

PLANS FOR PROPOSED  
DRAINAGE IMPROVEMENTS TO

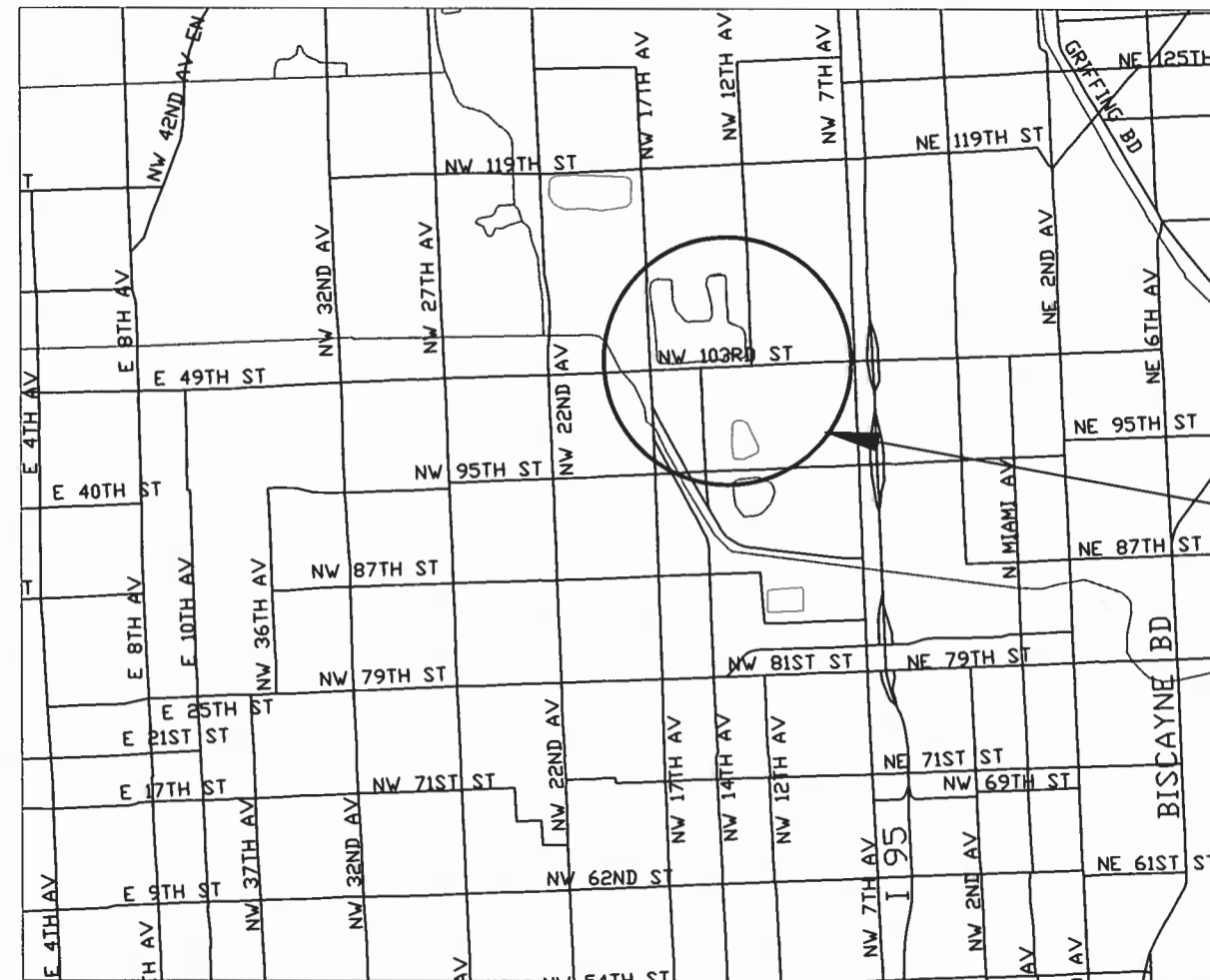
INDEX OF SHEETS

SHT. No. SHEET DESCRIPTION

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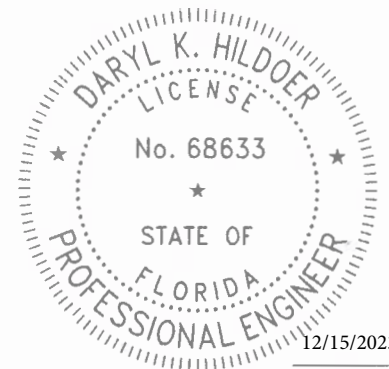
NW 100 TERRACE FROM NW 12 AVE TO NW 13 AVE

MIAMI-DADE COUNTY PROJECT NO.20230019  
FUNDING SOURCE: STORMWATER UTILITY



NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



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DESIGN	R.D.	CHECK	F.G.
		DRAWN	L.C.P.
DATE	11-15-2023	SHEET	1 OF 9

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3, THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AS AMENDED BY CONTRACT DOCUMENTS.



MIAMI-DADE COUNTY DEPARTMENT OF  
TRANSPORTATION AND PUBLIC WORKS  
ROADWAY ENGINEERING AND  
RIGHT OF WAY DIVISION  
STORMWATER DRAINAGE DESIGN SECTION

STEPHEN P. CLARK CENTER  
111 NW 1 ST, SUITE 1510  
MIAMI, FLORIDA 33128

PREPARED BY



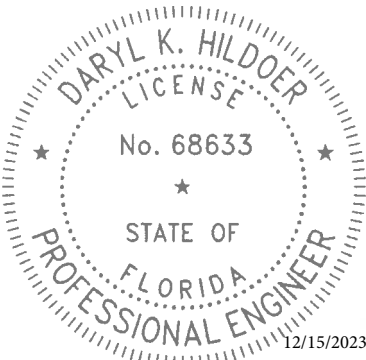
GENERAL NOTES:

1. ALL ELEVATIONS REFER TO THE MSL, 1929 NATIONAL GEODETIC VERTICAL DATUM (NGVD)
2. ALL DRAINAGE CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE PERMITTING REQUIREMENTS OF MIAMI DADE COUNTY REGULATORY AND ECONOMIC RESOURCES AND THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS.
3. IT IS THE INTENT THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THERE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. CATCH BASINS, SEEPAGE DRAINS, PAVEMENT RESTORATION AND PAVEMENT AROUND CATCH BASINS TO BE ACCORDING TO THE DETAILS AND APPLICABLE REQUIREMENTS OF THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS.
5. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT.
6. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, AND UTILITIES WITH MAY NOT BE SHOWN ON PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARLY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
7. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE; ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES; PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION, ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
8. CONTRACTOR SHALL CONTACT THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1 (800) 432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
9. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. THE CONTRACTOR IS ADVISED THAT A TREE PERMIT MAY BE REQUIRED FOR TREE REMOVAL. CONTRACTOR SHALL NOTIFY REGULATORY AND ECONOMIC RESOURCES DEPARTEMENT AND MUNICIPALITIES WITH JURIDICITION PRIOR TO REMOVING ANY TREES.
10. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
11. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATION.
12. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES, OR PARTS OF, EXPOSED OR OPEN AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES. WHEN THE CONTRACTOR IS NOT WORKING, UNLESS OTHERWISE DETERMINED, ANY TRENCH SHALL BE COVERED, FIRMLY SECURED AND MARKED ACCORDINGLY FOR PEDESTRIAN TRAFFIC.
13. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
14. ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
15. CAST IRON PRODUCTS: HEAVY-DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS, OR 16,000 LB. WHEEL LOADS.
16. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H-20 AASHTO H20: 16,000 LBS. OVER 8" X 20" AREA.
17. ALL STRUCTURES MUST BE CAPABLE OF SUSTAINING HEAVY TRAFFIC LOADS.
18. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN SECTION C2 AND SECTION R19 OF THE PUBLIC WORKS DEPARTMENT MANUAL. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR THE RESETTING OF ALL TRAFFIC CONTROL AND INFORMATION SIGNING REMOVED DURING CONSTRUCTION PERIOD.
20. EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC SAFETY AT ALL TIMES.
21. TEMPORARY PATCH MATERIAL MUST BE ON THE JOB SITE WHENEVER PAVEMENT IS CUT, OR THE INSPECTOR WILL SHUT THE JOB DOWN.
22. CONTRACTOR SHALL MAINTAIN TRAFFIC ACCORDING TO CORRESPONDING TYPICAL CONTROL DETAIL AS OUTLINED IN MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
23. CONTRACTOR SHALL MAINTAIN AT LEAST THE FOLLOWING NUMBER OF TRAFFIC LANES FOR CORRESPONDING TIME PERIODS: MONDAY - FRIDAY 7-9 A.M. AND 4-6 P.M.; NO INTERRUPTION TO TRAFFIC IS PERMITTED. ALL OTHER TIMES:

A) MAINTAIN ONE LANE FOR TWO-WAY OPERATION WITH FLAGMEN.

B) MAINTAIN ONE LANE IN EACH DIRECTION FOR TRAFFIC.
24. CONTRACTOR MUST PROVIDE FLASHER ARROW BOARD FOR ANY LANE THAT IS CLOSED OR DIVERTED.
25. CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF THE DETOUR IN ACCORDANCE WITH SECTION 336.07 OF FLORIDA STATUTES.
26. COMPLETE AS-BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR. THREE (3) SETS LABELED "AS-BUILT" MUST BE SUBMITTED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, TO THE ENGINEER OF RECORD PRIOR TO FINAL ACCEPTANCE OF THE WORK.
27. IT IS RESPONSIBILITY OF THE CONTRACTOR TO SELECT AND OBTAIN THE APPROPRIATE PERMISSION FROM MIAMI-DADE COUNTY OR APPLICABLE AGENCY THAT HAS JURISDICTION ON THE "PROPOSED" STAGING AREAS.

28. DRAINAGE/UTILITY TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. A TEMPORARY COVER WITH A CAPACITY OF H-20 LOADING SHALL BE PLACED AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO MIAMI-DADE COUNTY.
29. PROVIDE FLOWABLE FILL OVER PIPE AS COVER WHERE MINIMUM PIPE COVER OF 2 FEET CANNOT BE ACCOMPLISHED UNDER PAVED AREAS. HOWEVER, THE COVER WITH FLOWABLE FILL SHALL BE NO LESS THAN 12 INCHES.
30. ALL STATIONS AND OFFSETS REFER TO [CENTERLINE]/ [BASELINE] OF CONSTRUCTION, UNLESS OTHERWISE STATED.
31. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).
32. MIAMI-DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED CONSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT UTILITY COORDINATOR PATRICK CHONG AT 786-268-5255. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE: 786-268-5469. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305-552-4926, BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, WASD EMERGENCY NUMBER 305-552-8901. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.
33. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
34. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
35. IF SHEETING, SHORING OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING, OR DEWATERING, SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
36. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
37. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.
38. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.
39. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
40. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
41. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON PLANS, PROPER CONNECTIONS ARE TO BE MADE AS DIRECTED BY THE ENGINEER. DROP CURB AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.
42. CONTRACTOR TO INSTALL ½" PERFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
43. THE SIDEWALK AT DRIVEWAY TURNOUTS SHALL BE 6" CONCRETE.
44. ALL BUS STOP SIGNS TO BE FURNISHED BY MIAMI-DADE TRANSPORTATION AND PUBLIC WORKS DEPARTMENT. ENGINEER TO CONTACT MIAMI-DADE COUNTY TRANSPORTATION AND PUBLIC WORKS DEPARTMENT AT (305) 637-3753 ONE (1) WEEK PRIOR TO POURING SIDEWALKS AND COORDINATE THE REMOVAL AND REPLACEMENT OF BUS STOP SIGNS AND BENCHES.
45. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH BIDS WILL BE BASED.
46. ANY SURVEY MONUMENT, BENCH MARK, ETC., FOUND DURING CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO IT IS ORIGINAL LOCATION AND COORDINATES AS DEPICTED IN COUNTY RECORDS PLAT AND BOOK. RESTORATION WILL BE AT NO ADDITIONAL COST AND MUST BE SHOWN ON AS-BUILT PLANS.
47. FOR THE INSTALLATION OF SOD IN SWALE AREAS ADJACENT TO ROADWAYS, SIDEWALKS, DRIVEWAY APPROACHES OR ANY OTHER PAVED SURFACES, THE SWALE MUST BE RESTORED TO FORM A "V" SHAPE AS PER THE DETAILS INCLUDED IN THE MIAMI DADE COUNTY PUBLIC WORKS MANUAL. SPECIFICALLY, THE ELEVATION OF THE TOP OF THE SOD MUST MATCH THE ABUTTING AREAS (EDGE OF PAVEMENT, SIDEWALK OR DRIVEWAY APPROACH) AND THE CENTERLINE OF THE SWALE SHALL BE ON AVERAGE 3 INCHES BELOW THE ROADWAY EDGE OF PAVEMENT ELEVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



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REVISIONS									NW 100 TERR FROM NW 12 AVE TO NW 13 AVE	<table><tr><td></td><td>NAME</td><td>DATE</td><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGNED BY</td><td>R.D.</td><td>11-15-2023</td><td>DRAWN BY</td><td>L.C.P.</td><td>11-15-2023</td></tr><tr><td>CHECKED BY</td><td>D.H.</td><td>11-15-2023</td><td>CHECKED BY</td><td>R.D.</td><td>11-15-2023</td></tr><tr><td colspan="6">SUPERVISED BY:</td></tr></table>							NAME	DATE		NAME	DATE	DESIGNED BY	R.D.	11-15-2023	DRAWN BY	L.C.P.	11-15-2023	CHECKED BY	D.H.	11-15-2023	CHECKED BY	R.D.	11-15-2023	SUPERVISED BY:						<div><div>MIAMI-DADE COUNTY</div><div>DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS ROADWAY ENGINEERING AND RIGHT OF WAY DIVISION  STEPHEN P. CLARK CENTER 111 NW 1 ST MIAMI, FLORIDA 33128</div></div>		GENERAL NOTES	
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SURVEYOR'S NOTES:

-Survey performed by DTPW Survey Section.  
-Survey Date: 00-00-2022 -Survey as per  
F.B.3000 Page 63-68  
- NW 103rd ST = 54' NORTH OF C/L,  
- NW 12th AVE=59' WEST OF C/L  
-  
-The elevations are based on NGVD 1929, Miami Dade County  
BM#1 Name B-514-M.D.C.B.M.- ELEV=9.93'  
BM#2 Name L-16-M.D.C.B.M.- ELEV=9.96'

-PK nail and alum. washer - set on conc.sidewalk  
-Section 02 , Township 53, Range 41.  
-Benchmark for vertical control information was recorded  
by DTPW Survey Section.  
-Right-of-Way Lines shown hereon as per existing plats.

LOCATION MAP  
& KEY MAP



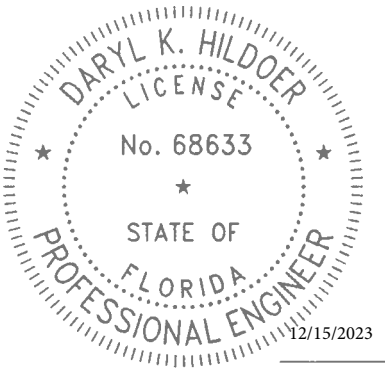
KEY SHEET  
TRS 53-41-02

LEGEND AND ABBREVIATIONS:

- (M) = MEASURES  
(P) = By PLAT  
F; Fd = FOUND  
CND = CONCRETE NAIL & DISK  
PKF = PK NAIL FOUND  
CNDP = CONCRETE NAIL & DISK FOUND  
CNF = CONCRETE NAIL & DISK FOUND  
CNC = CONCRETE NAIL CUT  
DHF = DRILL HOLE FOUND  
NF = NAIL FOUND  
PKDF = PK NAIL & DISK FOUND  
R/W = RIGHT OF WAY  
RBAC = ROCK BASE ASPHALT COMPOUND  
B = BASE LINE  
CL = CENTER LINE  
R = RADIUS  
L = LENGTH OF CURVE  
C&G = CURB & GUTTER  
VG = VALLEY GUTTER  
E/P = EDGE OF PAVEMENT  
T/B = TOP OF BANK  
E/W = EDGE OF WATER  
PCP = PERMANENT CONTROL POINT  
RLS = REGISTERED LAND SURVEYOR  
PLS = PROFESSIONAL LAND SURVEYOR  
S = STREET SIGN  
ALF = ALUM. FLASHING SCHOOL LIGHT  
M = MAILBOX  
DL = DECORATIVE LIGHT POLE  
ML = METAL LIGHT POLE  
MTL = METAL TRAFFIC LIGHT POLE  
MP = METAL POWER POLE  
CLP = CONCRETE LIGHT POLE  
CNP = CONCRETE POWER POLE  
WLP = WOOD LIGHT POLE  
WPP = WOOD POWER POLE  
WTP = WOOD TELEPHONE POLE  
FLP = FIBERGLASS LIGHT POLE  
WM = WATER MANHOLE  
SM = SANITARY MANHOLE  
SSV = SANITARY SEWER VALVE (FM)  
CTP = CABLE TV PEDESTRIAN  
TCRB = TV CABLE RISER BOX  
TCB = TV CONTROL BOX  
CB = CABLE BOX  
TH = TELEPHONE HANDHOLE  
TM = TELEPHONE MANHOLE  
TUB = TELEPHONE UTILITY BOX  
TRB = TELEPHONE RISER BOX  
TRCB = TELEPHONE RISER CONTROL BOX  
TECB = TELEPHONE CONTROL BOX  
B = BOX  
CS = CROSSING SIGN  
P = POST  
I = INTERCOM  
GV = GAS VALVE  
PP = PVC POST  
GW = GUY WIRE  
SH = SPRINKLE HEAD  
CAC = CENTRAL ANGLE OF CURVE  
MW = MONITORING WELL  
PP = PETROLEUM PIPELINE  
EH = ELECTRIC HANDHOLE  
EM = ELECTRIC MANHOLE  
FH = FIRE HYDRANT  
WV = WATER VALVE  
WM = WATER METER  
TSM = TRAFFIC SIGH MANHOLE  
TSH = TRAFFIC SIGH HANDHOLE  
TCB = TRAFFIC CONTROL BOX  
TSB = TRAFFIC SIGNAL BOX  
ECB = ELECTRICAL CONTROL BOX  
RRCL = RAIL ROAD CROSSING (LIGHT)

- CONCRETE  
ASPHALT  
UNIMPROVED DRIVEWAY  
GRAVEL  
BRICK  
STAMPED CONCRETE  
CONCRETE BLOCK FENCE  
TREE DIAMETER  
EXISTING CATCH BASIN  
EXISTING STORMWATER MANHOLE  
PROPOSED CATCH BASIN  
PROPOSED STORMWATER MANHOLE  
EXISTING SOLID PIPE  
EXISTING FRENCH DRAIN  
PROPOSED SOLID PIPE  
PROPOSED FRENCH DRAIN  
RIGHT-OF-WAY LINE  
WOOD FENCE  
CHAIN LINK FENCE  
IRON FENCE  
EXISTING SIDEWALK  
F.P.L. UNDERGROUND  
F.P.L. OVERHEAD  
WATER LINE MAIN  
GAS MAIN  
FORCE MAIN  
CABLE TV  
BELL SOUTH TELEPHONE CONDUIT  
BASELINE  
SANITARY SEWER

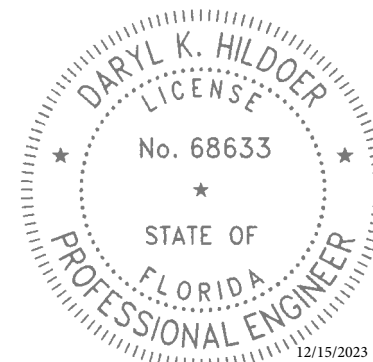
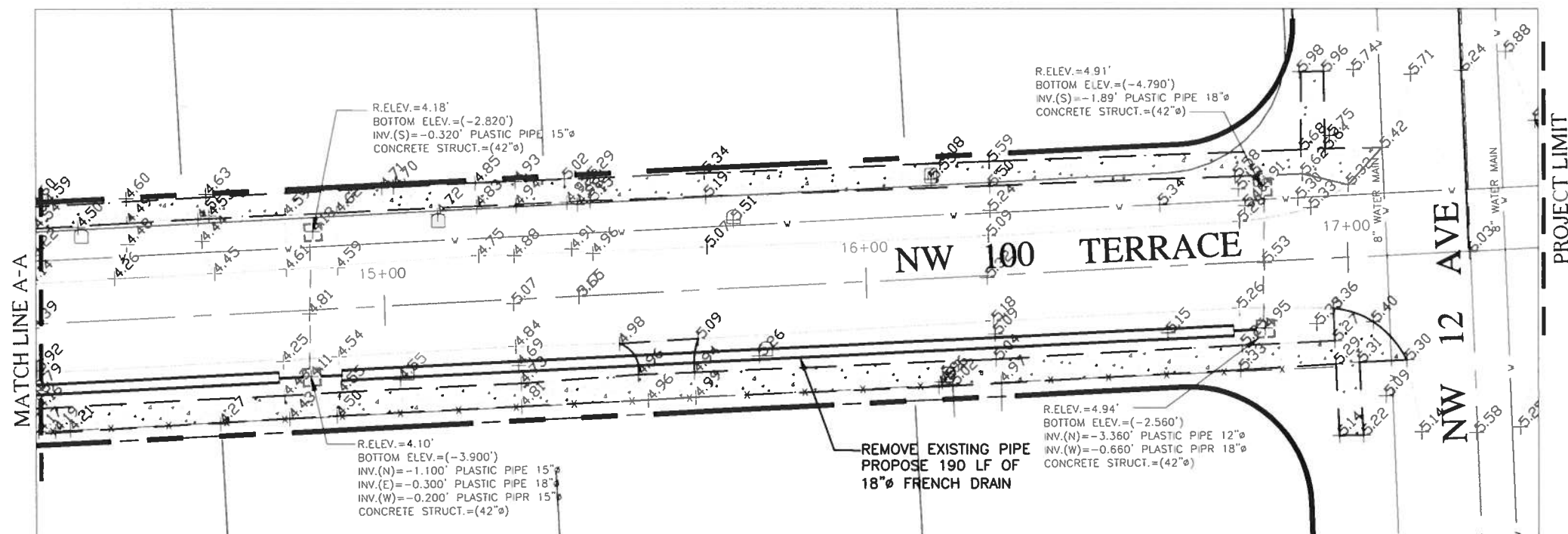
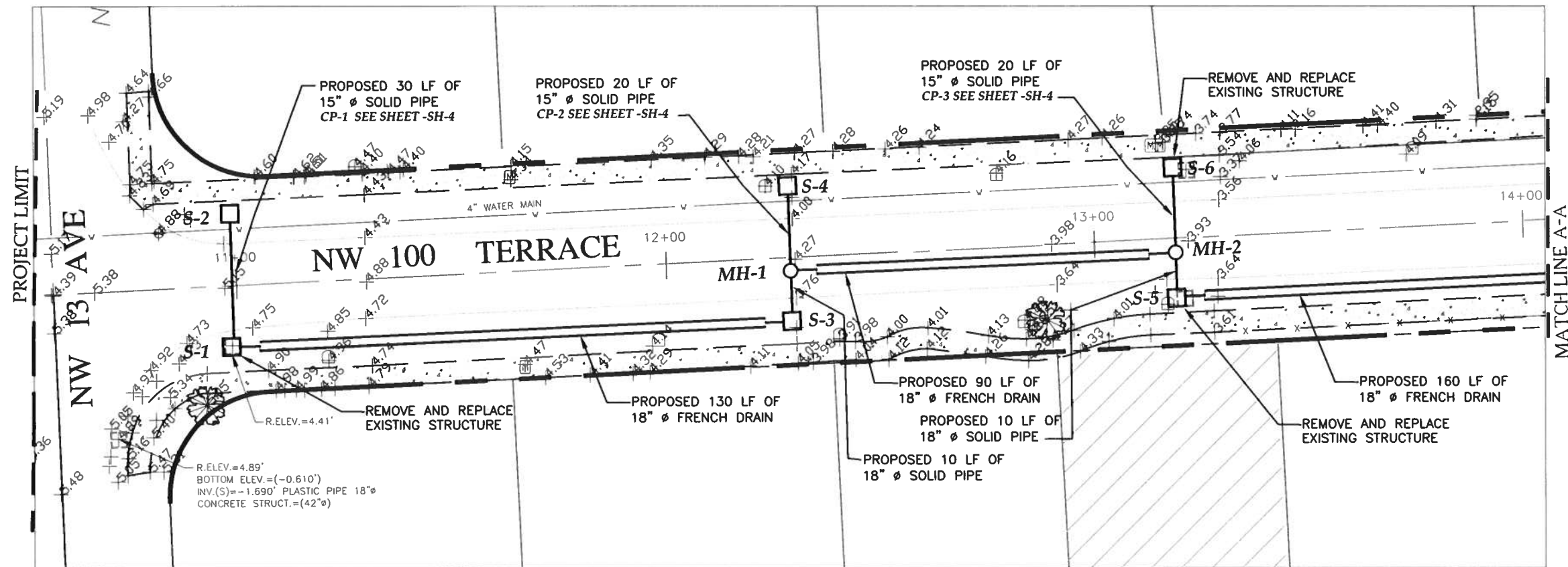
- AVOCADO TREE  
ARECA TREE  
AJST. PINE TREE  
ALMOND TREE  
BLACK OLIVE TREE  
BOTTLE BRUSH TREE  
BISMARCK PALM  
BUSH TREE  
BISCHOFIA TREE  
BOTTLE PALM  
BANANA TREE  
BANYAN TREE  
BRAZILIAN PEPPER  
CABBAGE TREE  
COCONUT TREE  
CLUSTER PALM  
CYPRESS TREE  
CANARY PALM  
COCOS PLUMOSA  
CACTUS  
DATE PALM  
FICUS TREE  
FLORIDA ORCHID TREE  
FOX TAIL TREE  
GUMBO LIMBO TREE  
HIBISCUS TREE  
IXORA TREE  
JUNIPER TREE  
JARACANDA TREE  
KAPOK TREE  
LIVE OAK TREE  
MAMEY TREE  
MULBERRY TREE  
MAHOGANY TREE  
MANGO TREE  
MANGROVE TREE  
NISPERO TREE  
NORFOLK TREE  
OAK TREE  
ORANGE GEIGER  
PINE TREE  
PALM TREE  
PHILODENDRON/RUBBER TREE  
QUEEN PALM TREE  
RHOBOLINI TREE  
ROYAL POINCIANA TREE  
ROSEWOOD TREE  
ROYAL PALM  
SOUR ORANGE TREE  
SEA GRAPE TREE  
SOLITARY PALM  
SILVER BUTTWOOD TREE  
TABEBULA TREE  
TRAVELER CLUSTER  
TAMARIND TREE  
UNKNOWN TREE  
UMBRELLA TREE  
WASHINGTON PALM  
ZAPODILLA TREE  
HEDGES



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#### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NW 100 TERR FROM NW 12 AVE TO NW 13 AVE  
DRAINAGE IMPROVEMENT PROJECT

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.D.	7-26-2023		L.C.P.	7-26-2023
CHECKED BY	F.G.	7-26-2023	CHECKED BY	R.D.	7-26-2023
SUPERVISED BY					



DEPARTMENT OF TRANSPORTATION  
AND PUBLIC WORKS  
ROADWAY ENGINEERING AND  
RIGHT OF WAY DIVISION  
STEPHEN P. BLAKE, CENTER  
111 NW 1 ST.  
MIAMI, FLORIDA 33128

DESIGN PLAN

SUMMARY OF QUANTITIES

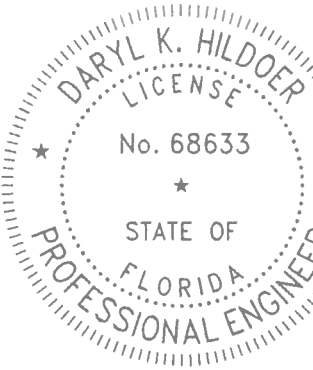
Item No.	Description	Unit	Quantity
102-74-1	Barricades (temporary - Types I, II, VP and Drum)	E.A./day	4800
102-76A	Advance Warning Arrow Panel	E.A./day	600
104-10-3	Sediment Barrier	L.F.	100
104-18	Inlet Protection System	E.A.	4
327-70-01	Milling, 1" Average Depth	S.Y.	222
331-72-10B-HMA	Inlet Pavement (Includes 6" Limerock Base and 1" thick of HMA, Asphalt Work Category 2)	S.Y.	40
334-2-13-1A	Driveway Pavement- Asphalt	S.Y.	44
350-1-1A	Driveway Pavement - Concrete	S.Y.	44
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	Ton	22
331-72-10A-HMA	Roadway Pavement Restoration ( Replace and match existing base thickness and asphalt course with 8" minimum, primed Limerock Base and 1" thick of HMA, Asphalt Work Category 3)	S.Y.	44
400-1-15	Class I Concrete [(Miscellaneous) (Trench build-up, collars, pipe plugs, structure plugs etc.) (This item is contingent upon field conditions and may increased decreased or eliminated by the Engineer)]	C.Y.	5
425-1-1	Swale Inlet Type D-3 (36" Dia.) (Less than 10 feet deep)	E.A.	4
425-1-2A	Swale Inlet Type D-3 (36" X 36") (Less than 10 feet deep)	E.A.	2
425-2-41	Manhole (Type P-7T, Any dimension, maximum 15' deep)	E.A.	2
425-82	Modify Structure- Cut to enlarge opening as needed in order to accommodate pipe due to utility conflict(s), brick and mortar as needed	E.A.	2
430-171-123	Pipe Culvert - 15" Diameter	L.F.	90
430-171-118	Pipe Culvert - 18" Diameter	L.F.	20
430-94-1-1	Desilting Pipe, 0 - 48"	L.F.	80
430-95-2	Desilting Drainage Structure	E.A.	3
443-70-3-2	French Drain (18" diameter pipe, trench depth 10 ft bls)	L.F.	560
522-1(1)	Concrete Sidewalk (4" thick)(Class I concrete, 3000 P.S.I.) (Including pedestrian ramps and sidewalk curbs)	S.Y.	78
575-2A	Sodding - St Augustine, or match existing, includes watering and maintenance. Contingent item based on field conditions, may be increased, or decreased by the engineer.	S.Y.	667
706-1-12	Reflective Pavement Markers (class B, mono or bi-directional, all colors)	E.A.	4
711-11-121	Thermoplastic ( White) (Solid) (6")	L.F.	35
711-11-123	Thermoplastic ( White) (Solid) (12")	L.F.	35
711-11-221	Thermoplastic ( Yellow) (Solid) (6")	L.F.	100
711-11-125	Thermoplastic ( White) (Solid) (24")	L.F.	14

Conflict Table

Conflict Point	Drainage		Water	
	Invert Elevation	Pipe Dia.	Top of Pipe	Pipe Dia.
CP-1	-0.40	15"	+1.70	4"
CP-2	-1.60	15"	+0.70	4"
CP-3	-1.70	15"	+0.30	4"
Elevation of pipes were not provided by the Utility Company, therefore standard cover were assumed. Assumed top and pipe diameter are preceded by an "A". Elevation on table are in NGVD				

PROPOSED STRUCTURES SCHEDULE

Structure	Type of Structure	Station	Inside Dimensions	Rim Elevation	Bottom Elevation	Pipe Invert Elevation				Remarks
						N	S	E	W	
S-1	D-3	10+90(15.0' RT)	36"x 36"	4.40	-2.40	-0.40		0.20		Remove and Replace Existing Structure
S-2	D-3	10+90(15.0' LT)	36"	4.40	-2.40		-0.40			
S-3	D-3	12+35 (15.0' RT)	36"x 36"	3.70	-1.80	0.20			0.20	
MH-1	P-7T	12+35 (5.0' RT)	42"x 42"	4.20	-3.60	-1.60	0.20	-0.40		
S-4	D-3	12+35 (15.0' LT)	36"	3.70	-3.60		-1.60			
S-5	D-3	13+20 (15.0' RT)	36"x 36"	3.00	-2.50	-0.50		-0.50		Remove and Replace Existing Structure
MH-2	P-7T	13+20 (5.0' RT)	42"x 42"	3.60	-3.70	-1.70	-0.50		-0.40	
S-6	D-3	13+20 (15.0' LT)	36"	3.20	-3.70		-1.70			Remove and Replace Existing Structure



12/15/2023

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REVISIONS

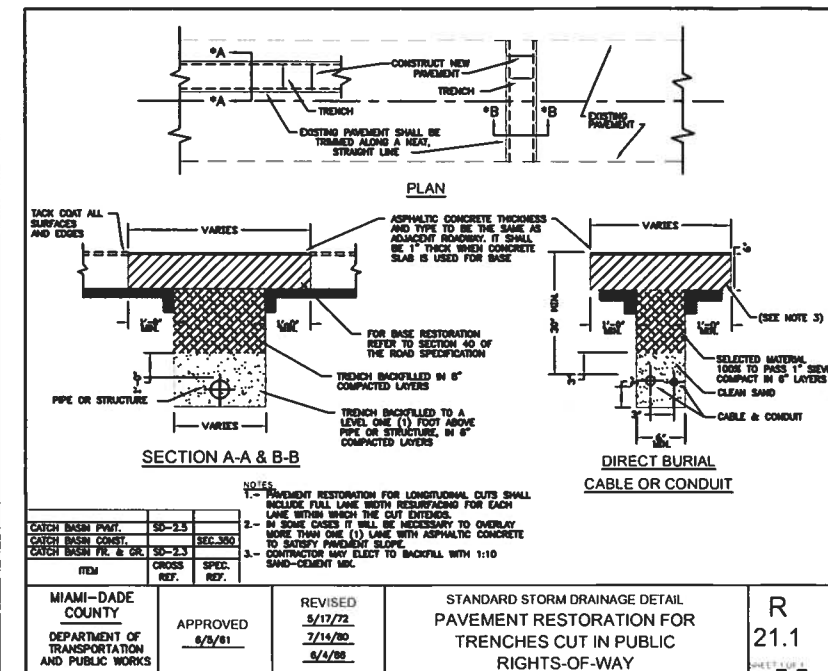
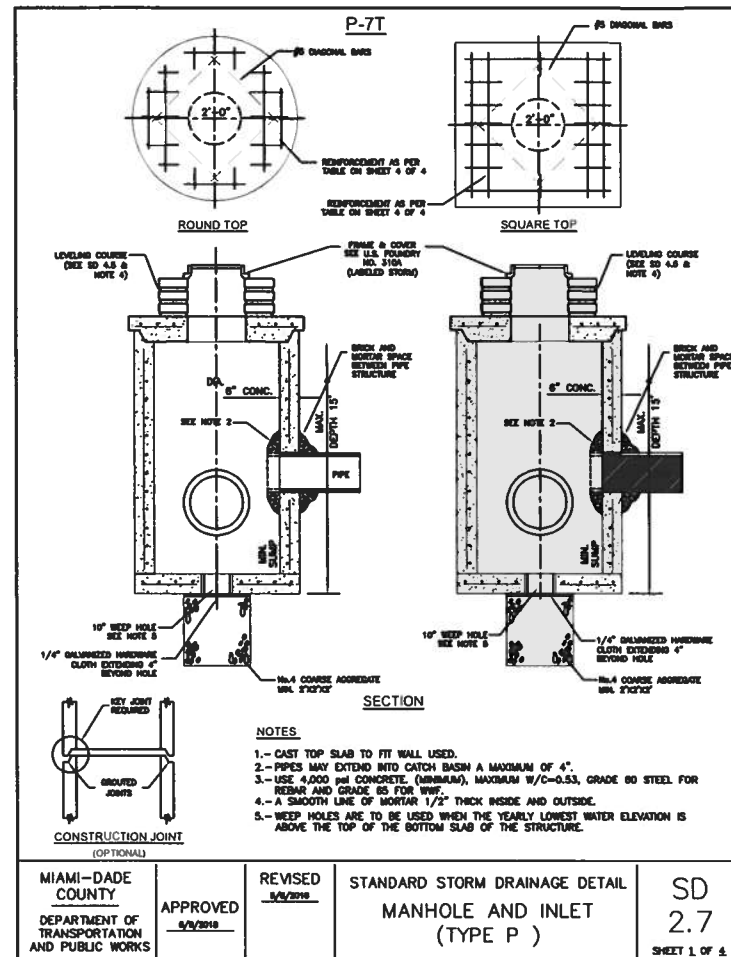
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NW 100 TERR FROM NW 12 AVE TO NW 13 AVE  
DRAINAGE IMPROVEMENT PROJECT

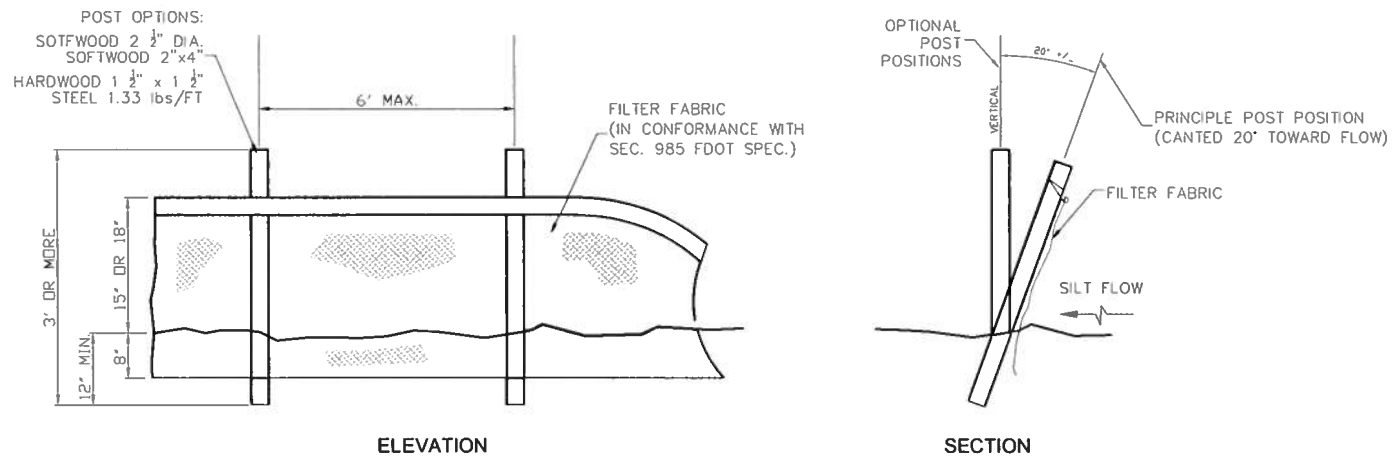
	NAME	DATE		NAME	DATE
DESIGNED BY	R.D.	11-15-2023	DRAWN BY	L.C.P.	11-15-2023
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SUPERVISED BY					



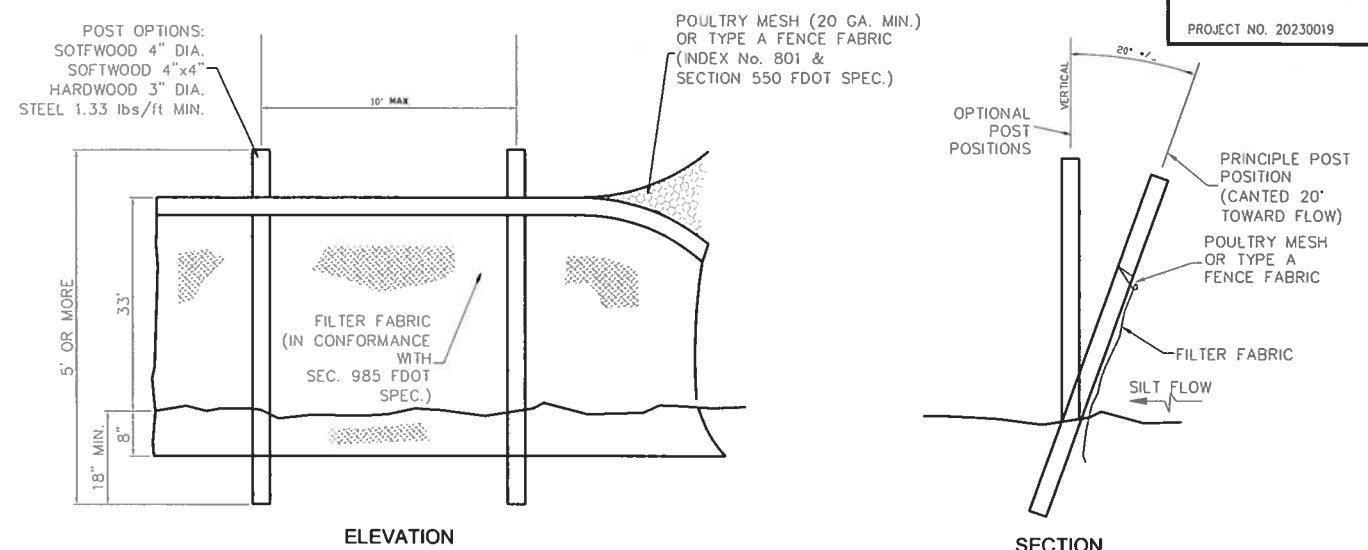
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC WORKS  
ROADWAY ENGINEERING AND  
RIGHT OF WAY DIVISION  
STEPHEN P. CLARK, CHIEF  
111 NW 1 ST  
MIAMI, FLORIDA 33128



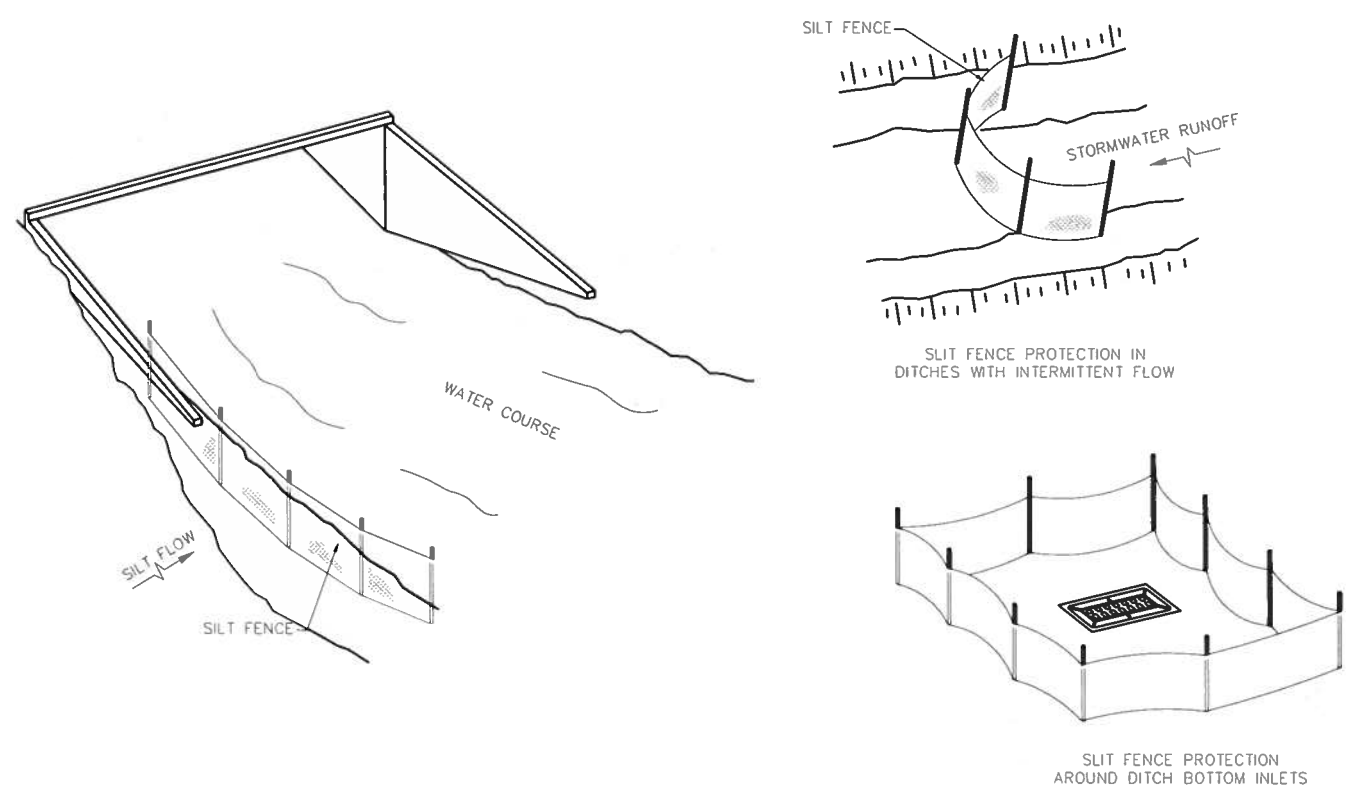
## STANDARD DETAILS



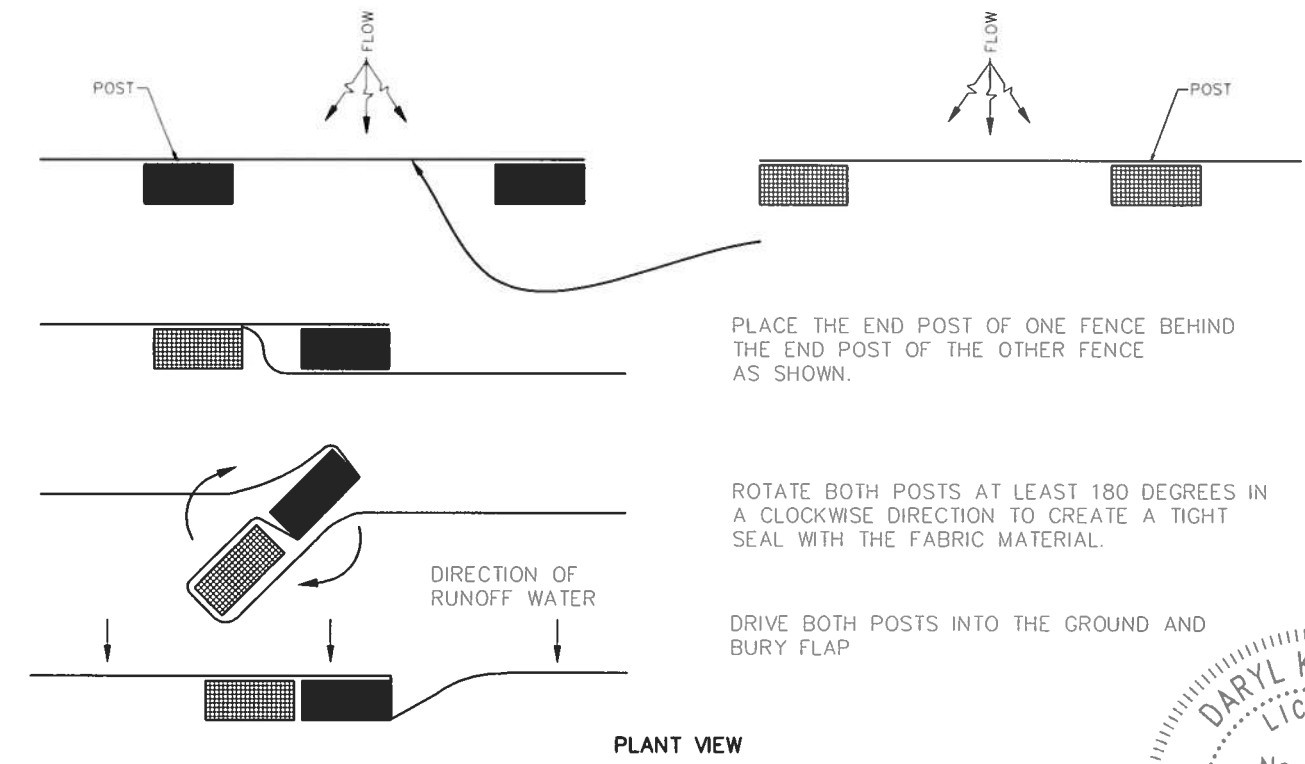
TYPE III SILT FENCE (TYP.)



TYPE IV SILT FENCE (TYP.)



SILT FENCE APPLICATIONS (TYP.)



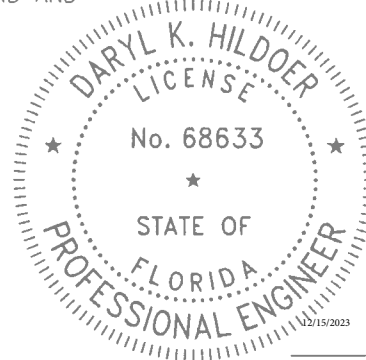
JOINING TWO SILT FENCES (TYP.)

NOTES FOR SILT FENCES:

- 1- TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
- 2- TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

- 3- DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
- 4- WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.

SEDIMENT BARRIERS (TYP.)  
OR APPROVED ALTERNATIVE



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REVISIONS								NW 100 TER FROM NW 12 AVE TO NW 13 AVE						MIAMI-DADE COUNTY		DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS ROADWAY ENGINEERING AND RIGHT OF WAY DIVISION 1115 NW 13 ST MIAMI, FLORIDA 33128		SEDIMENT BARRIERS DETAILS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	CHECKED BY	NAME	DATE	SUPERVISED BY		
									R.D.	11-15-2023		L.C.P.	11-15-2023		R.D.	11-15-2023			
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