CATCH BASIN OR INLET

PROPOSED SURFACE FLOW ARROW PROPOSED SOD **FULL DEPTH OVERLAY**

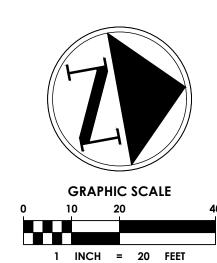
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REGISTRATION

TOWN OF PALM BEACH PUBLIC WORKS DEPARTMENT 951 OKEECHOBEE ROAD WEST PALM BEACH, FL 33401 PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

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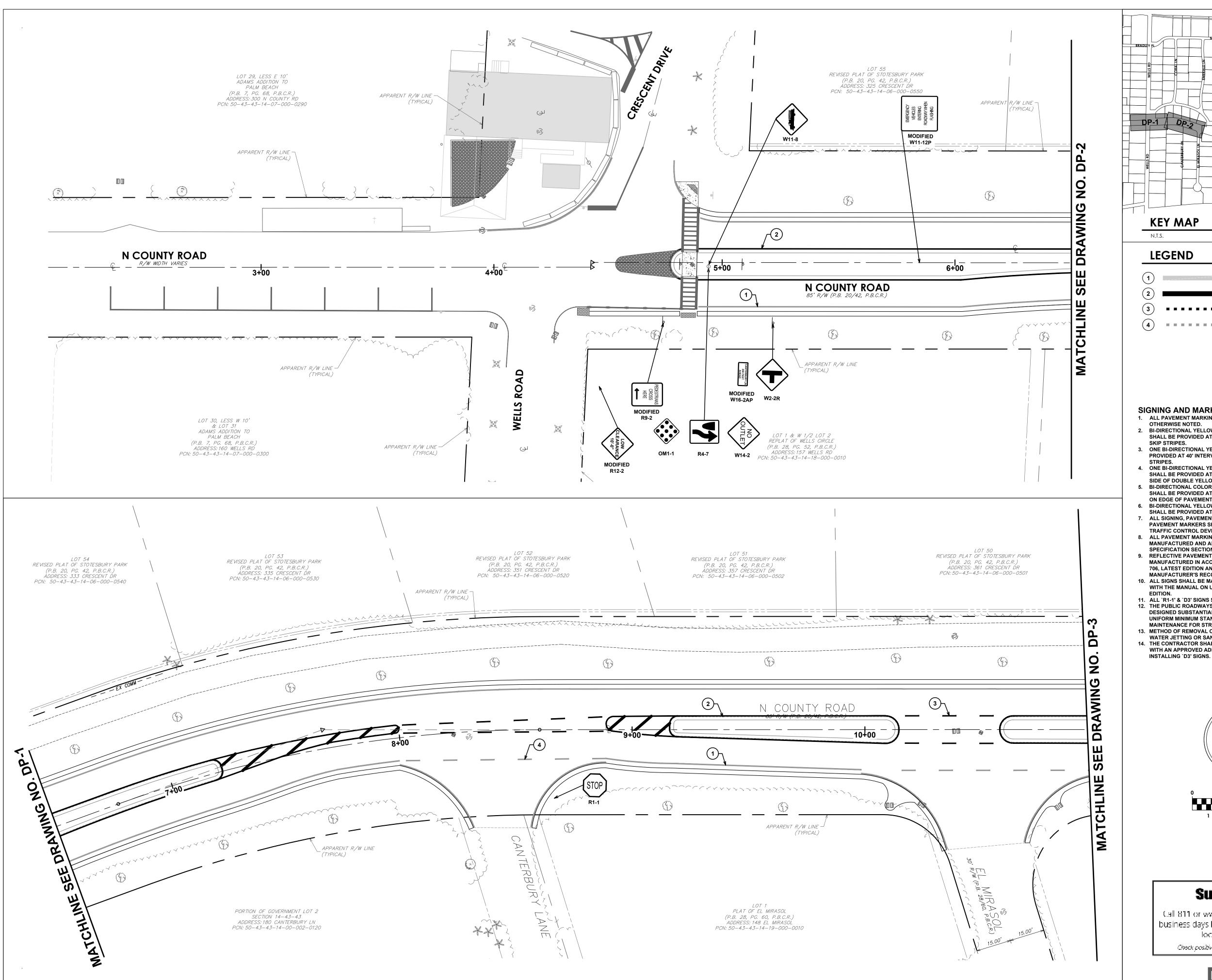
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DRAINAGE IMPROVEMENTS PLAN AND PROFILE





LEGEND

PROPOSED 6" WHITE SOLID

PROPOSED 6" YELLOW SOLID

N COUNTY RD DP-4 DP-5

DP-6

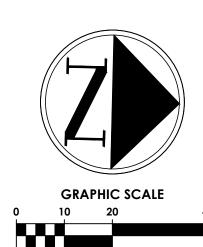
PROPOSED 6" YELLOW 6-10 SKIP (4) PROPOSED 6" WHITE 6-10 SKIP

ATLANTIC OCEAN

SIGNING AND MARKING NOTES:

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- SIDE OF DOUBLE YELLOW STRIPES. 5. BI-DIRECTIONAL COLORLESS/RED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAVEMENT LINES).
- 6. BI-DIRECTIONAL YELLOW/YELLOW REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT ALL BULLNOSES.
- 7. ALL SIGNING, PAVEMENT MARKINGS AND PLACEMENT OF REFLECTIVE PAVEMENT MARKERS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES MANUAL (MUTCD), LATEST VERSION.
- 8. ALL PAVEMENT MARKING SHALL BE HOT APPLIED THERMOPLASTIC MANUFACTURED AND APPLIED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 711, LATEST EDITION.
- 9. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 706, LATEST EDITION AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
- 10. ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST
- 11. ALL `R1-1' & `D3' SIGNS SHALL BE DIAMOND GRADE.
 12. THE PUBLIC ROADWAYS INDICATED IN THESE PLANS HAVE BEEN DESIGNED SUBSTANTIALLY IN ACCORDANCE WITH "THE MANUAL OF
- UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS-STATE OF FLORIDA". 13. METHOD OF REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE BY
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1 INCH = 20 FEET

Sunshine [1]

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WEST PALM BEACH, FL 33401

PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

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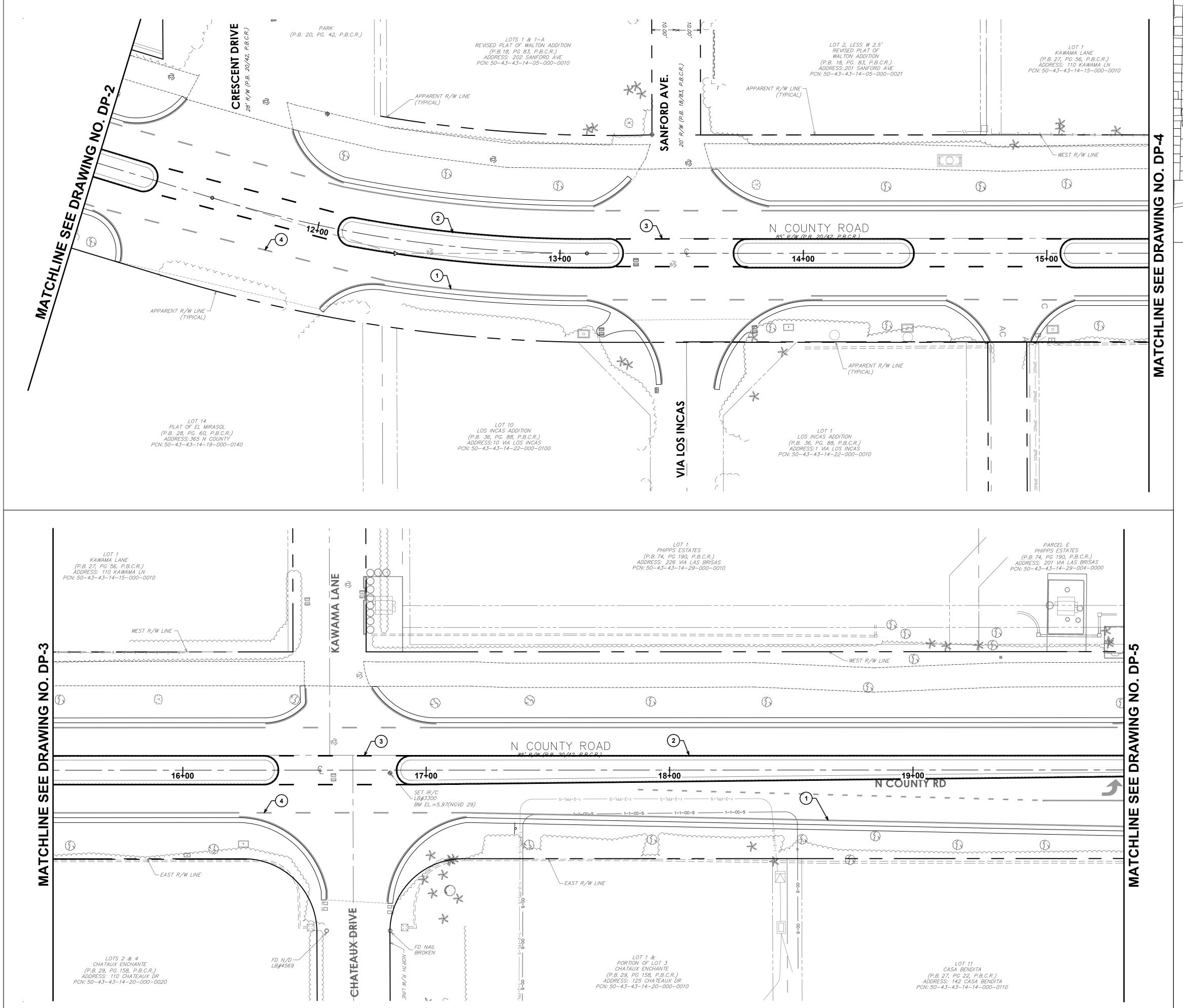
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DRAWING TITLE

STRIPING AND SIGNAGE PLAN

15 OF 24





(1) PROPOSED 6" WHITE SOLID PROPOSED 6" YELLOW SOLID

KEY MAP

LEGEND

N.T.S.

PROPOSED 6" YELLOW 6-10 SKIP (4) PROPOSED 6" WHITE 6-10 SKIP

SIGNING AND MARKING NOTES:

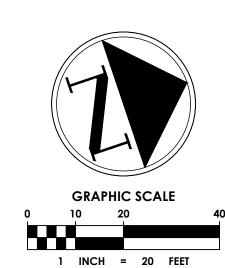
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ATLANTIC OCEAN

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INSTALLING `D3' SIGNS.



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NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

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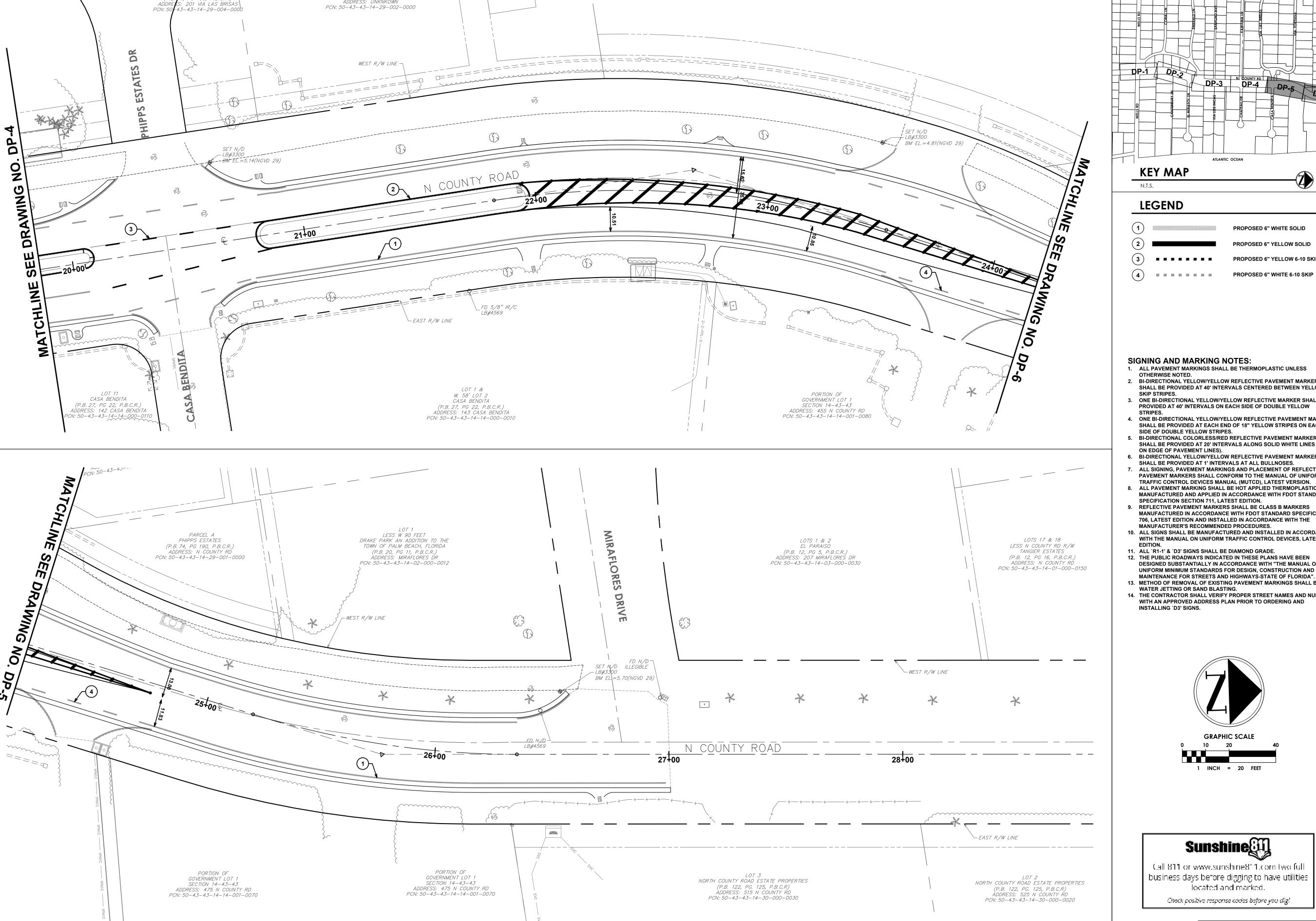
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STRIPING AND SIGNAGE PLAN

DRAWING NUMBER



PARCEL B PHIPPS ESTATES

(P.B. 74, PG 190, P.B.C.R.)
ADDRESS: UNKNKOWN

PPS ESTATES

PG 190, P.B.C.R.)



LEGEND

PROPOSED 6" WHITE SOLID

ATLANTIC OCEAN

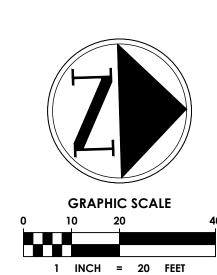
PROPOSED 6" YELLOW SOLID

PROPOSED 6" YELLOW 6-10 SKIP

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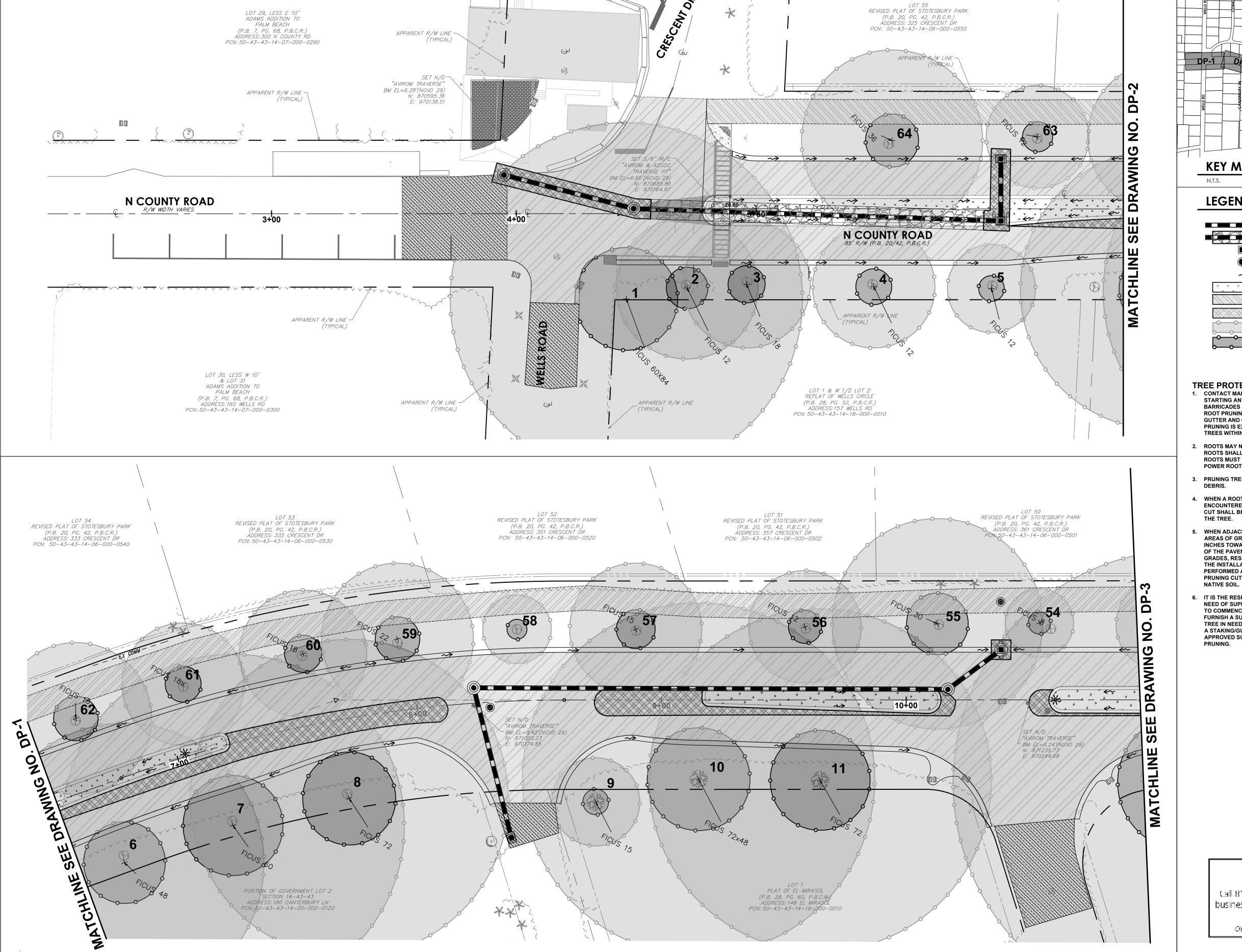
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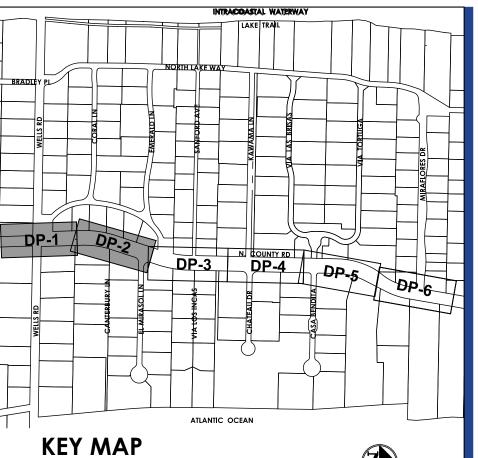
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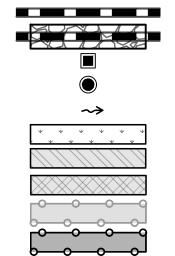
STRIPING AND SIGNAGE PLAN

DRAWING NUMBER





LEGEND



PROPOSED STORM DRAIN PIPE PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET

PROPOSED STORM MANHOLE

PROPOSED SURFACE FLOW ARROW PROPOSED SOD

FULL DEPTH OVERLAY

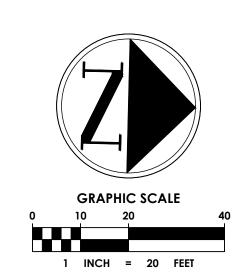
FULL DEPTH RECONSTRUCTION

CRITICAL ROOT ZONE

MINIMAL ROOT ZONE

TREE PROTECTION NOTES:

- 1. CONTACT MARSHALL AT KING TREE SERVICE AT 561-657-1652 PRIOR TO STARTING ANY CONSTRUCTION ON THIS PROJECT. THE EXISTING TREE BARRICADES MUST BE IN PLACE AND MARSHALL SHALL COORDINATE ROOT PRUNING ALONG THE EDGE OF PAVEMENT WHERE THE VALLEY GUTTER AND OTHER EXCAVATION HAS BEEN PROPOSED. THE ROOT PRUNING IS EXTREMELY IMPORTANT TO THE SURVIVAL OF THE EXISTING TREES WITHIN THIS LIMIT OF WORK
- 2. ROOTS MAY NOT BE TORN OFF WITH POWER EQUIPMENT, AND CUT ROOTS SHALL NOT BE LEFT WITH RIPPED, RAGGED OR SHREDDED ENDS. ROOTS MUST BE CLEANLY SEVERED WITH SHARP HAND TOOLS OR
- 3. PRUNING TRENCHES SHALL BE BACKFILLED WITH NATIVE SOILS, FREE OF
- 4. WHEN A ROOT WITH A DIAMETER OF TWO INCHES OR GREATER IS ENCOUNTERED, A FINAL CLEAN CUT SHALL BE MADE WITH A SAW. THE CUT SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH CLOSEST TO THE TREE.
- 5. WHEN ADJACENT TO NEW CURBING, UNCURBED PAVED AREAS, OR AREAS OF GRADE CHANGES, ROOTS SHALL BE CUT NO MORE THAN 18 INCHES TOWARDS THE TREE FROM THE BACK OF THE CURB, THE EDGE OF THE PAVEMENT, OR THE POINT OF INTERSECTION OF OLD AND NEW GRADES, RESPECTIVELY. AFTER ROOT PRUNING, NO EXCAVATION FOR THE INSTALLATION OF FORMS OR FOR ANY OTHER REASON MAY BE PERFORMED ANY CLOSER THAN SIX INCHES OUTSIDE OF THE ROOT PRUNING CUT. THE ROOT PRUNING TRENCH SHALL BE BACKFILLED WITH
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY TREES IN NEED OF SUPPLEMENTAL SUPPORT FOLLOWING ROOT PRUNING. PRIOR TO COMMENCEMENT OF ROOT PRUNING, THE CONTRACTOR SHALL FURNISH A SUPPLEMENTAL SUPPORT PLAN WHICH IDENTIFIES EACH TREE IN NEED OF TEMPORARY SUPPLEMENTAL SUPPORT AND PROPOSE A STAKING/GUYING SYSTEM. THE CONTRACTOR SHALL INSTALL THE APPROVED SUPPORT SYSTEMS IMMEDIATELY FOLLOWING ROOT



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500 Australian Avenue South Suite 850 West Palm Beach, FL 33401 561.746.6900 www.chenmoore.com

REGISTRATION

CLIENT



WEST PALM BEACH, FL 33401

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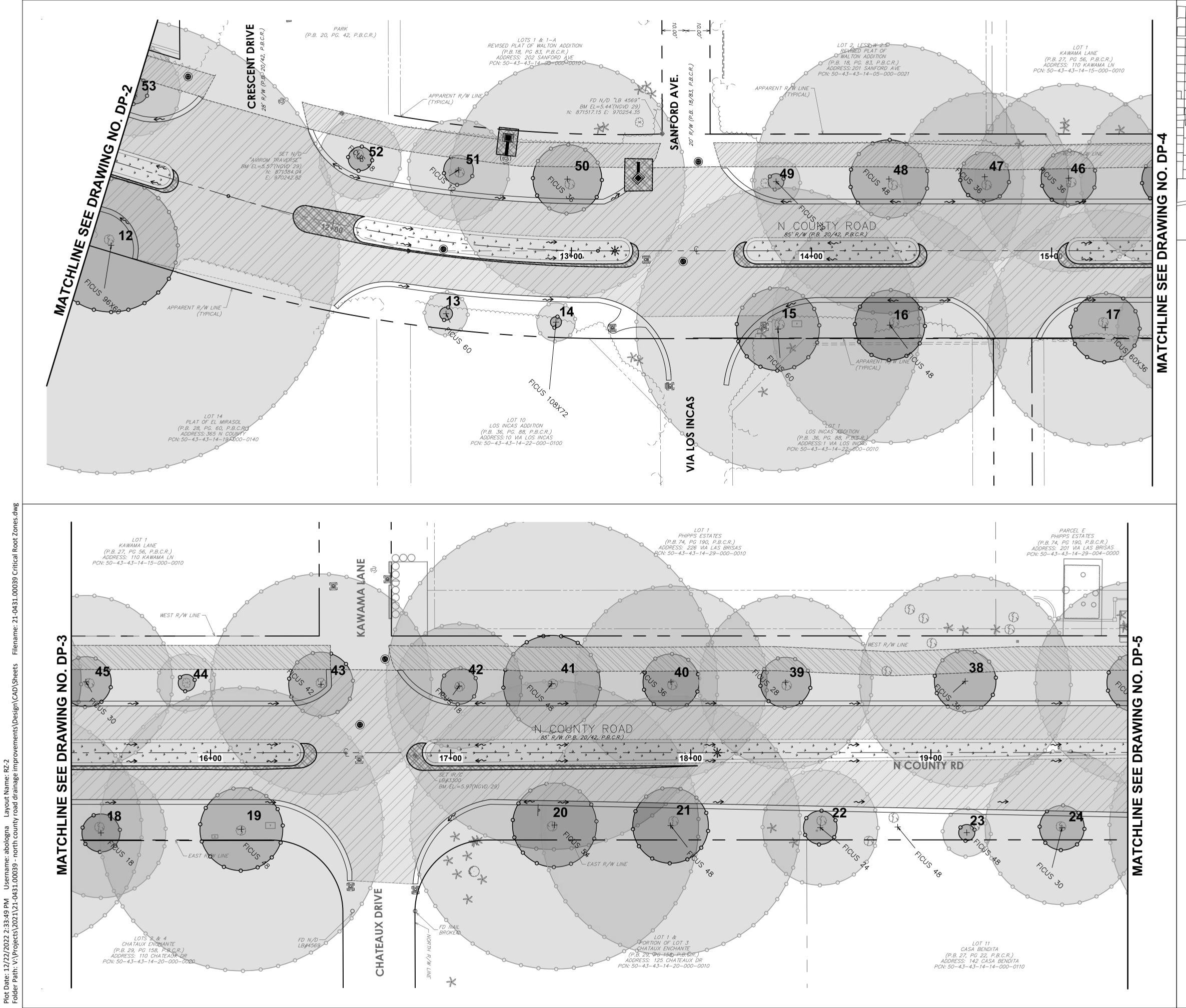
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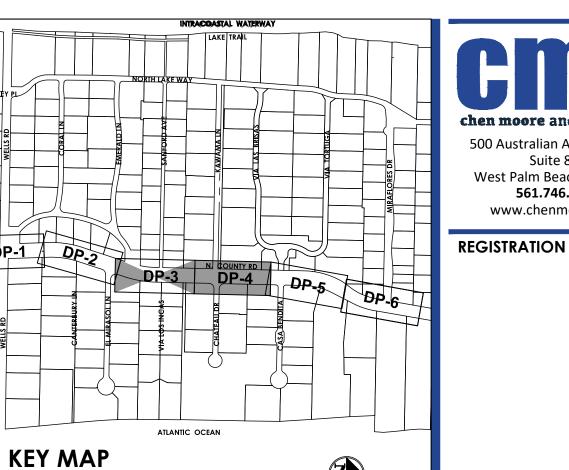
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CRITICAL ROOT ZONES FOR TREE PROTECTION

DRAWING NUMBER

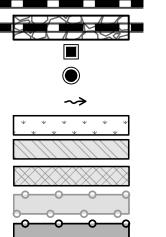
18 OF 24





LEGEND

N.T.S.



PROPOSED STORM DRAIN PIPE PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET

PROPOSED SURFACE FLOW ARROW

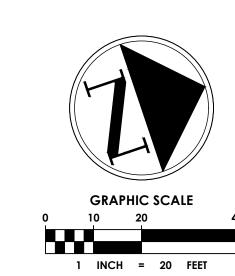
FULL DEPTH OVERLAY

CRITICAL ROOT ZONE

MINIMAL ROOT ZONE

1. CONTACT MARSHALL AT KING TREE SERVICE AT 561-657-1652 PRIOR TO STARTING ANY CONSTRUCTION ON THIS PROJECT. THE EXISTING TREE BARRICADES MUST BE IN PLACE AND MARSHALL SHALL COORDINATE ROOT PRUNING ALONG THE EDGE OF PAVEMENT WHERE THE VALLEY **GUTTER AND OTHER EXCAVATION HAS BEEN PROPOSED. THE ROOT** PRUNING IS EXTREMELY IMPORTANT TO THE SURVIVAL OF THE EXISTING TREES WITHIN THIS LIMIT OF WORK

- 2. ROOTS MAY NOT BE TORN OFF WITH POWER EQUIPMENT, AND CUT ROOTS SHALL NOT BE LEFT WITH RIPPED, RAGGED OR SHREDDED ENDS. ROOTS MUST BE CLEANLY SEVERED WITH SHARP HAND TOOLS OR POWER ROOT SAWS.
- 3. PRUNING TRENCHES SHALL BE BACKFILLED WITH NATIVE SOILS, FREE OF DEBRIS.
- 4. WHEN A ROOT WITH A DIAMETER OF TWO INCHES OR GREATER IS ENCOUNTERED, A FINAL CLEAN CUT SHALL BE MADE WITH A SAW. THE CUT SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH CLOSEST TO THE TREE.
- 5. WHEN ADJACENT TO NEW CURBING, UNCURBED PAVED AREAS, OR AREAS OF GRADE CHANGES, ROOTS SHALL BE CUT NO MORE THAN 18 INCHES TOWARDS THE TREE FROM THE BACK OF THE CURB, THE EDGE OF THE PAVEMENT, OR THE POINT OF INTERSECTION OF OLD AND NEW GRADES, RESPECTIVELY. AFTER ROOT PRUNING, NO EXCAVATION FOR THE INSTALLATION OF FORMS OR FOR ANY OTHER REASON MAY BE PERFORMED ANY CLOSER THAN SIX INCHES OUTSIDE OF THE ROOT PRUNING CUT. THE ROOT PRUNING TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY TREES IN NEED OF SUPPLEMENTAL SUPPORT FOLLOWING ROOT PRUNING. PRIOR TO COMMENCEMENT OF ROOT PRUNING, THE CONTRACTOR SHALL FURNISH A SUPPLEMENTAL SUPPORT PLAN WHICH IDENTIFIES EACH TREE IN NEED OF TEMPORARY SUPPLEMENTAL SUPPORT AND PROPOSE A STAKING/GUYING SYSTEM. THE CONTRACTOR SHALL INSTALL THE APPROVED SUPPORT SYSTEMS IMMEDIATELY FOLLOWING ROOT PRUNING.



Sunshine

Call 811 or www.sunshme811.com two full business days before digging to have utilities located and marked.

Check positive response codes before you dig!

500 Australian Avenue South Suite 850 West Palm Beach, FL 33401 561.746.6900 www.chenmoore.com

PROPOSED STORM MANHOLE

PROPOSED SOD

FULL DEPTH RECONSTRUCTION

TREE PROTECTION NOTES:

PROJECT INFORMATION **NORTH COUNTY ROAD DRAINAGE IMPROVEMENTS**

TOWN OF PALM BEACH

PUBLIC WORKS DEPARTMENT

951 OKEECHOBEE ROAD

WEST PALM BEACH, FL 33401

CLIENT

TOWN OF PALM BEACH, FLORIDA

PROJECT NUMBER 21-0431.00039

CLIENT PROJECT NUMBER

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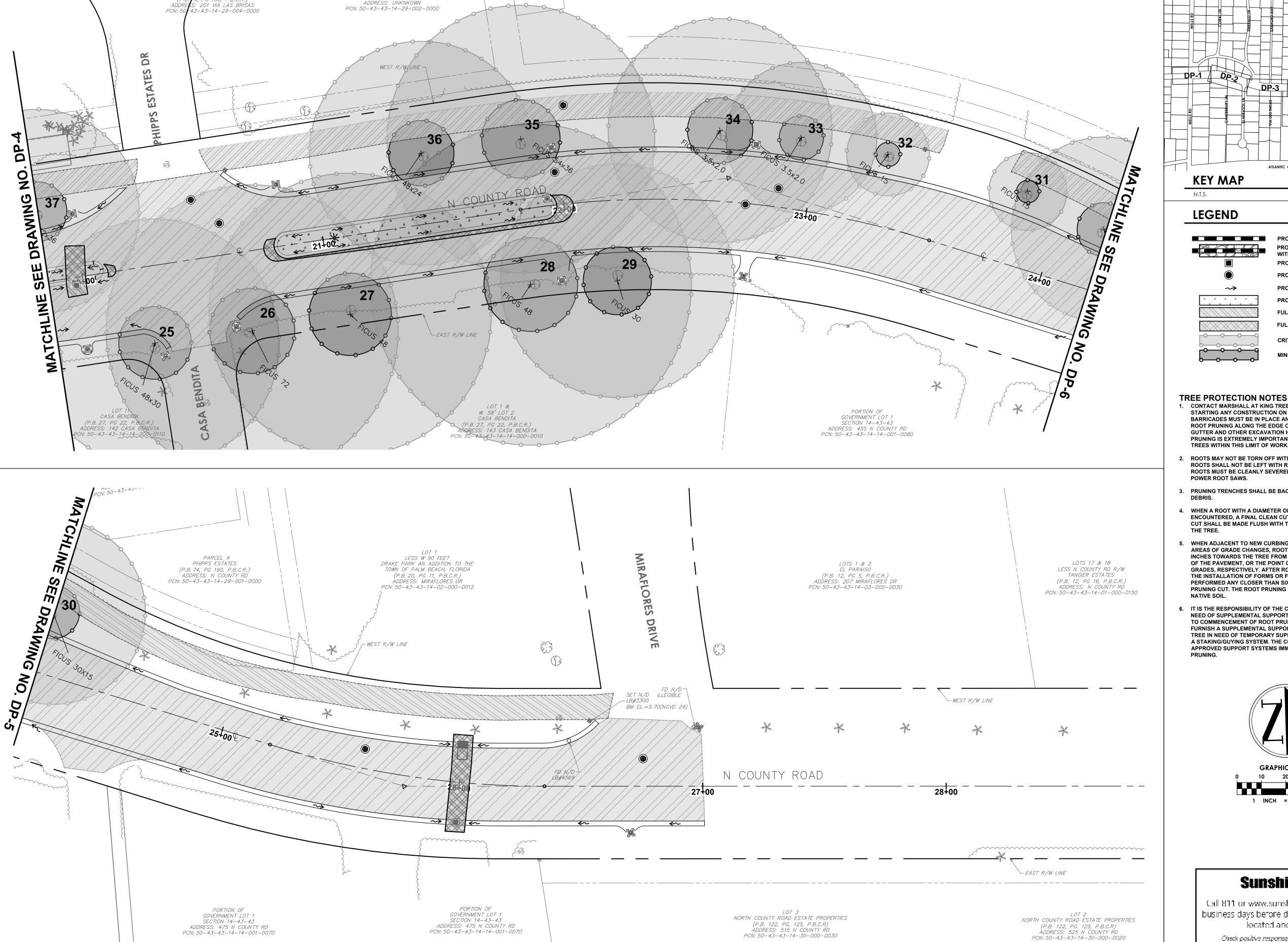
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CRITICAL ROOT ZONES FOR TREE PROTECTION

DRAWING NUMBER



PARCEL B PHIPPS ESTATES

(P.B. 74, PG 190, P.B.C.R.)

PPS ESTATES

PG 190, P.B.C.R.)

PCN: 50-43-43-14-14-001-0070



PROPOSED STORM MANHOLE

PROPOSED STORM DRAIN PIPE PROPOSED STORM DRAIN PIPE WITH EXFILTRATION TRENCH PROPOSED CATCH BASIN OR INLET

PROPOSED SURFACE FLOW ARROW

PROPOSED SOD **FULL DEPTH OVERLAY FULL DEPTH RECONSTRUCTION**

ATLANTIC OCEAN

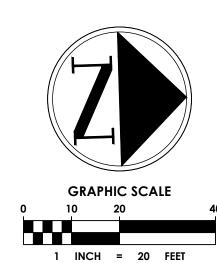
CRITICAL ROOT ZONE

MINIMAL ROOT ZONE

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NOT FOR CONSTRUCTION



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TOWN OF PALM BEACH, FLORIDA

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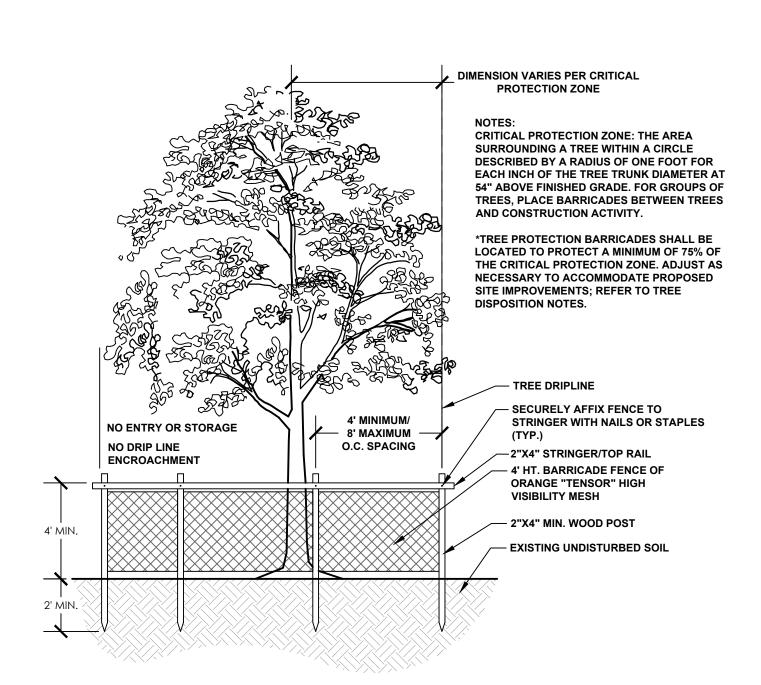
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CRITICAL ROOT ZONES FOR TREE PROTECTION

	SPE		
TREE#	Common Name	Scientific Name	DB11 (în.)
1	Indian Laurel Fig	Ficus т icro сагра	72
2	Indian Laurel Fig	Fieus miero carpa	29
3	Indian Laurel Fig	Fieus miero carpa	26
4	Indian Laurel Fig	Ficus т icro сагра	25
5	Indian Laurel Fig	Fieus miero earpa	18
6	Indian Laurel Fig	Fieus miero carpa	57
7	Indian Laurel Fig	Ficus micro carpa	70
8	Indian Laurel Fig	Fieus miero earpa	65
9	Weeping Fig	Ficus benjamina	18
10	Indian Laurel Fig	Ficus т icro сагра	72
11	Indian Laurel Fig	Fieus miero earpa	70
12	Indian Laurel Fig	Fieus miero carpa	95
13	Banyan	Ficus benghalens is	9
14	Banyan	Ficus benghalens is	8
15	Indian Laurel Fig	Ficus m icro carpa	59
16	Indian Laurel Fig	Ficus micro carpa	50
17	Indian Laurel Fig	Fieus-miero earpa	49
18	Indian Laurel Fig	Fieus miero carpa	27
19	Indian Laurel Fig	Ficus micro carpa	59
20	Indian Laurel Fig	Ficus micro carpa	60
21	Indian Laurel Fig	Fieus-miero carpa	54
22	Indian Laurel Fig	Ficus micro carpa	24
23	Banyan	Ficus benghalens is	21(largest trunk
24	Indian Laurel Fig	Fieus-miero carpa	32
25	Indian Laurel Fig	Ficus micro carpa	51
26	Indian Laurel Fig	Ficus microcarpa	60
27	Indian Laurel Fig	Fieus-miero carpa	58
28	Indian Laurel Fig	Ficus micro carpa	66
29	Indian Laurel Fig	Ficus microcarpa	48
30	Indian Laurel Fig	Fieus-miero carpa	38
31	Indian Laurel Fig	Ficus т icro сата	16
32	Indian Laurel Fig	Ficus microcarpa	17

	SPE		
TREE#	Common Name	Scientific Name	DBH (in.)
33	Indian Laurel Fig	Ficus microcarpa	31
34	Indian Laure I Fig	Ficus microcarpa	46
35	Indian Laure I Fig	Ficus microcarpa	55
36	Indian Laurel Fig	Ficus microcarpa	46
37	Indian Laure I Fig	Ficus microcarpa	42
38	Indian Laure I Fig	Ficus microcarpa	44
39	Indian Laurel Fig	Ficus micro carpa	36
40	Indian Laurel Fig	Ficus micro carpa	40
41	Indian Laure I Fig	Ficus microcarpa	69
42	Indian Laurel Fig	Ficus micro carpa	26
43	Indian Laurel Fig	Ficus m icro сагра	46
44	Banyan	Ficus benghalensis	12
45	Indian Laure I Fig	Ficus microcarpa	36
46	Indian Laurel Fig	Ficus micro carpa	39
47	Indian Laure I Fig	Ficus microcarpa	35
48	Indian Laure I Fig	Ficus microcarpa	56
49	Banyan	Ficus benghalens is	19 (larges t trunk
50	Indian Laurel Fig	Ficus micro carpa	49
51	Indian Laure I Fig	Ficus microcarpa	21
52	Banyan	Ficus benghalens is	17
53	Indian Laurel Fig	Ficus microcarpa	19
54	Banyan	Ficus benghalensis	26 (largest trunk
55	Indian Laurel Fig	Ficus micro carpa	43
56	Indian Laurel Fig	Ficus micro carpa	23
57	Indian Laure I Fig	Ficus microcarpa	27
58	Banyan	Ficus benghalens is	27 (largest trunk
59	Indian Laurel Fig	Ficus microcarpa	31
60	Indian Laure I Fig	Ficus microcarpa	26
61	Indian Laure I Fig	Ficus microcarpa	25
62	Indian Laurel Fig	Ficus micro carpa	31
63	Indian Laure l Fig	Ficus micro carpa	21
64	Indian Laure I Fig	Ficus microcarpa	37



TREE PRESERVATION FENCING

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CRITICAL ROOT ZONES FOR TREE PROTECTION

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TOWN OF PALM BEACH

PUBLIC WORKS DEPARTMENT 951 OKEECHOBEE ROAD WEST PALM BEACH, FL 33401 PROJECT INFORMATION

NORTH COUNTY ROAD DRAINAGE

IMPROVEMENTS

TOWN OF PALM BEACH, FLORIDA

21-0431.00039

CLIENT PROJECT NUMBER

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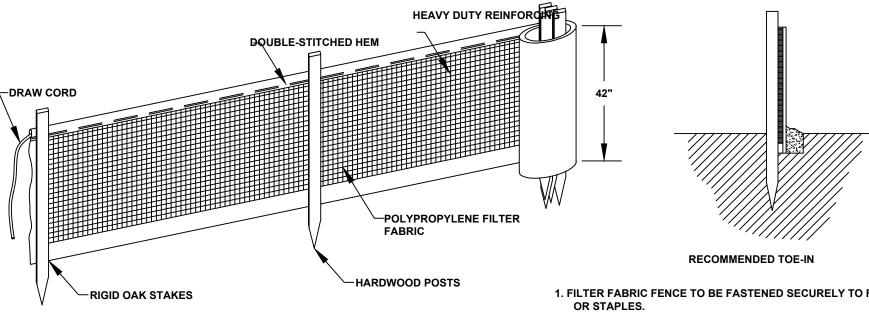
REGISTRATION

CONCRETE COLLAR FOR JOINING MAINLINE PIPE AND STUB PIPE

> INLET FILTER INSTALLATION WITHOUT FRAME AND GRATE

WIRE SUPPORT - MOULD 6x6", 5/5 GA. 49 #/100 SQ. FT.

WELD WIRE SUPPORT. EXTEND 6" MIN. AT SIDES



POSTS: STEEL, EITHER "T"

FILTER FABRIC: PER FDOT

STANDARD SPECIFICATION

PREFABRICATED UNIT:

APPROVED EQUAL

UNDISTURBED GROUND

GEOFAB, ENVIROFENCE, OR

OR "U" TYPE OR 2"

HARDWOOD

20" MIN.

16" MIN.

1. FILTER FABRIC FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES

2. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH TIES SPACED EVERY 24 INCHES AT TOP AND MID-SECTION. 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE

OVERLAPPED BY SIX INCHES AND FOLDED. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

REACHES 6 INCHES. 5. SILT FENCE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL CONSTRUCTION

"BULGES" DEVELOP IN THE SILT FENCE OR DEPTH OF ACCUMULATED SEDIMENT

IS COMPLETE. 6. THE CONTRACTOR SHALL INSPECT AND REPAIR THE SILT FENCE AFTER EACH RAIN

EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 7. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE TO OFFSITE SEDIMENT AND CAN BE PERMANENTLY STABILIZED.

8. THE SILT FENCE SHALL BE PLACED ON SLOPE CONTOUR TO MAXIMIZE ITS PONDING

9. IF DITCH LEVEL IS DEEPER THAN 30", THEN A FLOATING SILT SCREEN SHALL BE

10. REFER TO THE FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL FOR ADDITIONAL INFORMATION.

1. DETECTABLE WARNING SURFACE AS REQUIRED PER AMERICAN WITH DISABILITIES ACT DESIGN STANDARDS REQUIRED AT ALL CONCRETE SIDEWALK LANDINGS WITHIN PROJECT LIMITS.

2. STAMPED CONCRETE IS NOT PERMITTED FOR DETECTABLE WARNING SURFACES. ARMOR TILE OR AN APPROVED EQUAL SHALL BE USED. 3. WHEN NOT PLACED ON CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE WALKING

SURFACES ADJOINING A VEHICULAR WAY. THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36" WIDE.

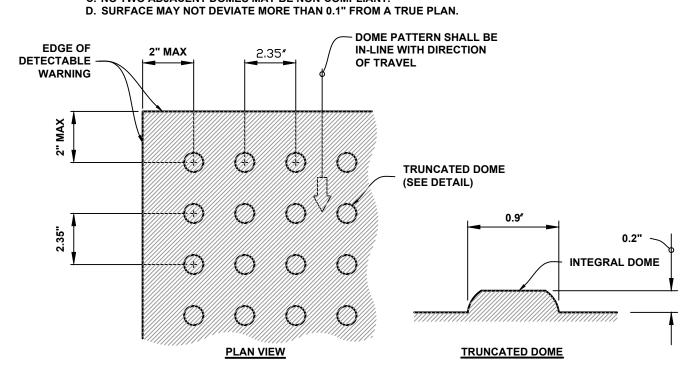
4. UNLESS NOT PLACED DIRECTLY ON A RAMP, DETECTABLE WARNING SURFACE MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION.

5. WHEN PLACED ON CURB RAMPS, DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL LENGTH AND WIDTH OF THE RAMP. FOR RAMPS WITHIN FDOT RIGHT-OF-WAY, REFER TO THE LATEST VERSION OF THE FDOT DESIGN STANDARDS INDEX #304. 6. CONSTRUCTION OF DETECTABLE WARNING SURFACE IS NOT LIMITED TO CONCRETE MATERIAL,

HOWEVER, PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST INFORM TO THE ENGINEER OF RECORD

THE PROPOSED MATERIAL FOR THE DETECTABLE WARNING SURFACE. CONTRACTOR MUST ENSURE THAT THE FOLLOWING TRUNCATED DOME CRITERIA IS MET: A. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%

B. 90% OF THE INDIVIDUAL TRUNCATED DOMES MUST COMPLY WITH THE SPECIFIED DIMENSIONS AND DESIGN CRITERIA. C. NO TWO ADJACENT DOMES MAY BE NON-COMPLIANT.



DETECTABLE WARNING

- PROP. 1" LIFT OF TYPE SP-9.5 ASPHALTIC CONCRETE OVERLAY w/ TACK COAT

- EXIST. 1" LIFT OF TYPE S-I ASPHALTIC CONCRETE

- SP 12.5 OVERBUILD AS NEEDED

EXIST. LIMEROCK BASE TO REMAIN

EXIST. SUBGRADE TO REMAIN

1. ALL JOINTS ARE TO BE SAW CUT

3. ASPHALT FOR TIE IN SHOULD BE SP 9.5

PROJECT INFORMATION

NORTH COUNTY **ROAD DRAINAGE IMPROVEMENTS**

TOWN OF PALM BEACH

PUBLIC WORKS DEPARTMENT 951 OKEECHOBEE ROAD WEST PALM BEACH, FL 33401

500 Australian Avenue South

Suite 850

West Palm Beach, FL 33401

561.746.6900

www.chenmoore.com

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TOWN OF PALM

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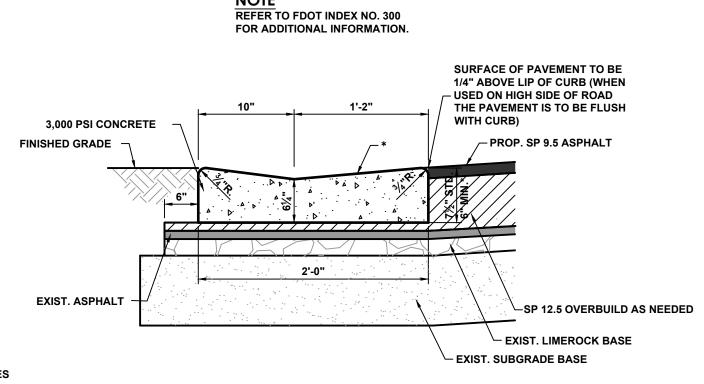
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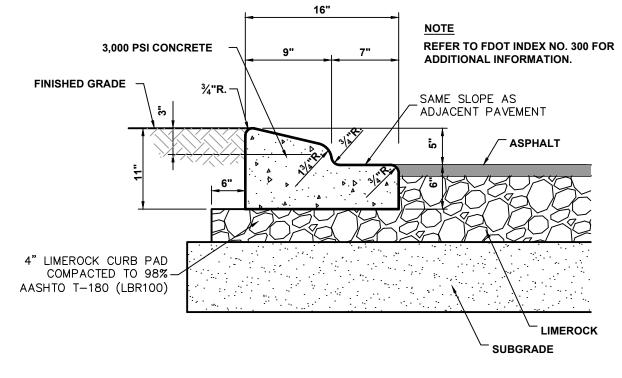
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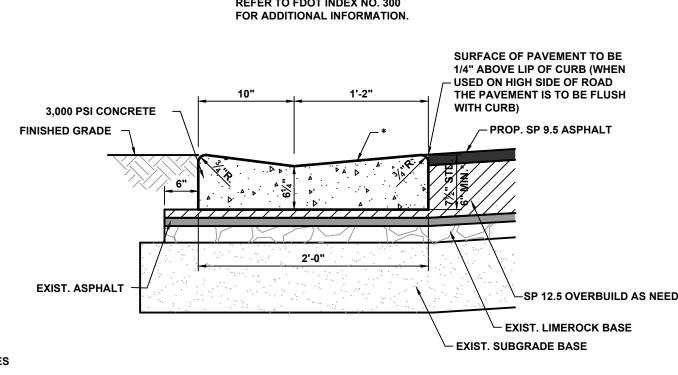
CONSTRUCTION **DETAILS**

DRAWING NUMBER

STORM WATER POLLUTION PREVENTION SILT FENCE







36" MIN. FENCE POST

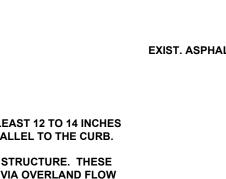
COMPACTED BACKFILL

INTO GROUND

EMBED FILTER CLOTH MIN. 4"-

FLOW (SLOPE)

FILTER FABRIC



SECURE FILTER FABRIC

TO FRAME AND GRATE

A SEDIMENT TRAP WILL BE EXCAVATED BEHIND THE CURB AT THE INLET. BASIN THE SHALL BE AT LEAST 12 TO 14 INCHES IN DEPTH, APPROXIMATELY 36 INCHES IN WIDTH AND APPROXIMATELY 7 TO 10 FEET IN LENGTH PARALLEL TO THE CURB. STORM WATER WILL REACH THE SEDIMENT TRAP VIA CURB CUTS ADJACENT TO SIDE OF THE INLET STRUCTURE. THESE OPENINGS SHALL BE AT LEAST 12 INCHES IN LENGTH. STORM WATER MAY ALSO REACH THE BASIN VIA OVERLAND FLOW LAND AREA BEHIND THE CURB. THE CURB CUTS SHALL BE REPAIRED WHEN THE SEDIMENT TRAP IS REMOVED.

BACKFILL AFTER

INSTALLATION OF

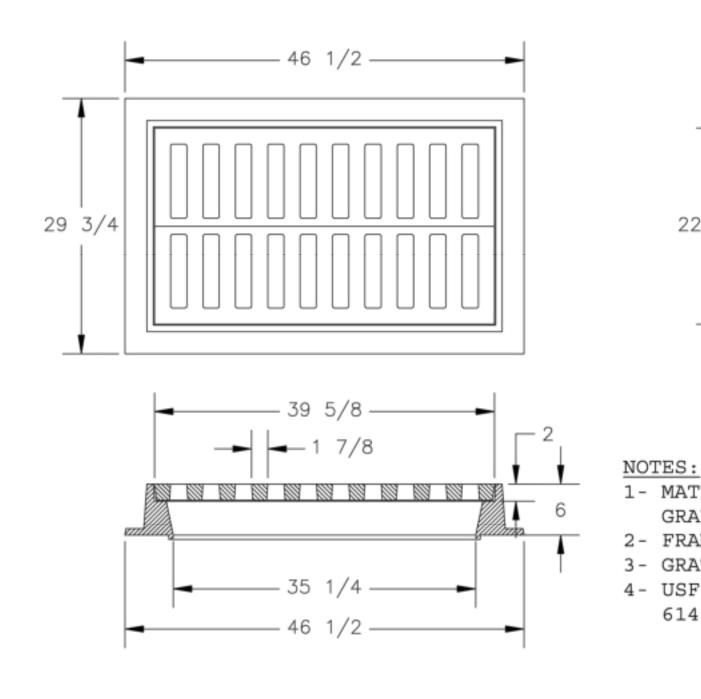
CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.

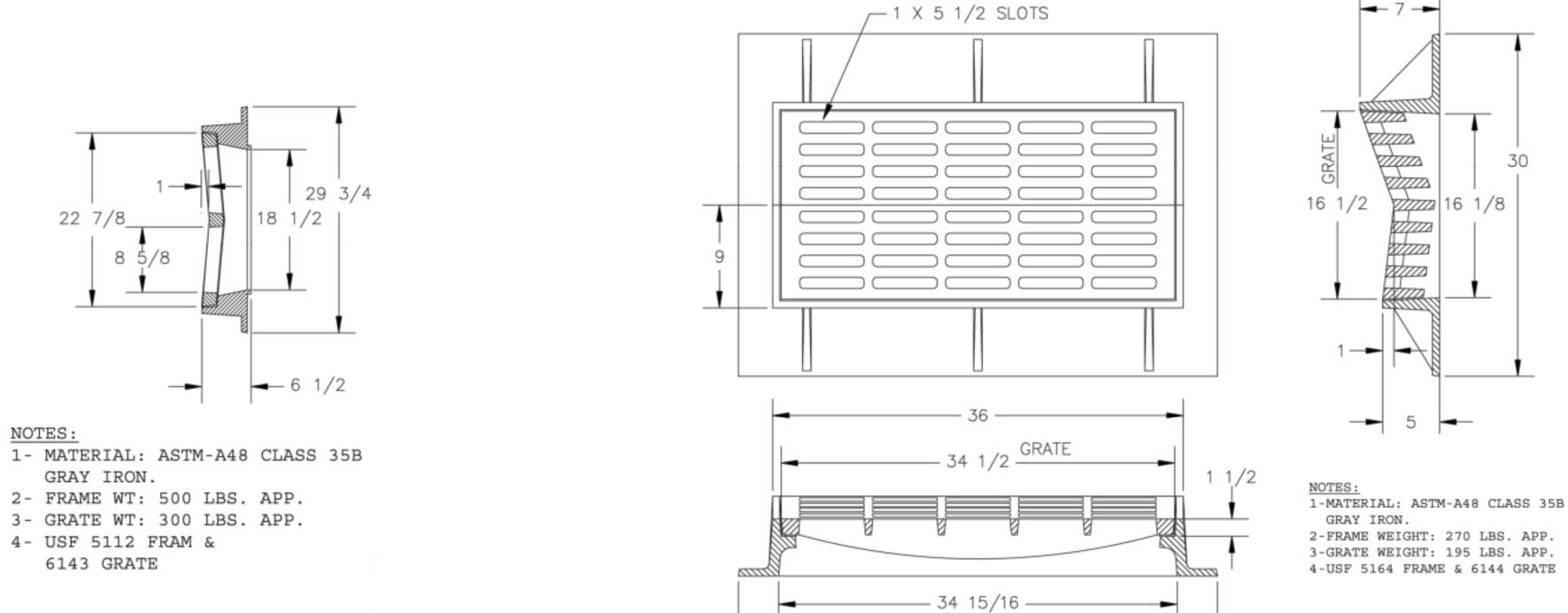
CONTRACTOR TO REMOVE FABRIC JUST PRIOR TO PAVING

INLET FILTER

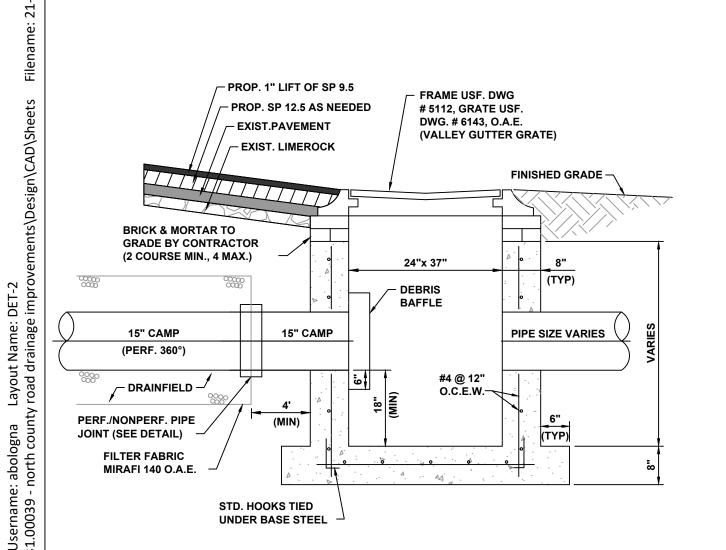
2. MILL A MINIMUM OF $\frac{3}{4}$ " ASPHALT WHEN TYING INTO TO EXISTING ASPHALT PAVEMENT

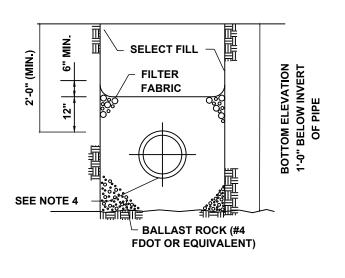






FRAME AND GRATE FOR P-10 INLET





TRANSVERSE SECTION

FRAME AND GRATE FOR VALLEY GUTTER INLET

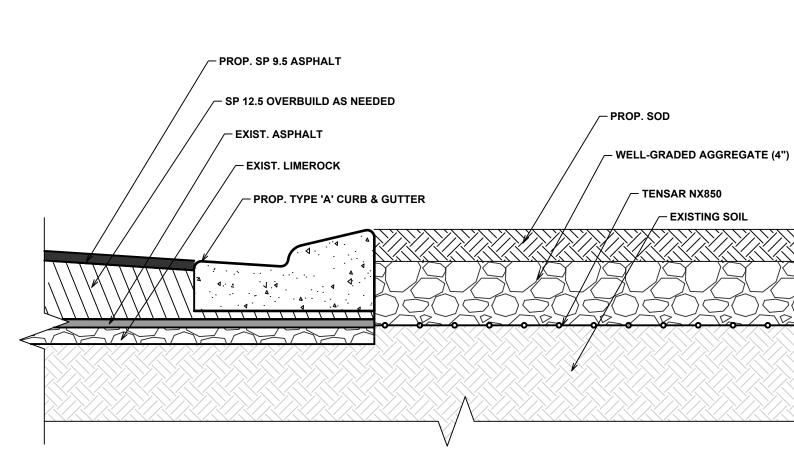
FILTER FABRIC OVERLAP 1' MIN. SELECT FILL **FABRIC** 1:1 OR STEEPER SEE NOTE 4 **BOTTOM ELEV.** (SEE NOTE 2)

ALT. TRANS. SECTION

MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

NOTES:

- 1. PROVIDE FILTER FABRIC AT EACH SIDE, TOP AND BOTTOM OF TRENCH.
- 2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE A MINIMUM OF 1' BELOW INVERT OF PIPE, UNLESS FIELD CONDITIONS WARRANT OTHERWISE, AND CHANGE IS APPROVED BY THE OWNER AND PROJECT ENGINEER.
- AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT TAKES PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION. THE EXFILTRATION TRENCH SHALL BE COMPLETED IN ACCORDANCE WITH THESE DETAILS.
- 4. INVERT ELEVATION AS SHOWN ON PLANS.
- 5. BACK-SLOPE PIPE 3% TO ALLOW GRASS CLIPPINGS AND VEGETATION TO FLOW TO THE MANHOLE FOR VACUUM TRUCK CLEANING.









REGISTRATION

TOWN OF PALM BEACH PUBLIC WORKS DEPARTMENT 951 OKEECHOBEE ROAD WEST PALM BEACH, FL 33401

PROJECT INFORMATION **NORTH COUNTY**

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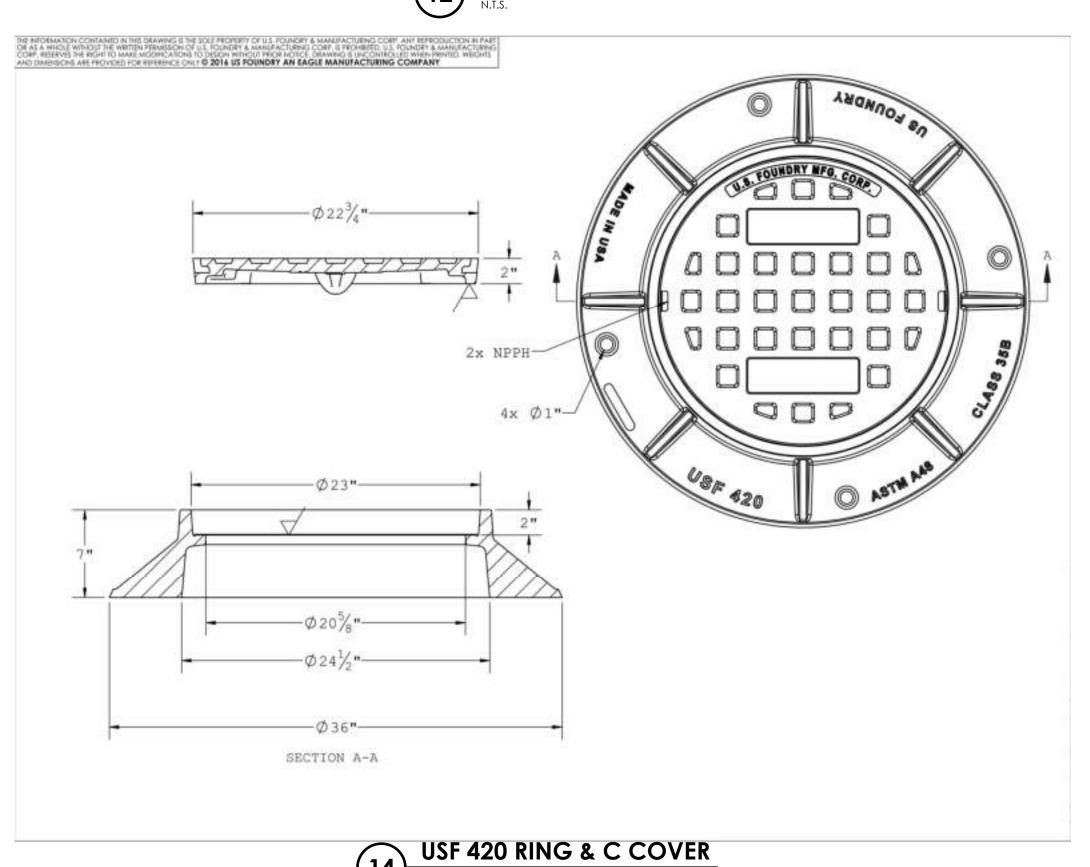
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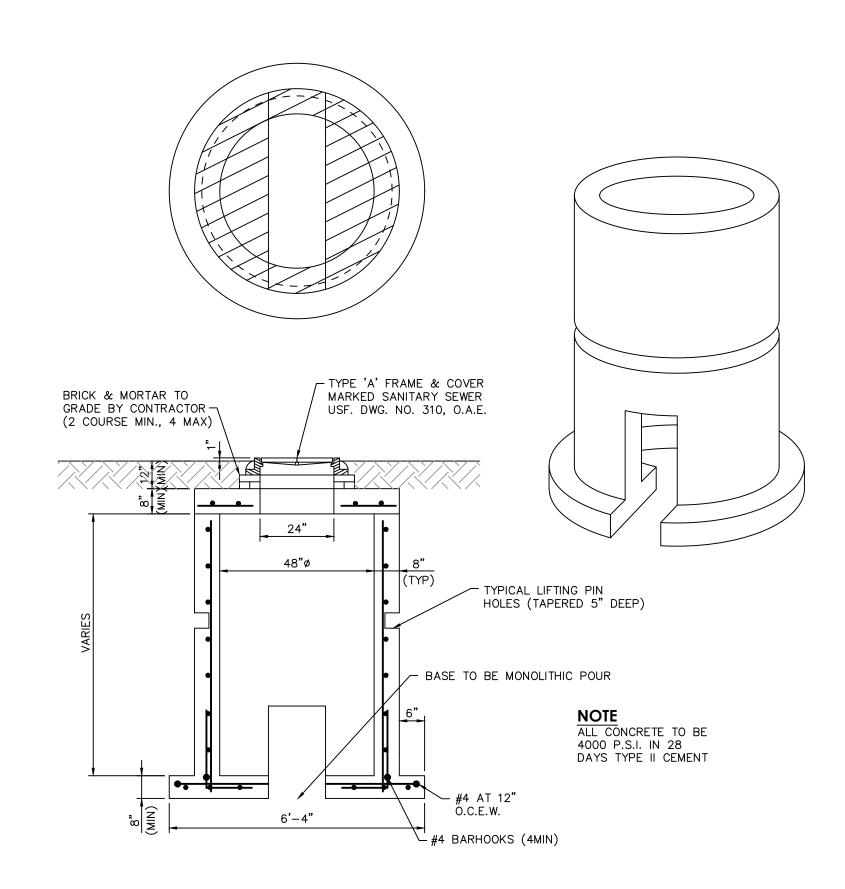
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GRASSED MEDIAN SECTION DETAIL

YARD DRAIN





DOGHOUSE MANHOLE

N.T.S.



REGISTRATION



NORTH COUNTY
ROAD DRAINAGE

WEST PALM BEACH, FL 33401

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DET-3