



March 17, 2025

Mr. Anthony Marini
Project Manager
Southern Underground Industries
794 S Military Trail
Deerfield Beach, FL 33442

Subject: **WATR 2007o – Bunche Park Water Main Replacement Project**
Notice of Change of Conditions

Dear Mr. Marini,

We acknowledge receipt of your letter dated February 19, 2025, regarding contract modifications introduced by the City of Miami Gardens following the review and approval of Permit No. ENGR-2023-001252.

After careful review, we find the proposed changes and associated costs acceptable, given that these revisions were introduced post-bid and were not reflected in the original bid documents. The approved items and costs are as follows:

Item No.	Description	Cost
1	Additional Limerock and Labor	\$ 25,208.80
2	Additional Mill and Overlay Limits	\$ 87,880.56
3	Additional Density Testing	\$ 15,000.00
4	Miami Gardens Inspector Overtime	\$ 10,938.00
5	Additional Width on Trench Restoration	\$ 48,915.77
	TOTAL	\$ 187,943.13

However, Item #6, related to the increased bond amount, is not approved, as bond coverage should be included in the overhead costs of the approved items.

Please submit a revised cost proposal so we can proceed with processing the change order.

If you have any questions, please feel free to call us.



Very Truly Yours,

A handwritten signature in blue ink, appearing to read "T. Raihl", is written over the typed name.

Thomas Raihl, PE, CCM
Construction Manager

CC: S. Zamacona
H. Nikvan
K. Rossy
P. Melo
G. Neukamp
A. Abdool-Ghany
N. Duque
File



February 19, 2025

Thomas Raihl, P.E.
Construction Manager, NMB Water
19150 NE 8th Ave,
North Miami Beach, FL 33169

**RE: Notice of Change of Conditions
City of North Miami Beach – Bunche Park Water Main Replacement Project
Project No. 24-016-SG**

Dear Mr. Raihl,

As you are aware, over the past four months, there have been delays in starting this project with no fault of SUI. Various delays between North Miami Beach and the City of Miami Gardens have contributed to this situation.

During the on-site preconstruction meeting on 1/28/25 with both Miami gardens and North Miami Beach, it was announced that the City of Miami Gardens is introducing changes of the conditions to the contract. These new requirements encompass restoration and inspection only at certain times from Monday through Thursday, which will inevitably lead to added time and costs. Importantly, none of these additional requirements were specified in the original bid documents.

We have now quantified the change of conditions to include 6 different changes quantified below.

- Change of conditions item #1 includes the additional limerock and labor to go from North Miami Beach spec of 8” thick of limerock to Miami Gardens spec of 12” thick of limerock for a cost of \$25,208.80.
- Change of conditions item #2 includes the additional mill and overlay limits the city of Miami Gardens demanded in order to receive the ROW permit which cost is \$87,880.56.
- Change of conditions item #3 includes the increased densities the city of Miami Gardens requests as part of the ROW permit conditions which is now every 100’ instead of every 300’ which was the bid spec which cost is \$15,000.00
- Change of conditions item #4 includes payment for overtime requests in order to have city of Miami Gardens onsite every Fridays to witness densities since they are closed on Fridays, which cost is estimated at \$10,938.00

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- Change of conditions item #5 includes the additional 1' of asphalt restoration width from the bid spec of trench width plus 1' on both sides of the trench to Miami Gardens spec of trench width plus 1.5' on both sides of the trench. Miami Gardens' restoration detail also calls for the installation of 12" of limerock on 1.5' on both sides of the trench where the bid spec called for no limerock past the trench width. This cost is \$48,915.77
- Change of conditions item #6 is the increased bond cost for all of these items which is 2.5% the value of the change at \$187,943.13, which is \$4698.58.

This brings the total cost of all of the change of conditions to be \$192,641.71.

SUI reserves our rights to claim additional costs and time due to any new requirements imposed by the City of Miami Gardens.

Sincerely,

Anthony Marini
Project Manager

Anthony Marini



AW 01 - Additional Limerock quantities/ Labor

SUI Labor & Equipment	\$ 11,400.00	
Materials	\$ 13,808.80	
Subcontract		
Additional Items	\$ -	
<hr/> <hr/>		
Crew Additional Work, Cost Presentation		\$25,208.80
	<u>Total</u>	<u>\$25,208.80</u>

Limerock Calculations

Length (Ft)	Width (Ft)	Depth (In)	CuFt	Compaction Factor (1.75)	Tons	\$/Ton (\$30)
4261	5	8	14203.33333	24855.83333	920.5864198	\$27,617.59
4261	5	12	21305	37283.75	1380.87963	\$41,426.39

Cost Difference \$13,808.80

Labor/ Equipment Calculations

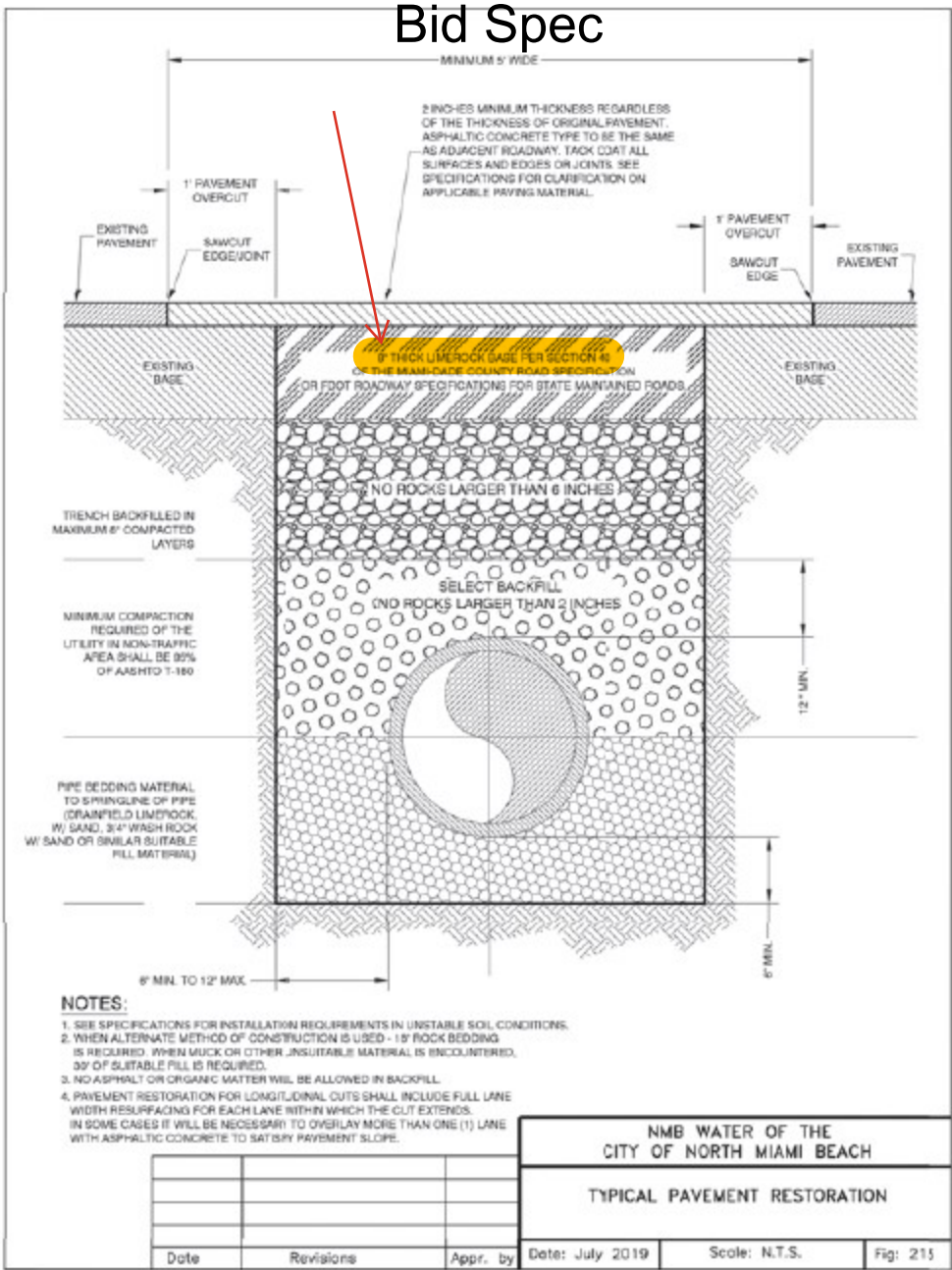
\$3,800/ Day

Depth (in)	Length (Ft)	Production (Ft/Day)	Days	Cost
8	4261	300	14	\$53,200.00
12	4261	250	17.044	\$64,600.00

Cost Difference \$11,400.00

Total Cost Difference \$25,208.80

Bid Spec



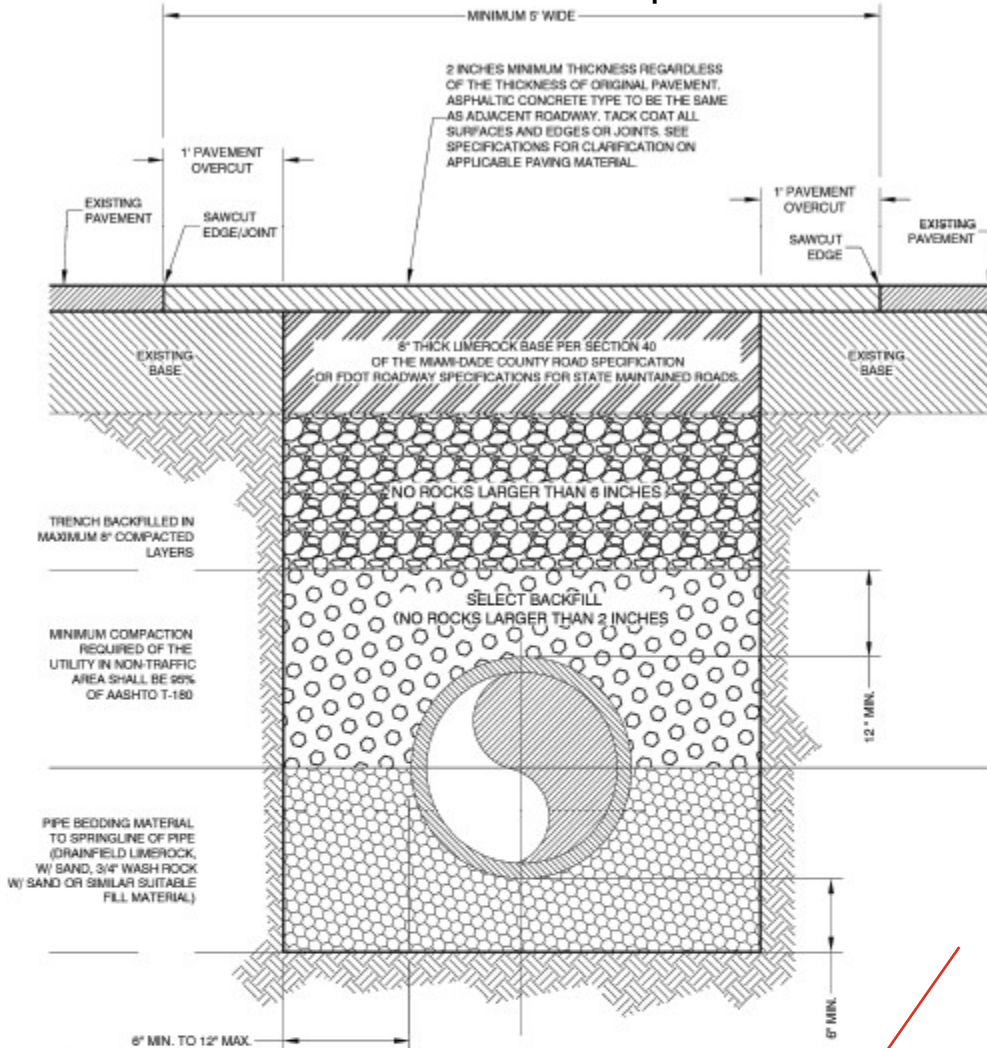
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FULLY

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY:	L.O.
DRAWN BY:	G.A.M.
CHECKED BY:	R.L.
SCALE:	N/A



Miami Gardens Spec



NOTES:

- SEE SPECIFICATIONS FOR INSTALLATION REQUIREMENTS IN UNSTABLE SOIL CONDITIONS.
- WHEN ALTERNATE METHOD OF CONSTRUCTION IS USED - 18" ROCK BEDDING IS REQUIRED. WHEN MUCK OR OTHER UNSUITABLE MATERIAL IS ENCOUNTERED, 30" OF SUITABLE FILL IS REQUIRED.
- NO ASPHALT OR ORGANIC MATTER WILL BE ALLOWED IN BACKFILL.
- PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.

FOR MIAMI GARDENS RIGHT OF WAY, 12" LIMEROCK BASE IN (2) 6" LIFTS (EACH LIFT COMPACTED TO 98% OF MAX. DENSITY) WITH 0.5" WIDTH OF LIMEROCK BASE TO BE "TRENCH WIDTH PLUS 1.5 FEET ON EACH SIDE MATCH EXISTING ASPHALT (1.5" MIN.); DENSITY/COMPACTION TESTS WILL BE REQUIRED FOR BACKFILLING LIFTS, SUBGRADE AND LIMEROCK LIFTS.

NMB WATER OF THE CITY OF NORTH MIAMI BEACH

TYPICAL PAVEMENT RESTORATION

Date	Revisions	Appr. by

Date: July 2019 Scale: N.T.S. Fig: 213

REVISIONS

NO.	DATE	DESCRIPTION

APPROVED ENGINEERING

01/21/2025 12:23:03 PM

DESIGNED BY: L.O.

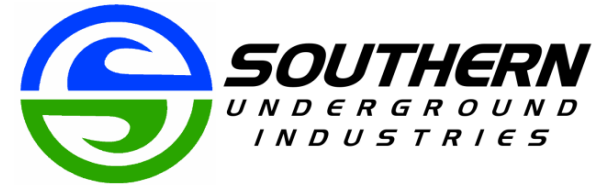
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CHECKED BY: R.L.

SCALE: N/A



AW #2 - Increased Mill and Overlay Quantities
Summary



AW 02 - Additional Mill and Overlay Quantities

SUI Labor & Equipment
Materials
Subcontract
Additional Items

\$ -
\$ -
\$ -
\$ 87,880.56

Crew Additional Work, Cost Presentation

\$87,880.56

Total

\$87,880.56

Additional Mill and Overlay Quantities #1									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	64+27	67+61	PM-4 - PM-5	334	10	371.1111111	\$1,113.33	\$5,195.56	\$6,308.89
MG Spec	64+27	69+80	PM-4 - PM-5	553	20	1228.888889	\$3,686.67	\$17,204.44	\$20,891.11
Cost Difference									\$14,582.22

Additional Mill and Overlay Quantities #2									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	72+12	73+13	PM-5	101	10	112.2222222	\$336.67	\$1,571.11	\$1,907.78
MG Spec	71+73	73+13	PM-5	140	20	311.1111111	\$933.33	\$4,355.56	\$5,288.89
Cost Difference									\$3,381.11

Additional Mill and Overlay Quantities #3									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	106+86	107+22	PM-7	36	10	40	\$120.00	\$560.00	\$680.00
MG Spec	106+86	107+79	PM-7	93	20	206.6666667	\$620.00	\$2,893.33	\$3,513.33
Cost Difference									\$2,833.33

Additional Mill and Overlay Quantities #4									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	111+15	111+15	PM-7	0	0	0	\$0.00	\$0.00	\$0.00
MG Spec	111+15	111+85	PM-7	70	20	155.5555556	\$466.67	\$2,177.78	\$2,644.44
Cost Difference									\$2,644.44

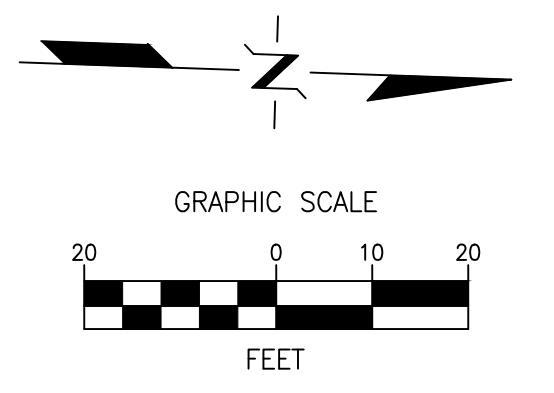
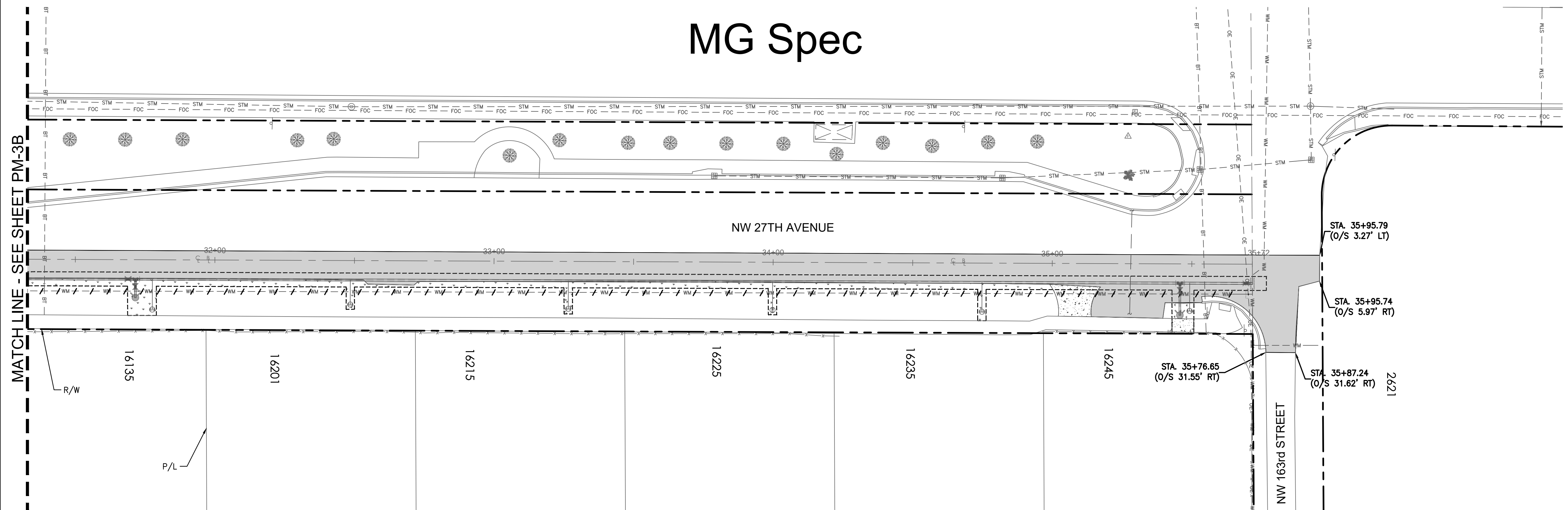
Additional Mill and Overlay Quantities #5									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	0	0	PM-8	0	0	0	\$0.00	\$0.00	\$0.00
MG Spec	111+85	121+69	PM-8	984	20	2186.666667	\$6,560.00	\$30,613.33	\$37,173.33
Cost Difference									\$37,173.33

Additional Mill and Overlay Quantities #6									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	121+69	122+38	PM-8	69	15	115	\$345.00	\$1,610.00	\$1,955.00
MG Spec	121+69	122+50	PM-8	81	30	270	\$810.00	\$3,780.00	\$4,590.00
Cost Difference									\$2,635.00

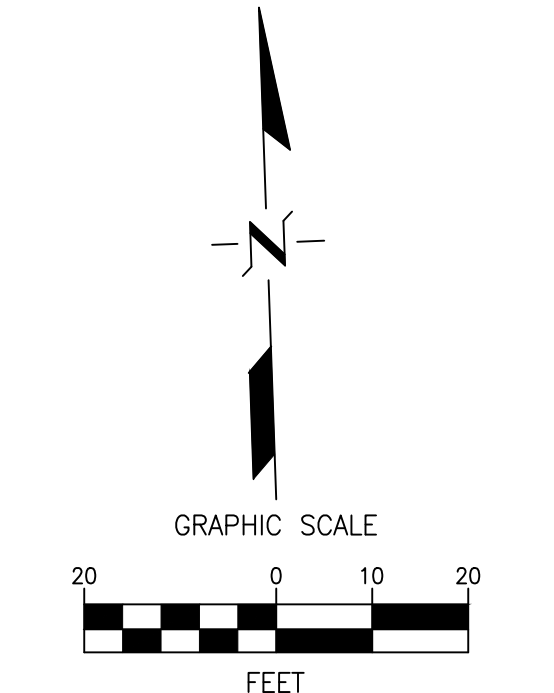
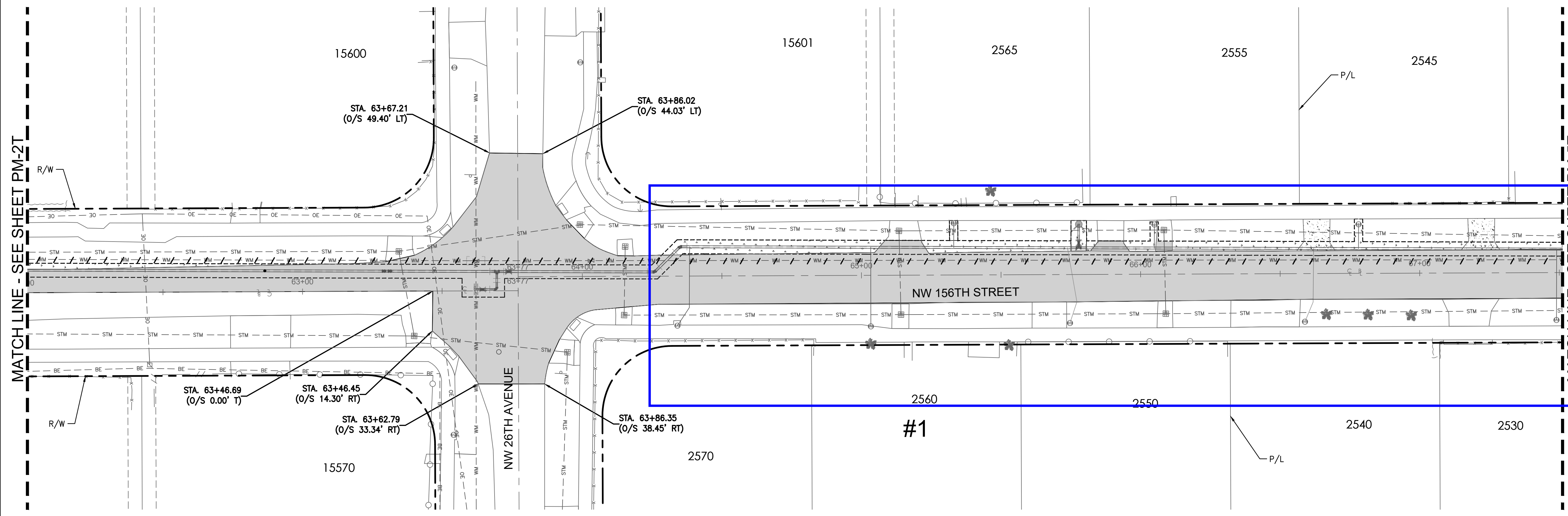
Additional Mill and Overlay Quantities #7									
	Start Station	Stop Station	Page	Total LF	Width	Total SY	Mill \$ (\$3/SY)	Asphalt Overlay (\$14/SY)	Total \$
Bid Spec	0	0	PM-9	0	0	0	\$0.00	\$0.00	\$0.00
MG Spec	122+50	129+02	PM-9	652	20	1448.888889	\$4,346.67	\$20,284.44	\$24,631.11
Cost Difference									\$24,631.11

Total Cost Difference	\$87,880.56
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MG Spec



- LEGEND**
- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
 - MILL AND PAVEMENT RESURFACING AREA
 - ▨ SOD RESTORATION
 - ▩ BRICK PAVERS
 - ▤ CONCRETE
 - ▧ GRAVEL DRIVEWAY
- NOTES:**
- CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
 - SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS (REFER TO FDOT INDEX 520-001 & 522-001 ON SHEET WM-22)
 - IF EXCAVATION DAMAGES ROADWAY OFFSET AND/OR UNDERMINES ROADWAY, PAVEMENT RESTORATION AND MILLING/RESURFACING WILL BE REQUIRED.



REVISIONS		
NO.	DATE	DESCRIPTION
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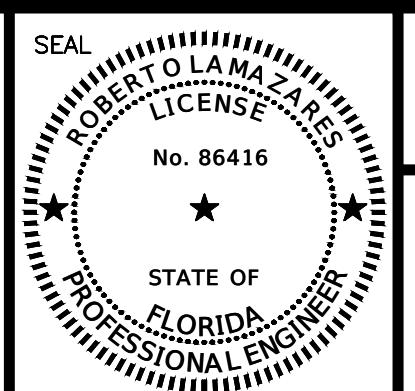
DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

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 Miami, Florida 33173
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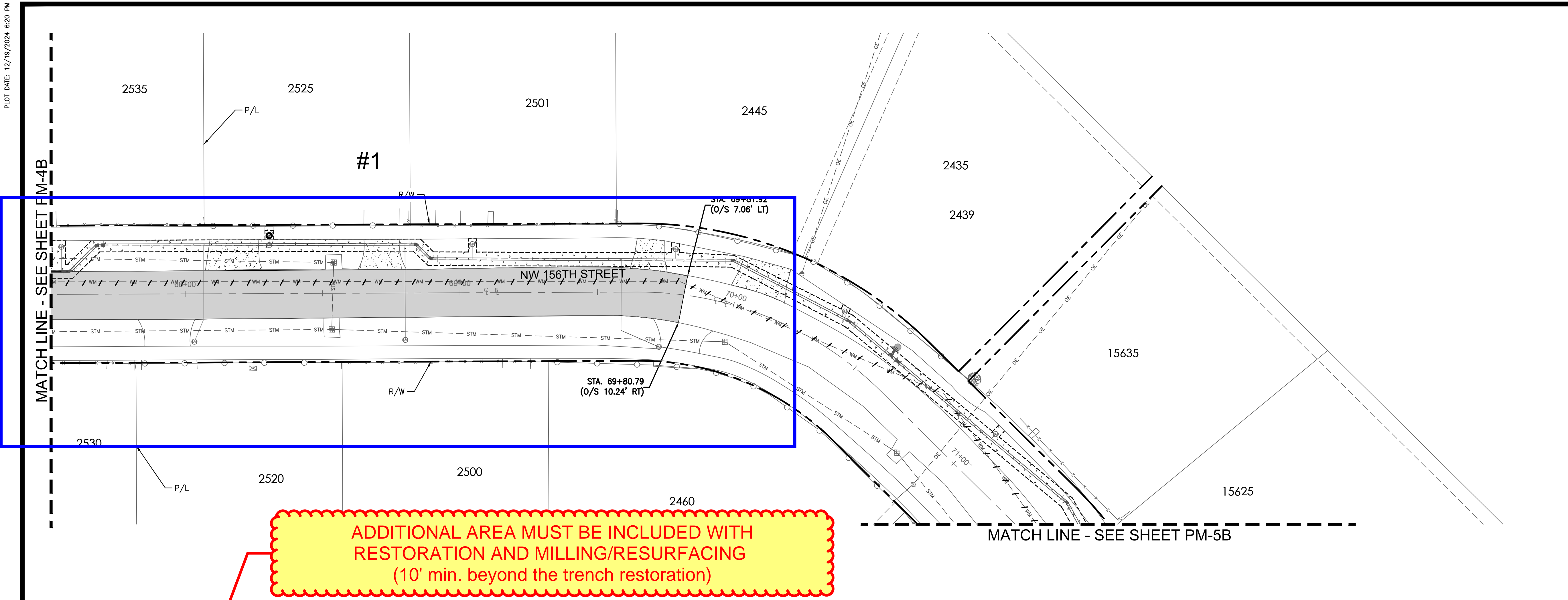


BUNCHE PARK WATER MAIN REPLACEMENTS

SHEET TITLE
PAVEMENT RESTORATION PLAN



DATE: 1/18/2024
 DRAWING NO.: PM-4

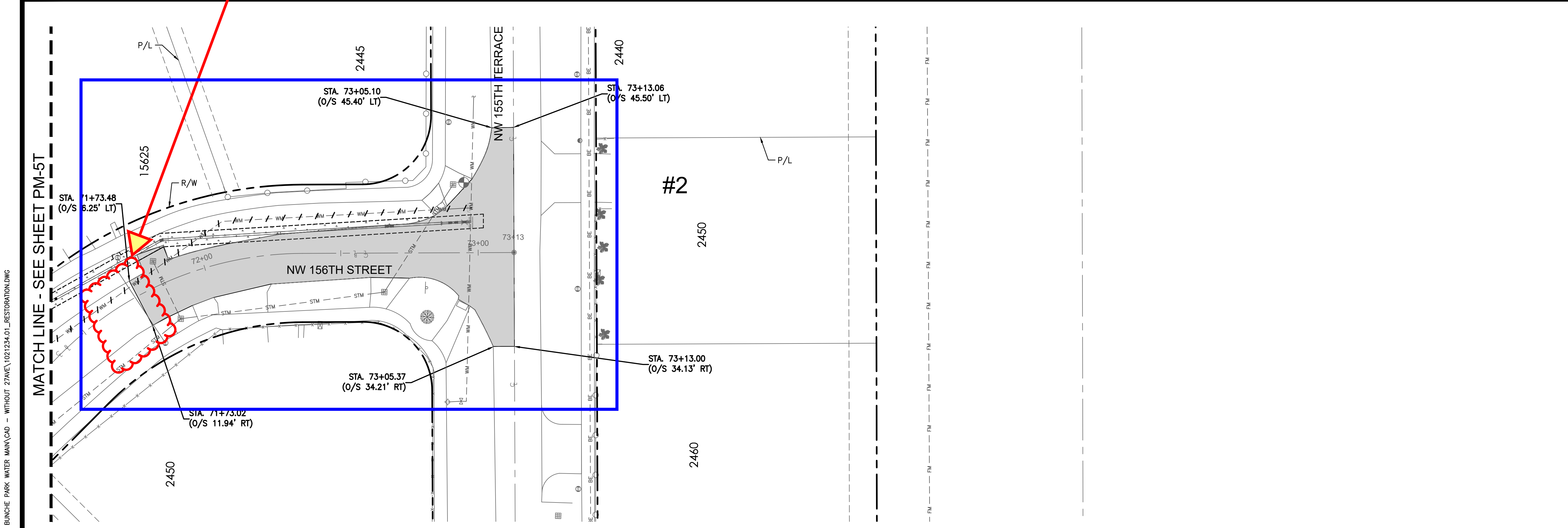


LEGEND

- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
- MILL AND PAVEMENT RESURFACING AREA
- SOD RESTORATION
- BRICK PAVERS
- CONCRETE
- GRAVEL DRIVEWAY

NOTES:

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3. IF EXCAVATION DAMAGES ROADWAY OFFSET AND/OR UNDERMINES ROADWAY, PAVEMENT RESTORATION AND MILLING/RESURFACING WILL BE REQUIRED.



KEY MAP
1"=1000'

REVISIONS		
NO.	DATE	DESCRIPTION

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 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

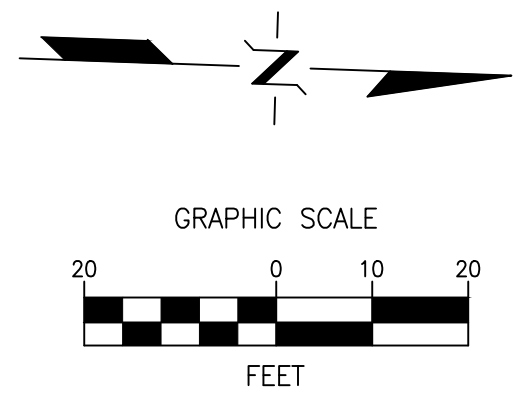
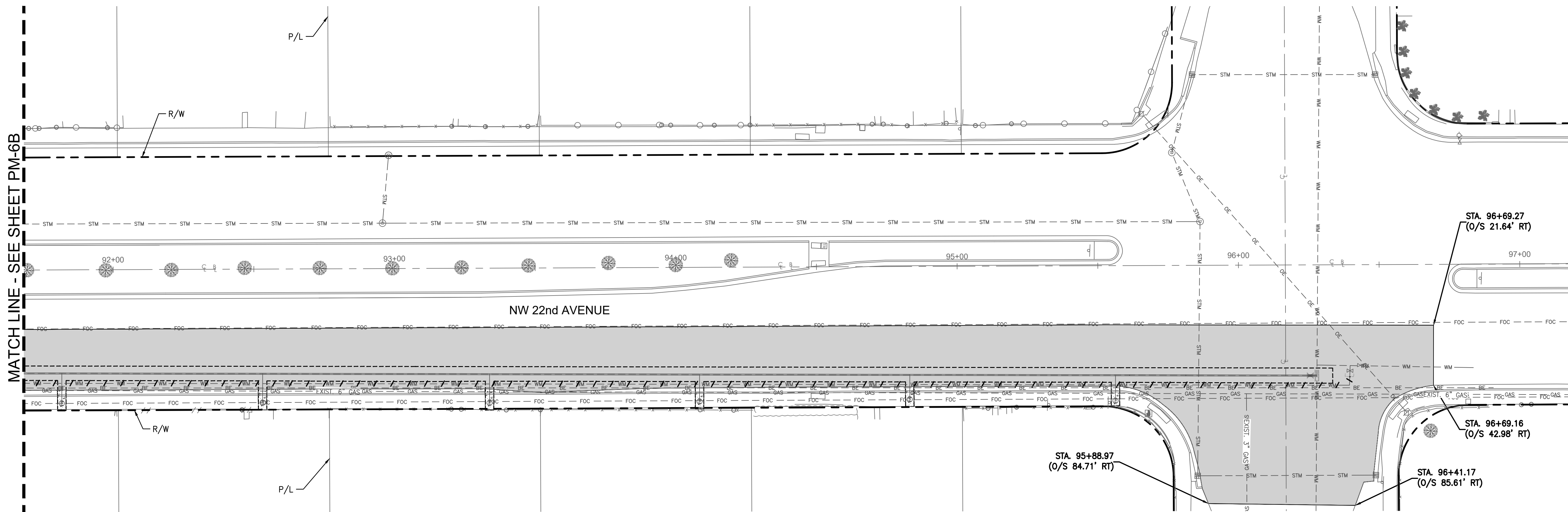
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BUNCHE PARK WATER MAIN REPLACEMENTS

SHEET TITLE
 PAVEMENT RESTORATION PLAN

DATE: 1/18/2024
 DRAWING NO.: PM-5

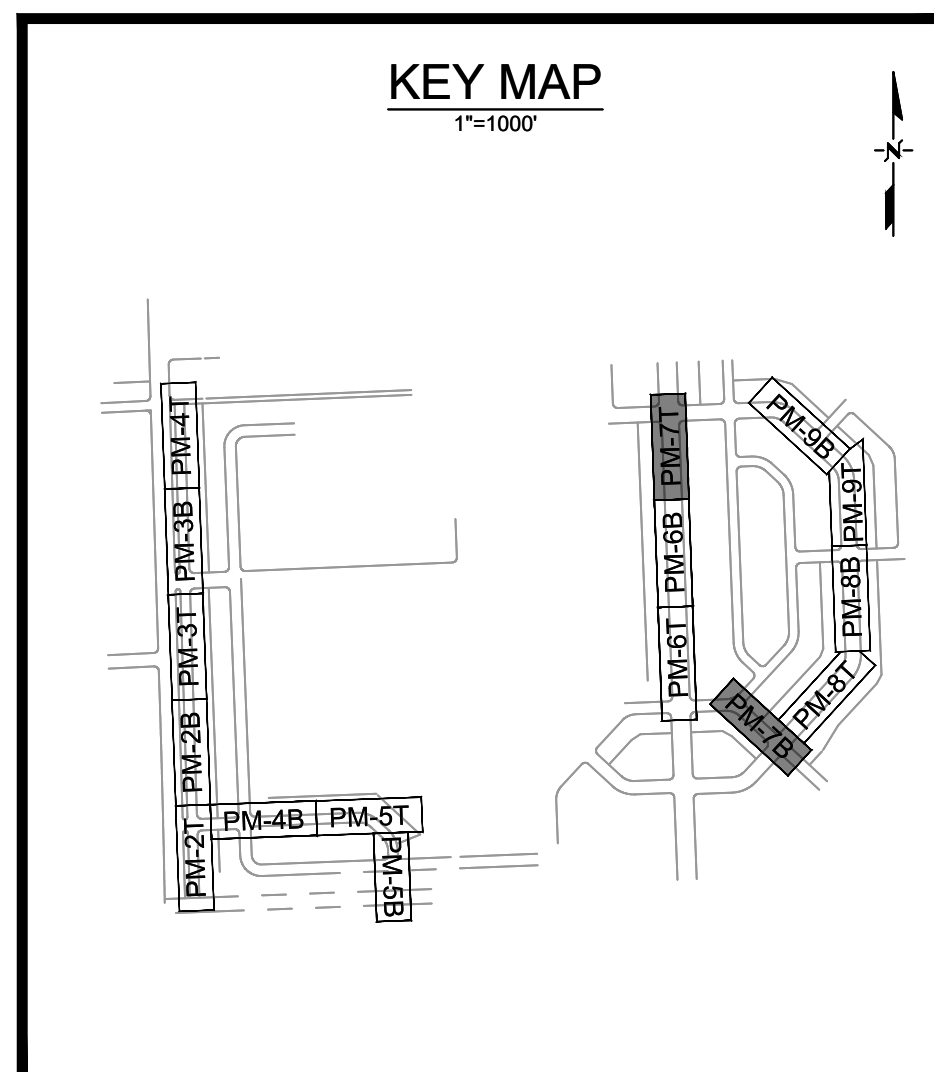
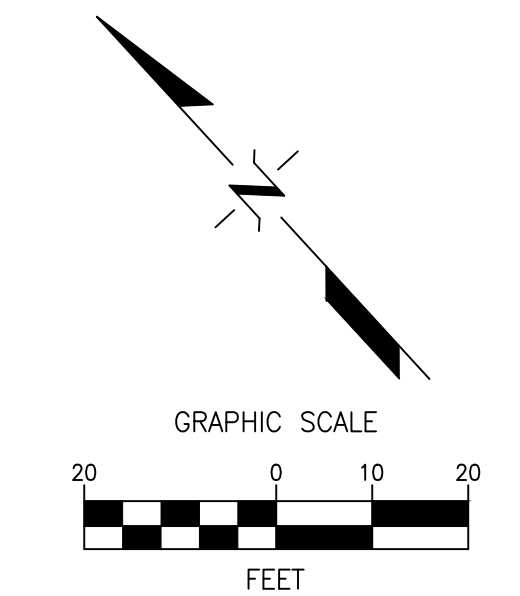
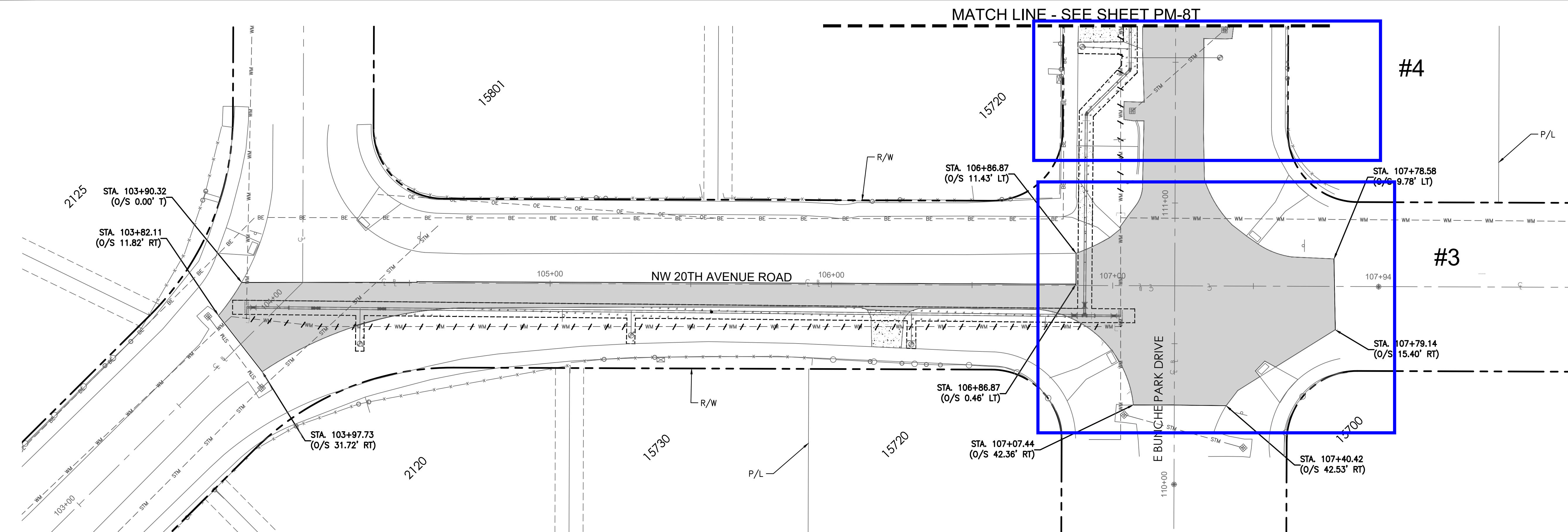


LEGEND

- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
- [Hatched Box] MILL AND PAVEMENT RESURFACING AREA
- [Dashed Box] SOD RESTORATION
- [Cross-hatched Box] BRICK PAVERS
- [Stippled Box] CONCRETE
- [Circular Pattern Box] GRAVEL DRIVEWAY

NOTES:

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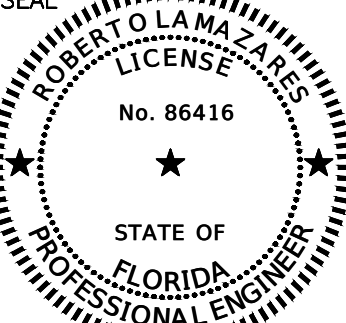
DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'


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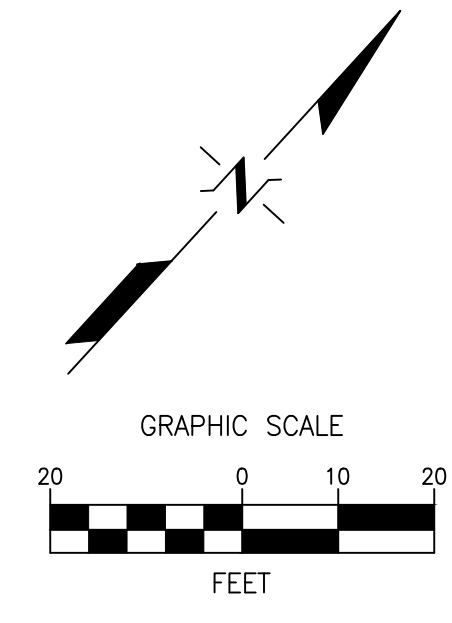
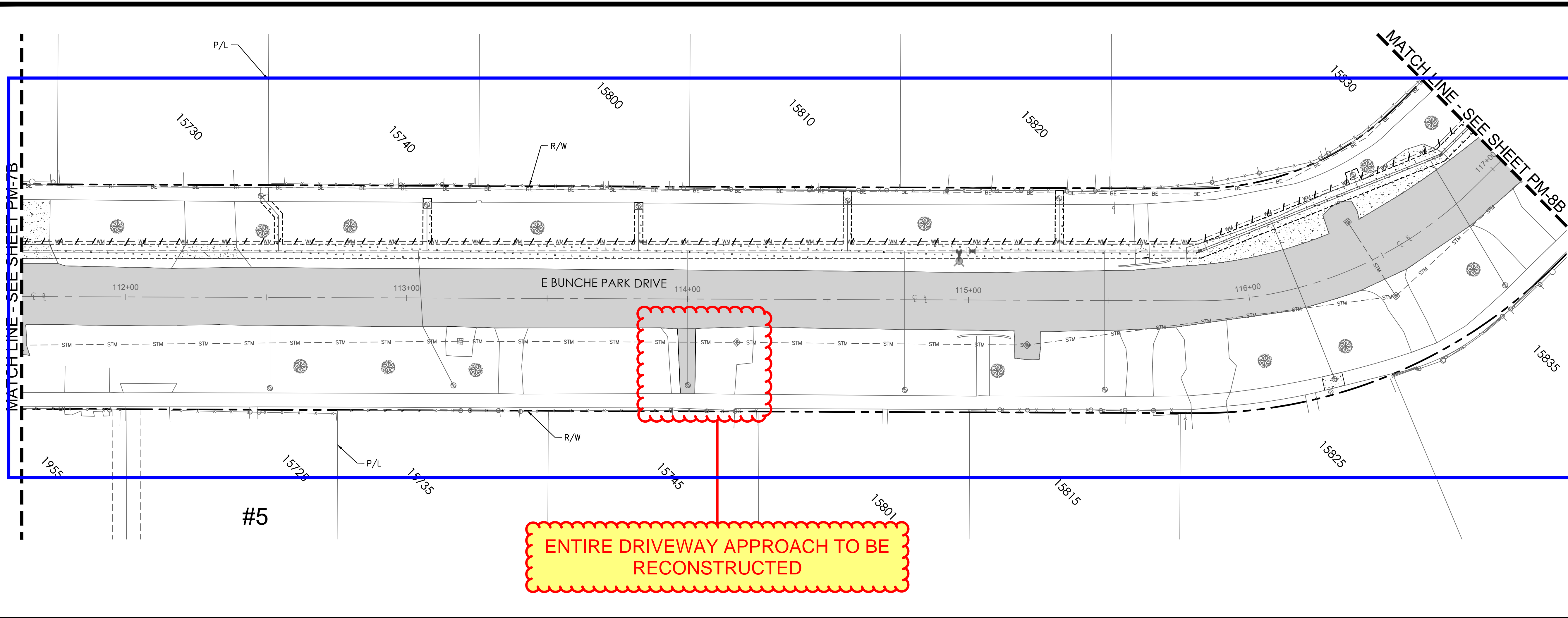

NMBwater
 North Miami Beach, FL
Award Winning

BUNCHE PARK WATER MAIN REPLACEMENTS

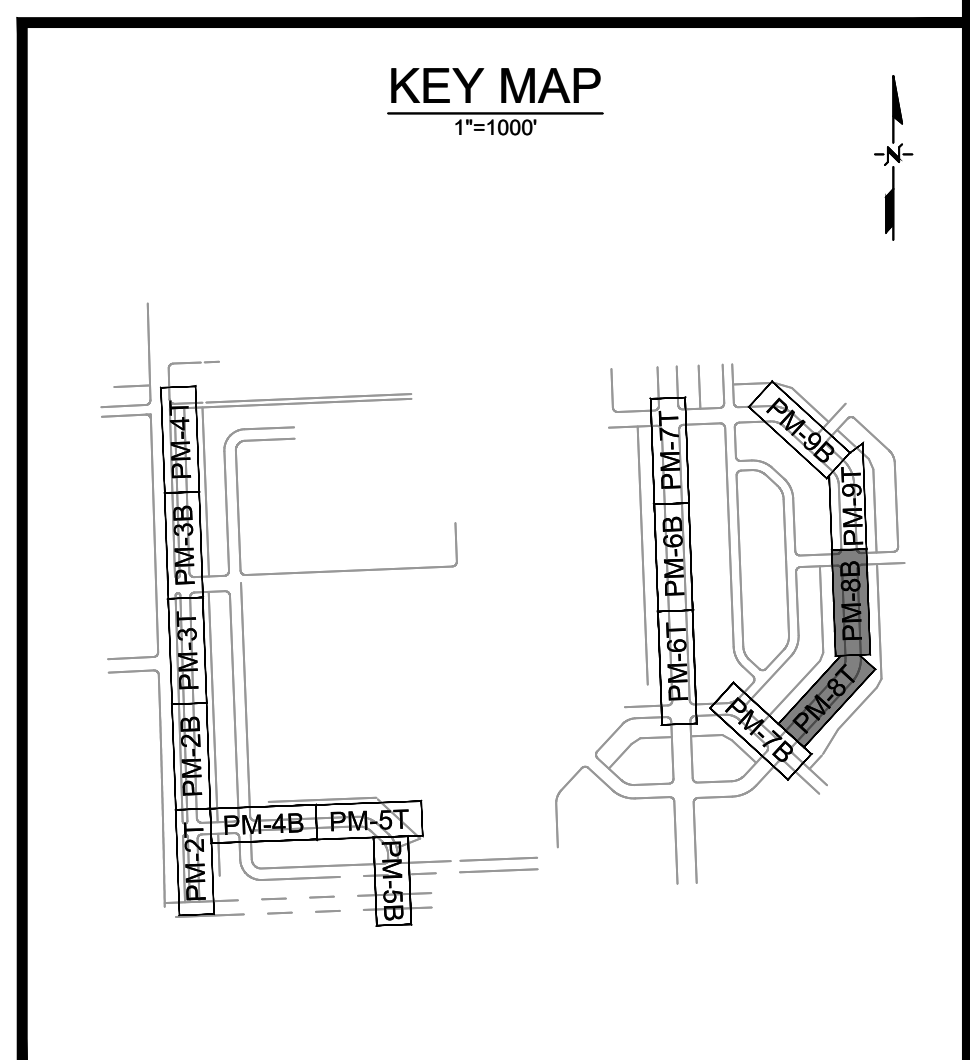
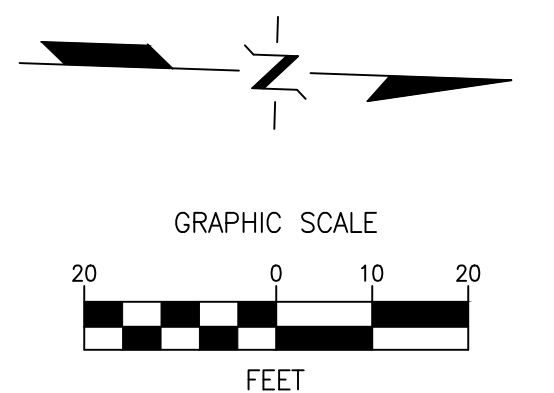
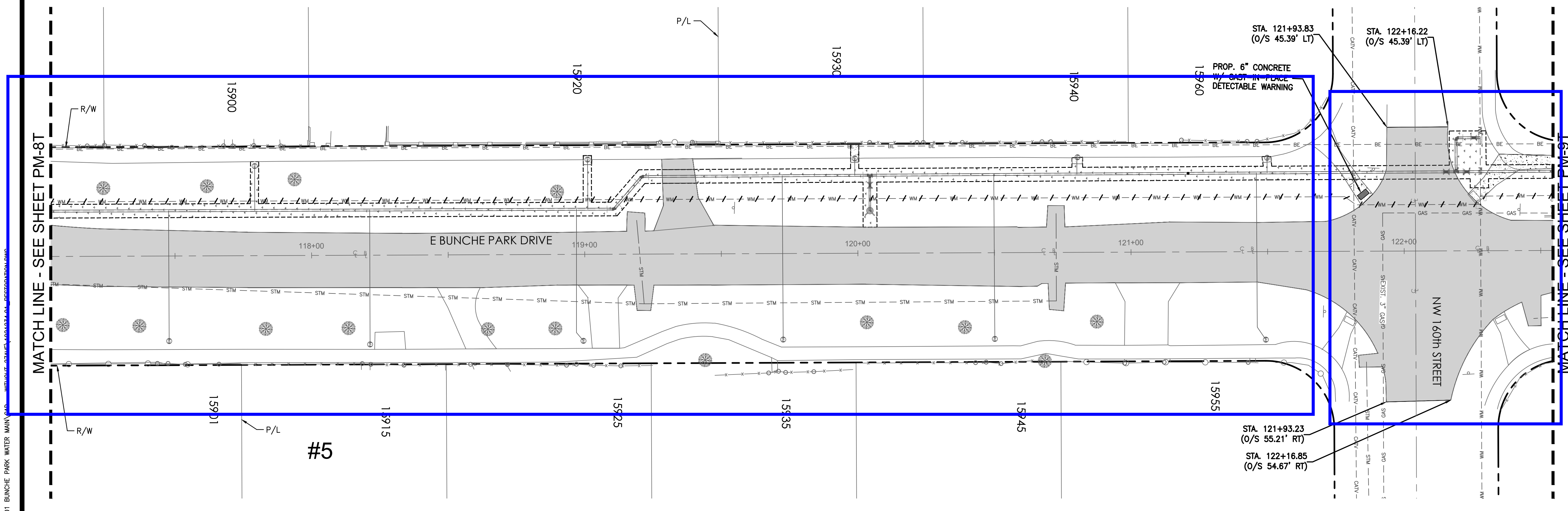
SHEET TITLE
PAVEMENT RESTORATION PLAN



DATE: 1/18/2024
 DRAWING NO.: **PM-7**



- LEGEND**
- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
 - MILL AND PAVEMENT RESURFACING AREA
 - SOD RESTORATION
 - BRICK PAVERS
 - CONCRETE
 - GRAVEL DRIVEWAY
- NOTES:**
- CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
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 - IF EXCAVATION DAMAGES ROADWAY OFFSET AND/OR UNDERMINES ROADWAY, PAVEMENT RESTORATION AND MILLING/RESURFACING WILL BE REQUIRED.



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NO.	DATE	DESCRIPTION

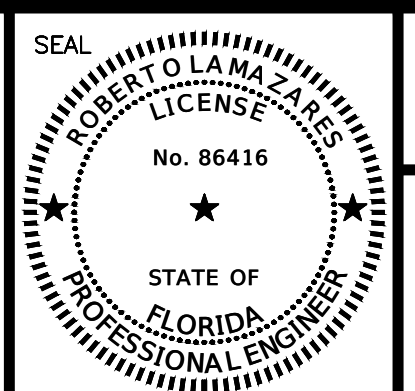
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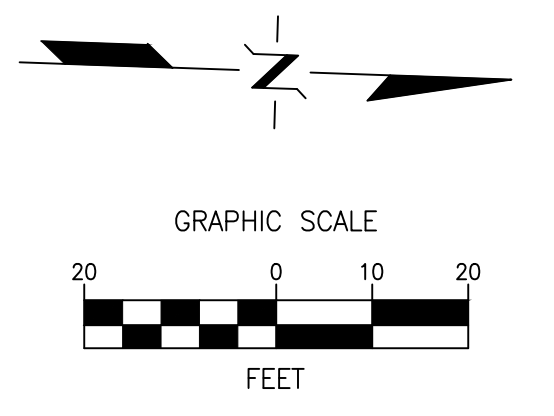
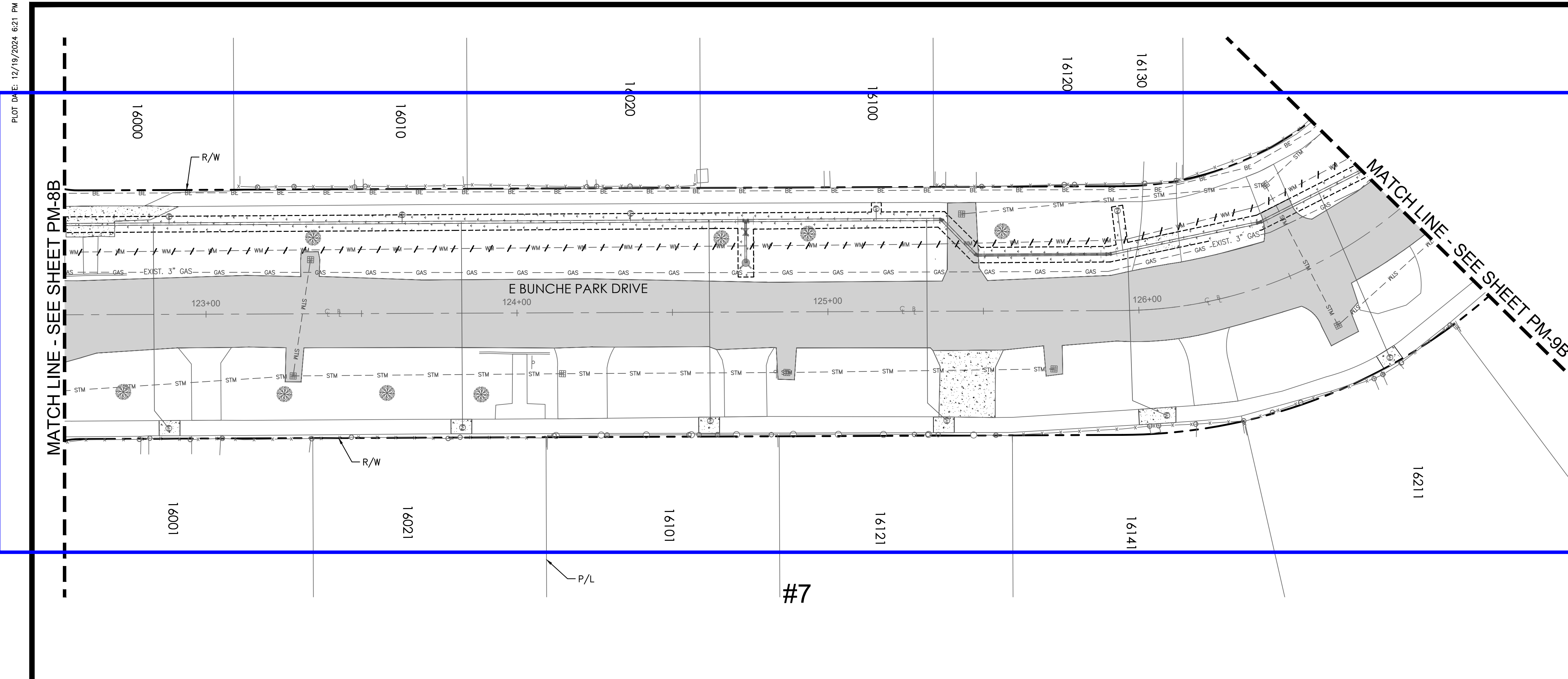
SHEET TITLE
 PAVEMENT RESTORATION PLAN



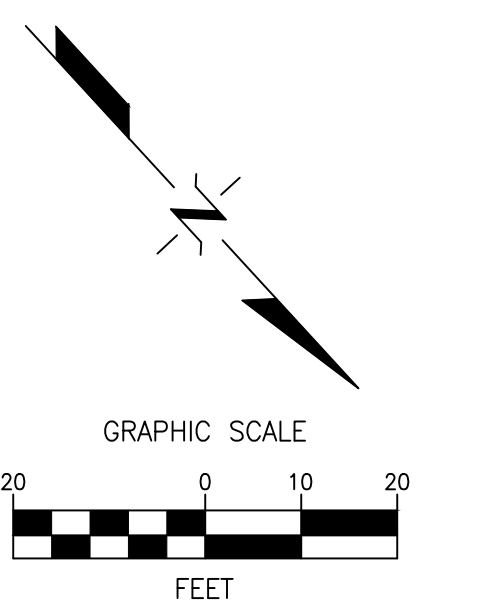
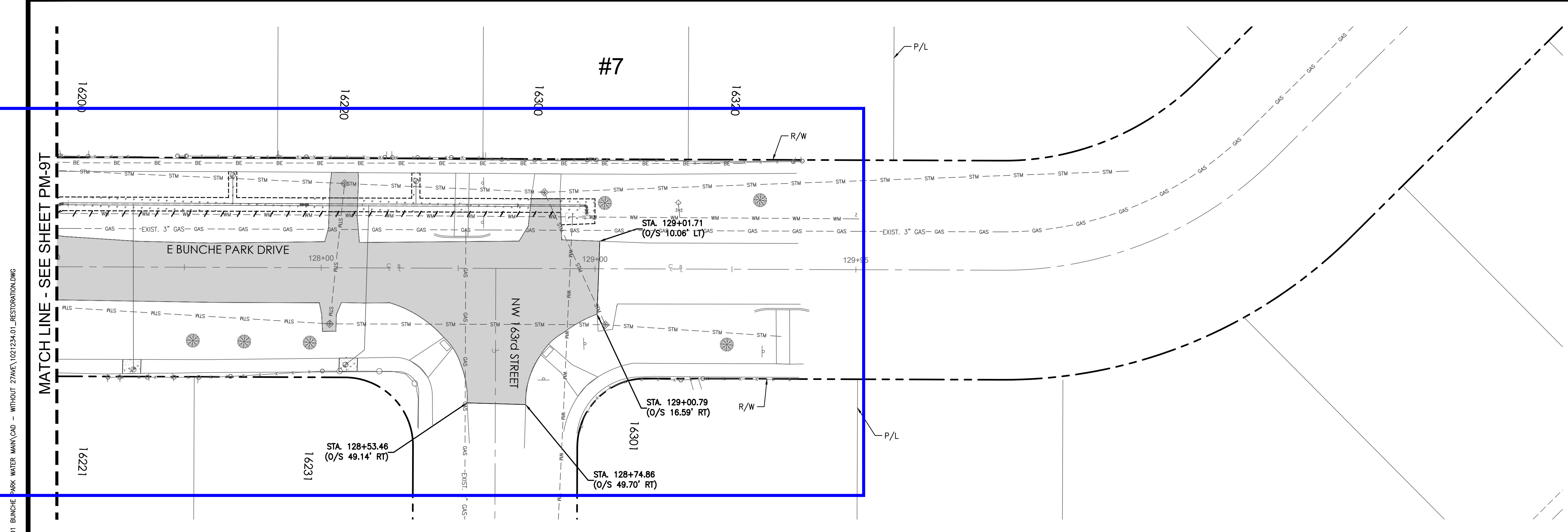
DATE: 1/18/2024
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PLOT DATE: 12/19/2024 6:21 PM

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- LEGEND**
- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
 - [Shaded Area] MILL AND PAVEMENT RESURFACING AREA
 - [Dotted Area] SOD RESTORATION
 - [Cross-hatched Area] BRICK PAVERS
 - [Stippled Area] CONCRETE
 - [Circular Pattern Area] GRAVEL DRIVEWAY
- NOTES:**
1. CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
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REVISIONS		
NO.	DATE	DESCRIPTION

APPROVED
ENGINEERING

01/21/2025 12:23:04 PM

DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

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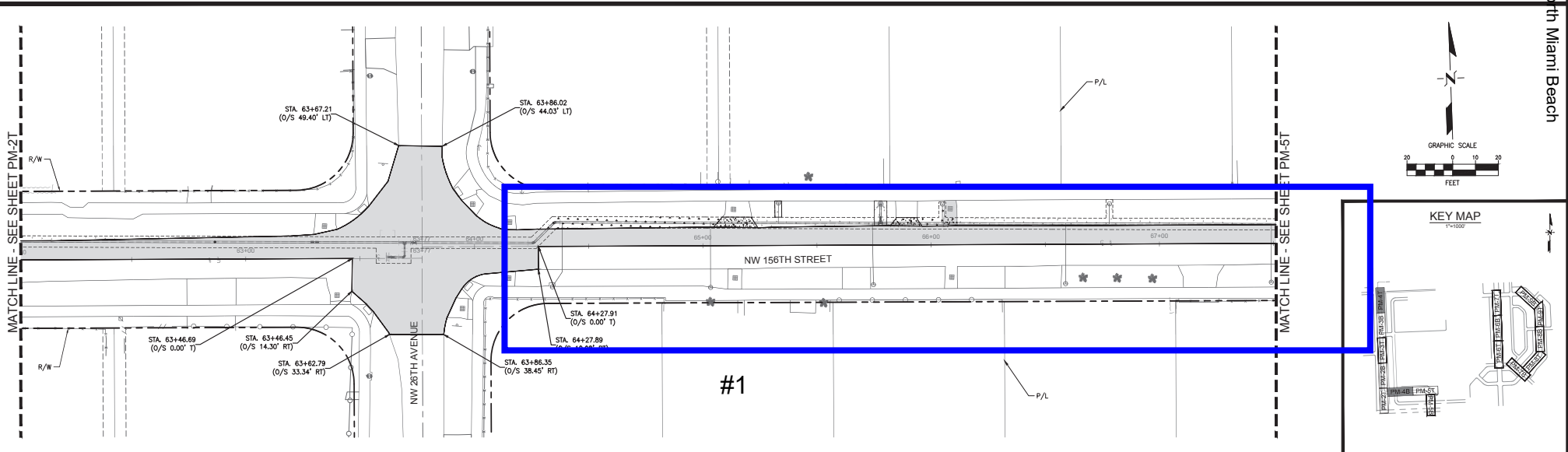
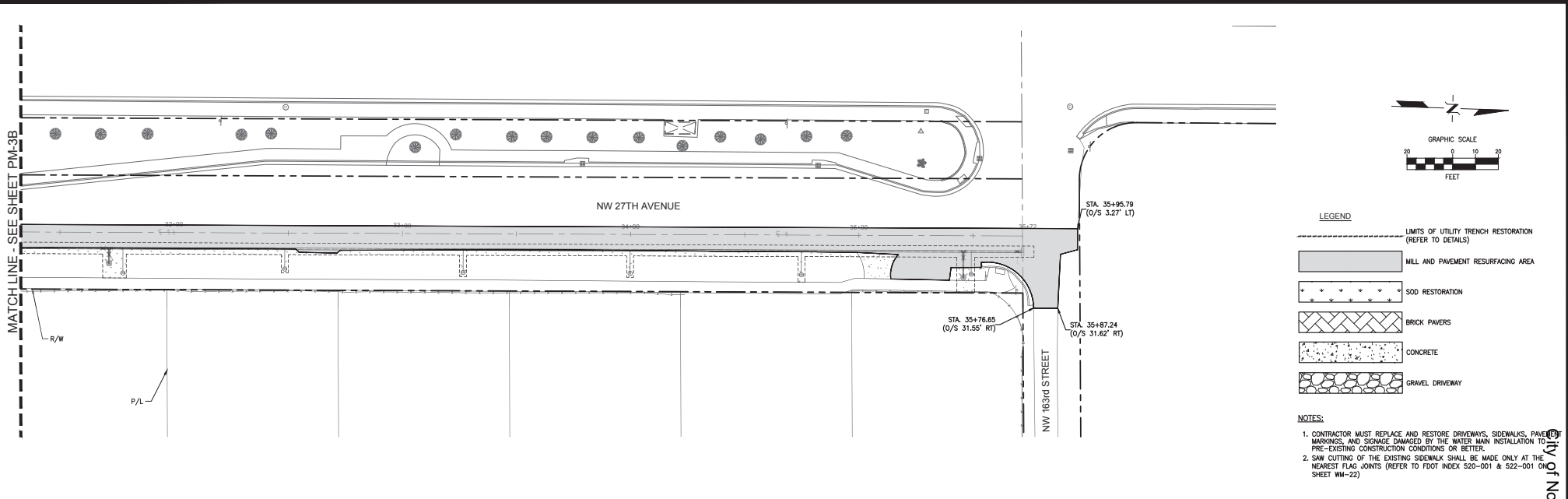
BUNCHE PARK WATER MAIN REPLACEMENTS

SHEET TITLE
PAVEMENT RESTORATION PLAN

DATE: 1/18/2024
 DRAWING NO.: PM-9

Bid Spec

5/28/2024 11:08 AM



REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

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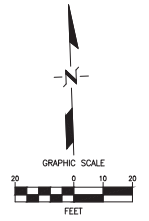
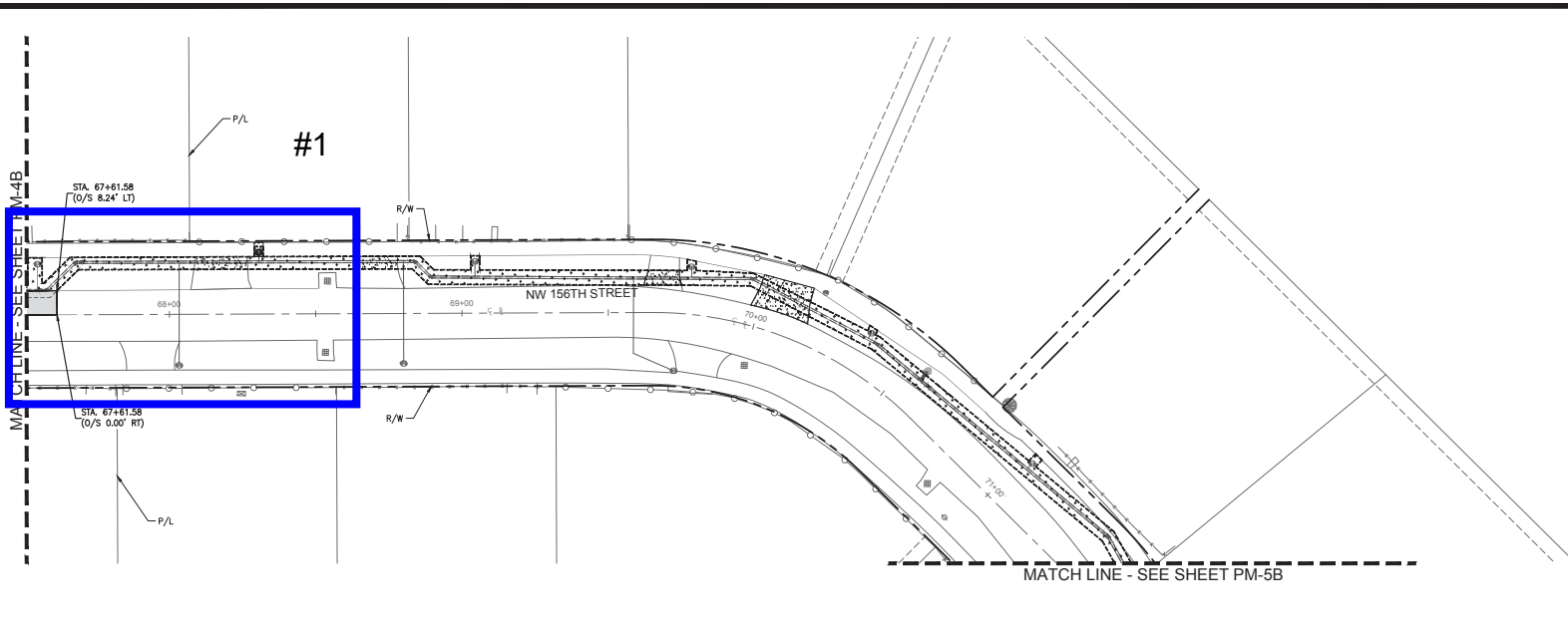


BUNCHE PARK WATER MAIN REPLACEMENTS

SHEET TITLE
 PAVEMENT RESTORATION PLAN

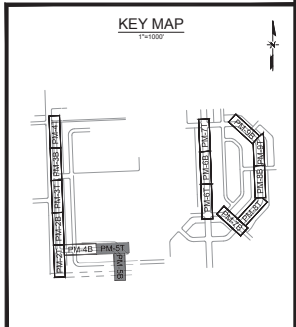
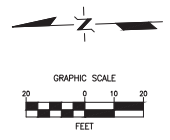
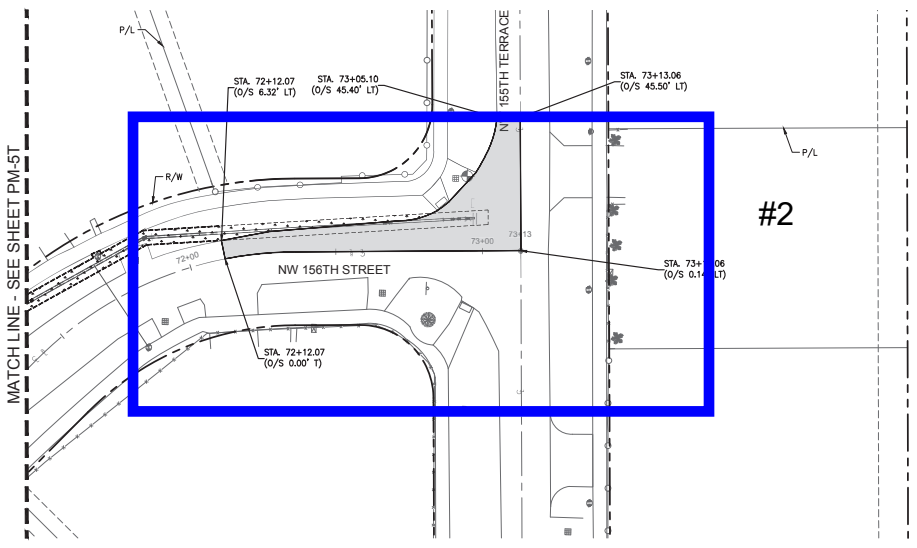


DATE: 1/18/2024
 DRAWING NO.: PM-24-016-SG



- LEGEND**
- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
 - MILL AND PAVEMENT RESURFACING AREA
 - SOD RESTORATION
 - BRICK PAVERS
 - CONCRETE
 - GRAVEL DRIVEWAY

- NOTES:**
1. CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
 2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS (REFER TO FDOT INDEX 522-001 & 522-001 ON SHEET WM-22)



REVISIONS		
NO.	DATE	DESCRIPTION

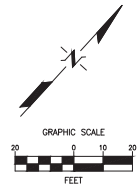
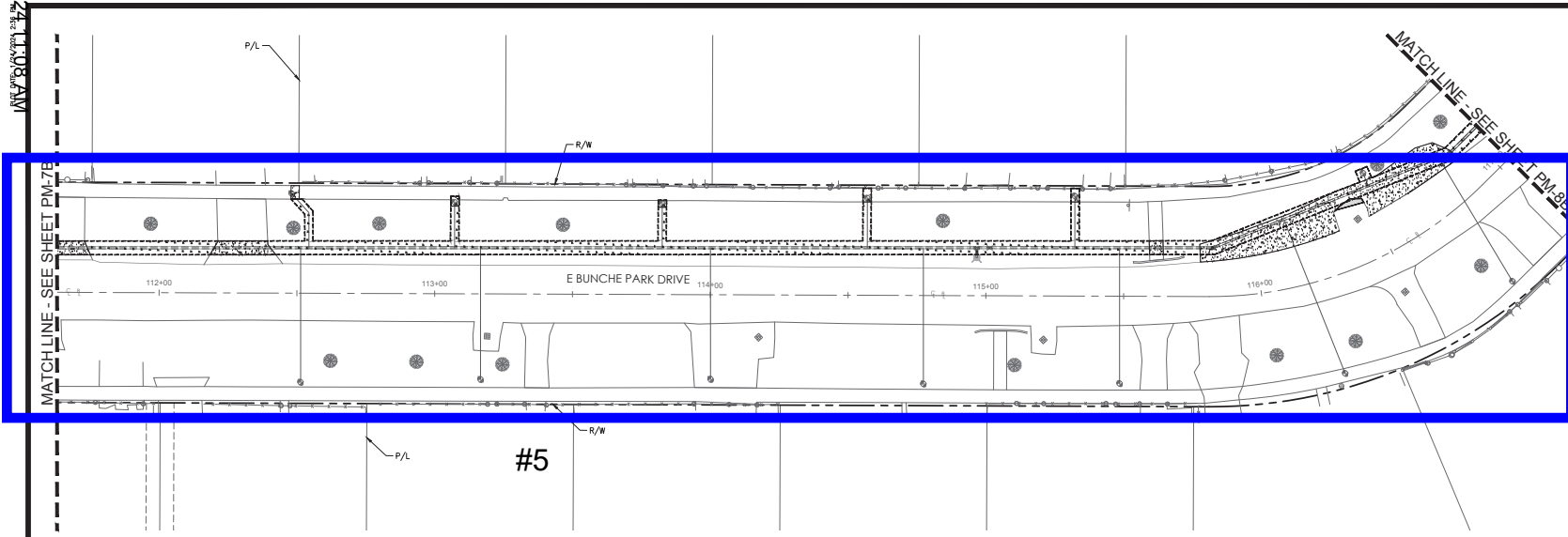
DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

6401 SW 87th Ave, Ste. 200
 Miami, Florida 33173
 Tel: 305.670.2350 Fax: 305.670.2351
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BUNCHE PARK WATER MAIN REPLACEMENTS

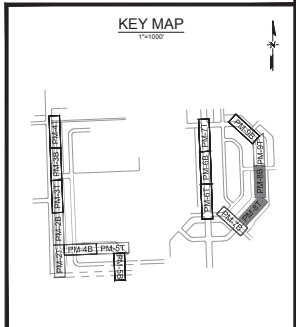
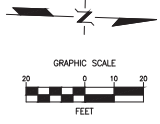
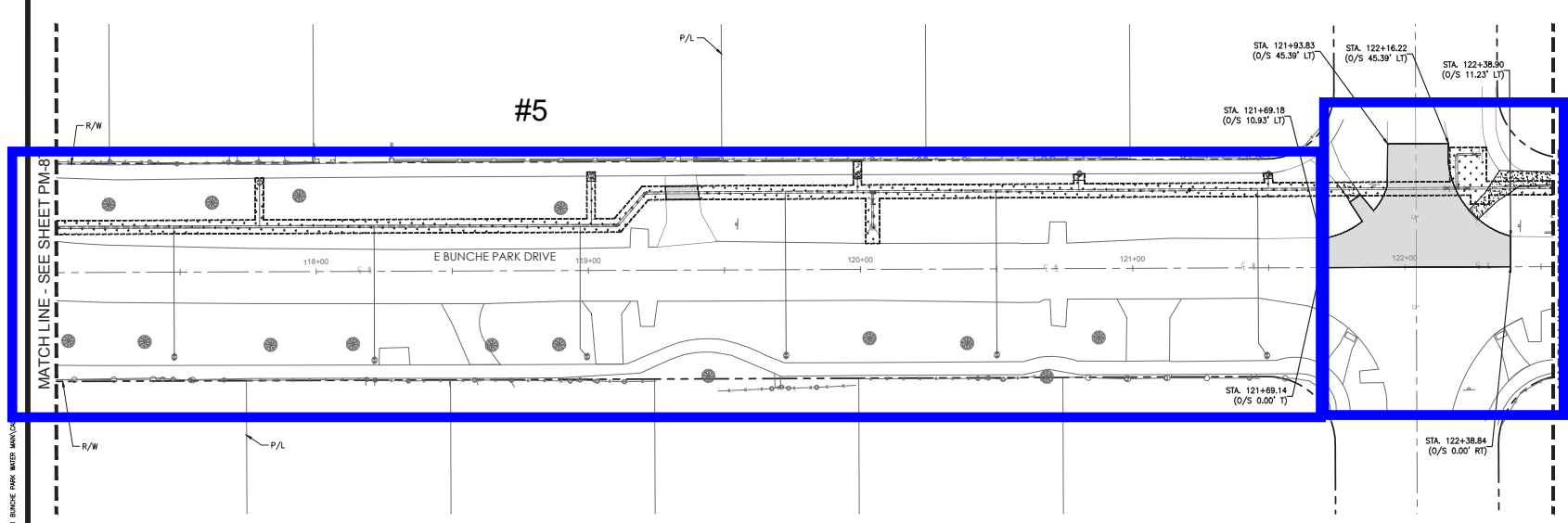
SHEET TITLE
 PAVEMENT RESTORATION PLAN

DATE: 1/18/2024
 DRAWING NO.: PM-241016-SG



- LEGEND**
- LIMITS OF UTILITY TRENCH RESTORATION (REFER TO DETAILS)
 - ▨ MILL AND PAVEMENT RESURFACING AREA
 - ▤ SOD RESTORATION
 - ▩ BRICK PAVERS
 - ▧ CONCRETE
 - GRAVEL DRIVEWAY

- NOTES:**
1. CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
 2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS (REFER TO FOOT INDEX 520-001 & 522-001 ON SHEET WM-22)



REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

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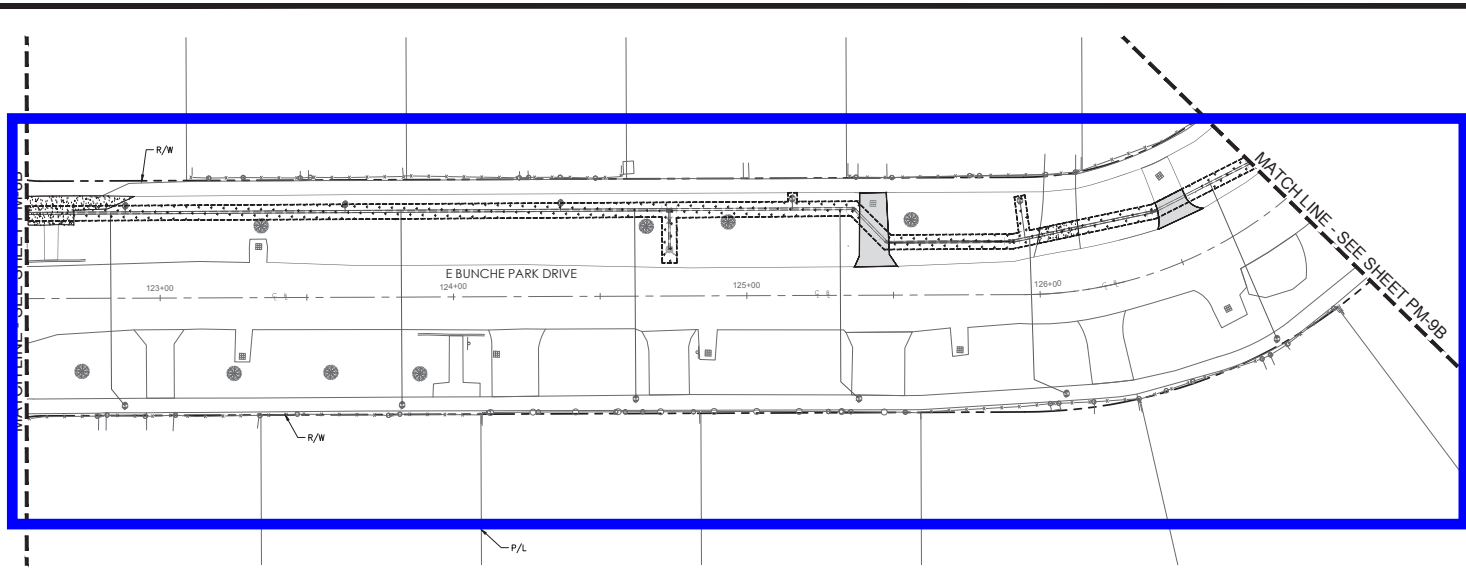
NMBwater
 North Miami Beach, FL
 Award Winning

BUNCHE PARK WATER MAIN REPLACEMENTS

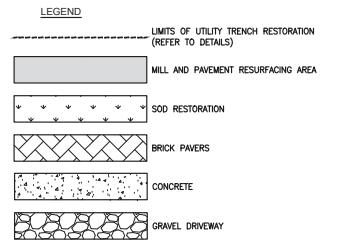
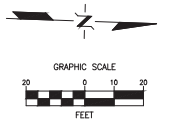
SHEET TITLE
 PAVEMENT RESTORATION PLAN

SEAL
 LICENSE
 No. 86416
 STATE OF FLORIDA

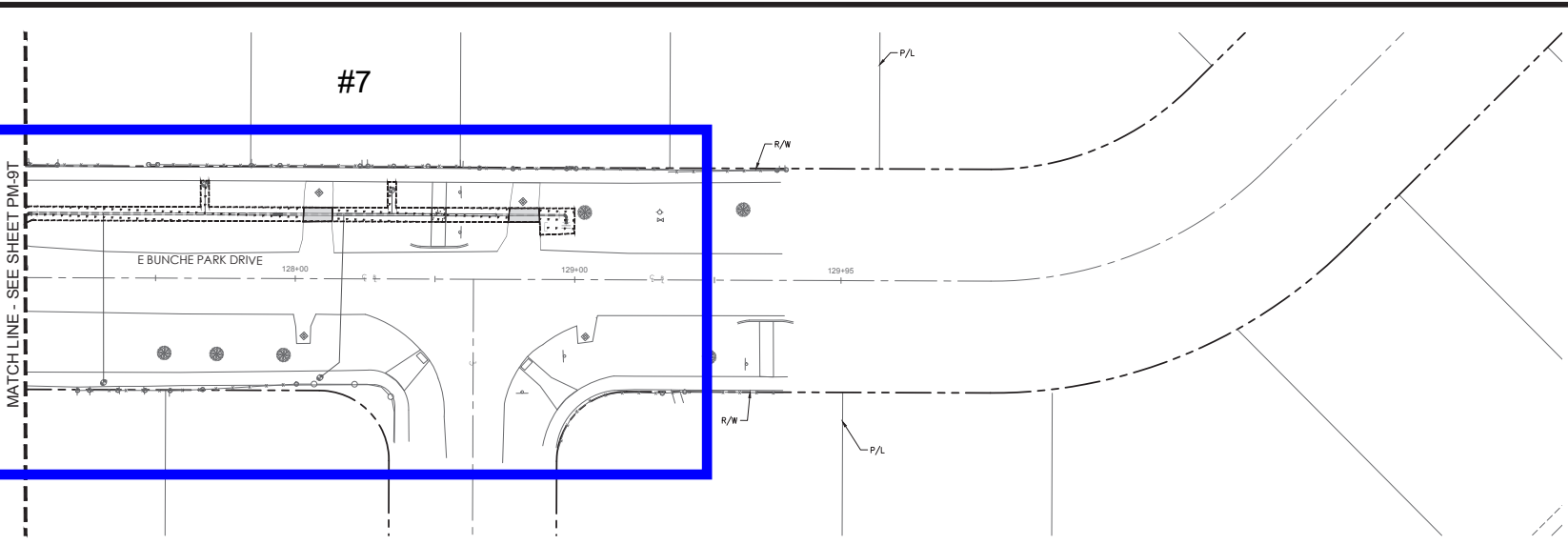
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 DRAWING NO.: PM-241016-SG



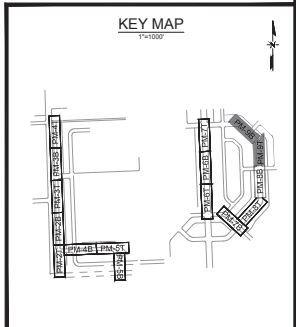
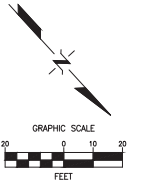
#7



- NOTES:**
- CONTRACTOR MUST REPLACE AND RESTORE DRIVEWAYS, SIDEWALKS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED BY THE WATER MAIN INSTALLATION TO PRE-EXISTING CONSTRUCTION CONDITIONS OR BETTER.
 - SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS (REFER TO FOOT INDEX 522-001 & 522-001 ON SHEET WM-22)



#7



REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: L.O.
 DRAWN BY: G.A.M.
 CHECKED BY: R.L.
 SCALE: 1"=20'

bcc engineering

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 Miami, Florida 33173
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NMBwater
 North Miami Beach, FL
 Award Winning

BUNCHE PARK WATER MAIN REPLACEMENTS

SHEET TITLE
 PAVEMENT RESTORATION PLAN

SEAL
 LICENSE
 No. 86416
 STATE OF FLORIDA

DATE: 1/18/2024
 DRAWING NO.: PM-24-016-SG



AW 03 - Additional Density Testing

SUI Labor & Equipment
Materials
Subcontract
Additional Items

\$ -
\$ -
\$ -
\$ 15,000.00

Crew Additional Work, Cost Presentation \$15,000.00

Total **\$15,000.00**

Density Calculations							
Length (Ft) 7499	Trench Pipe Backfill Test (38"-26" Depth)	Sub Base Test (26"-14" Depth)	Limerock #1 Test (14"-8" Depth)	Limerock #2 (8"-2" Depth)	Total Tests	\$ Per test (\$75 per test)	Total \$
300' Intervals	25	25	25	25	100	\$7,500.00	\$7,500.00
100' Intervals	75	75	75	75	300	\$22,500.00	\$22,500.00

Cost Difference	\$15,000.00
------------------------	--------------------



AW 04 - Overtime requests

SUI Labor & Equipment
Materials
Subcontract
Additional Items

\$ -
\$ -
\$ -
\$ 10,938.00

Crew Additional Work, Cost Presentation \$10,938.00

Total **\$10,938.00**

Overtime Calculations

Overtime Requests	Price per Request	Total Cost
30	\$364.60	\$10,938.00

**INVOICE (INV-00056666)
FOR MIAMI GARDENS**

BILLING CONTACT

Claudia Perez
BCC Engineering
6401 SW 87 Ave
Miami, FL 33173

Roberto Lamazares
BCC Engineering LLC
6401 SW 87th Ave, Suite 200
Miami, FL 33173



Andrea Suárez Abastida
City of North Miami Beach

INVOICE NUMBER	INVOICE DATE	INVOICE DUE DATE	INVOICE STATUS	INVOICE DESCRIPTION
INV-00056666	02/06/2025	03/08/2025	Due	NONE

REFERENCE NUMBER	FEE NAME	TOTAL
ENGR-2023-001252	Overtime Inspection	\$364.60
15950 Nw 27Th Ave Miami Gardens, FL 33054		SUBTOTAL \$364.60

REMITTANCE INFORMATION
City of Miami Gardens 18605 NW 27th Avenue Miami Gardens, FL 33056

TOTAL **\$364.60**



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mygovpay.com

See order for more details

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noreply@mygovpay.com
to me

12:31PM (0 minutes ago)



City of Miami Gardens, Fl

Payment Confirmation

Payment Date	Thursday, February 6, 2025			
Order Number	26784			
Line Items				
Invoice #	Item Description	Quantity	Unit Price	Total Price
INV-00056666	ENGR-2023-001252	1	\$364.60	\$364.60
Item Total				\$364.60
Order Total				\$364.60

Thank you for your payment,
City of Miami Gardens, Fl

[Reply](#) [Forward](#)

Upgrade





AW 05 - Additional width on the trench restoration

SUI Labor & Equipment
Materials
Subcontract
Additional Items

\$ 48,915.77

Crew Additional Work, Cost Presentation \$48,915.77

Total **\$48,915.77**

Limerock Calculations						
Length (Ft)	Width (Ft) 1.5' each side of trench	Depth (In)	CuFt	Compaction Factor (1.75)	Tons	\$/Ton (\$30)
4261	3	12	12783	22370.25	828.5277778	\$24,855.83

Cost Difference **\$24,855.83**

Asphalt Calculations						
Length (Ft)	Width (Ft)	Depth (In)	CuFt	CY	Tons	\$/Ton (\$95)
4261	6	2	4261	157.8148148	319.575	\$30,359.63
4261	7	2	4971.166667	184.117284	372.8375	\$35,419.56

Cost Difference **\$5,059.94**

Labor/ Equipment Calculations

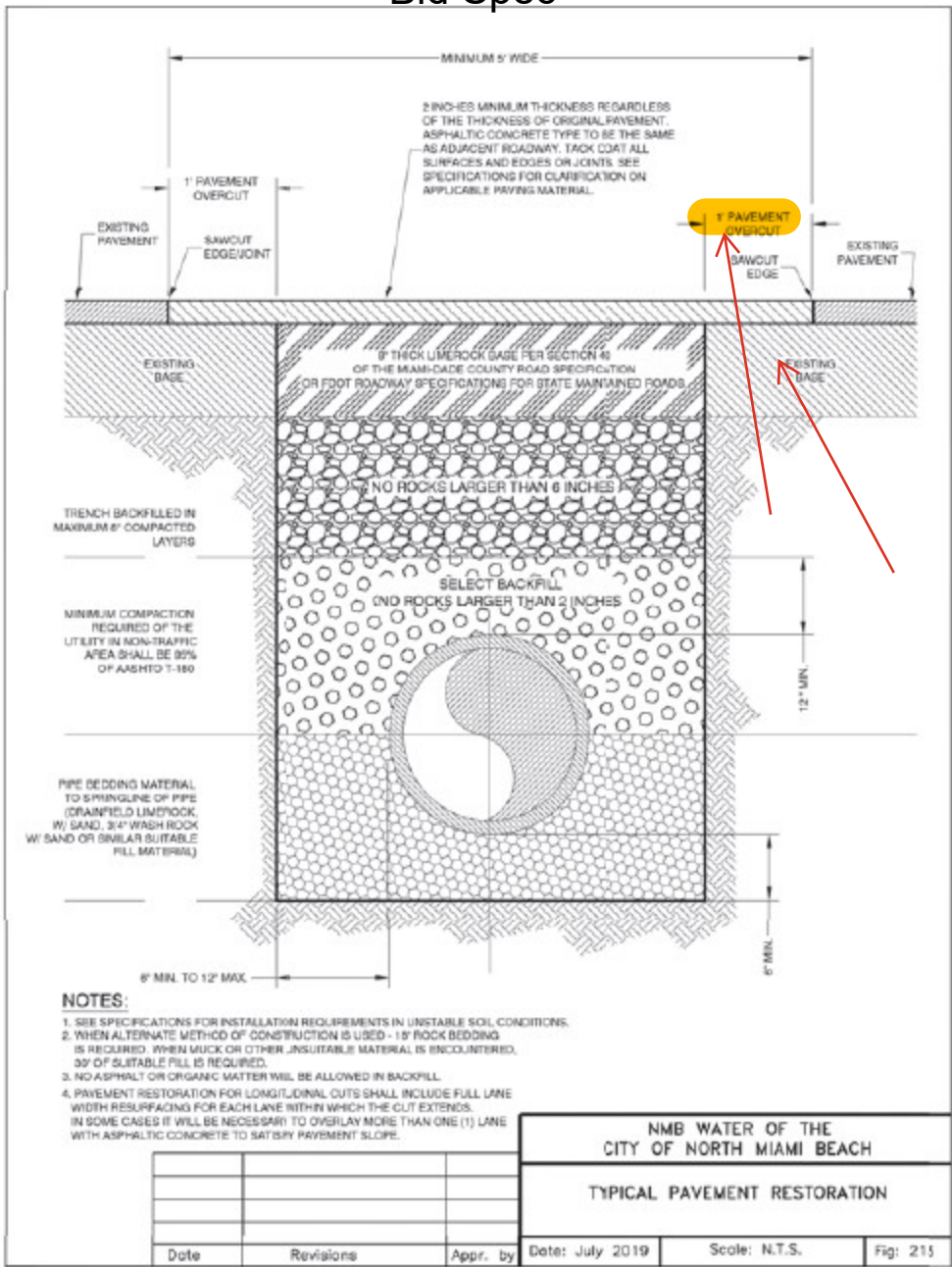
\$3,800/ Day

Width (Ft)	Length (Ft)	Production (Ft/Day)	Days	Cost
6	4261	300	14	\$53,200.00
7	4261	220	19.36818182	\$72,200.00

Cost Difference **\$19,000.00**

Total Cost Difference **\$48,915.77**

Bid Spec



NMB WATER OF THE
CITY OF NORTH MIAMI BEACH

TYPICAL PAVEMENT RESTORATION

Date	Revisions	Appr. by	Date: July 2019	Scale: N.T.S.	Fig: 215
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FULLY

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: L.O.

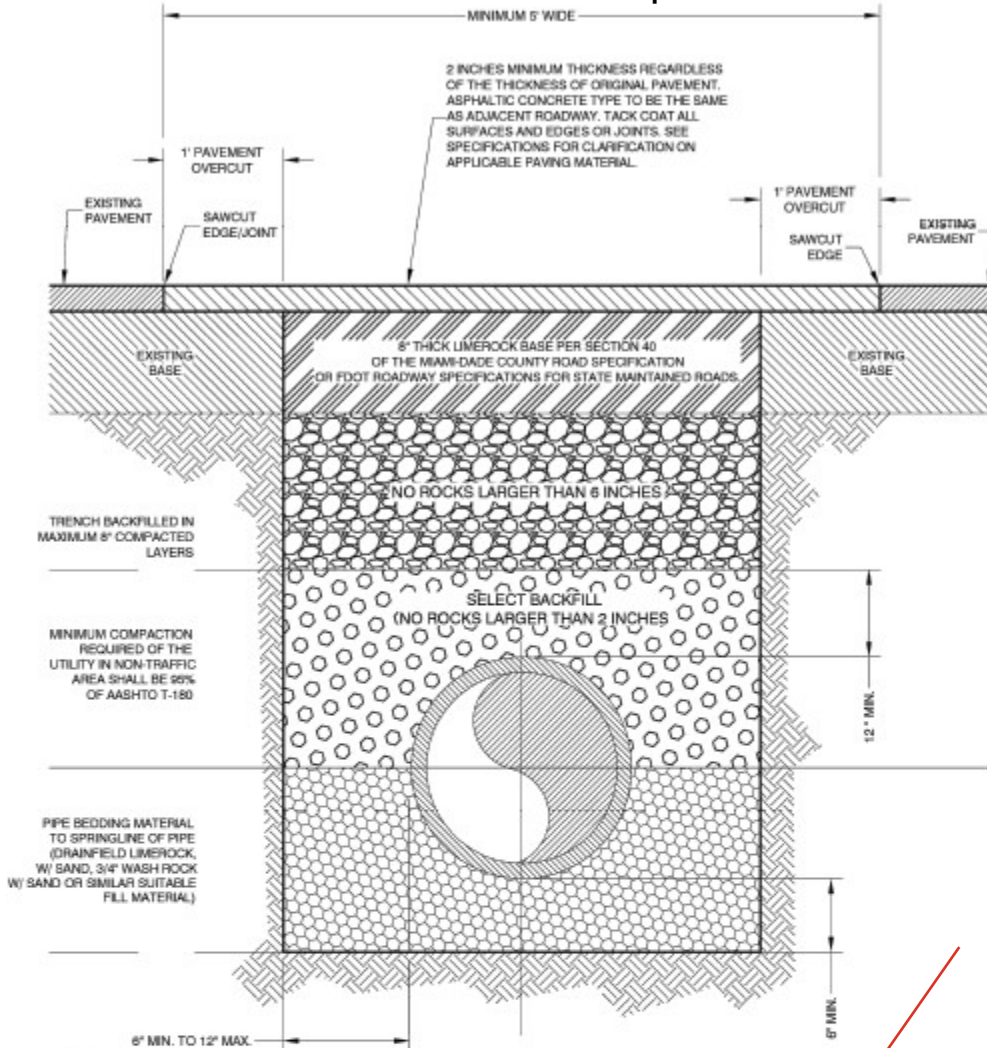
DRAWN BY: G.A.M.

CHECKED BY: R.L.

SCALE: N/A



Miami Gardens Spec



NOTES:

- SEE SPECIFICATIONS FOR INSTALLATION REQUIREMENTS IN UNSTABLE SOIL CONDITIONS.
- WHEN ALTERNATE METHOD OF CONSTRUCTION IS USED - 18" ROCK BEDDING IS REQUIRED. WHEN MUCK OR OTHER UNSUITABLE MATERIAL IS ENCOUNTERED, 30" OF SUITABLE FILL IS REQUIRED.
- NO ASPHALT OR ORGANIC MATTER WILL BE ALLOWED IN BACKFILL.
- PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.

FOR MIAMI GARDENS RIGHT OF WAY, 12" LIMEROCK BASE IN (2) 6" LIFTS (EACH LIFT COMPACTED TO 98% OF MAX. DENSITY) WIDTH OF LIMEROCK BASE TO BE "TRENCH WIDTH PLUS 1.5FEET ON EACH SIDE MATCH EXISTING ASPHALT (1.5' MIN.); DENSITY/COMPACTION TESTS WILL BE REQUIRED FOR BACKFILLING LIFTS, SUBGRADE AND LIMEROCK LIFTS.

NMB WATER OF THE CITY OF NORTH MIAMI BEACH

TYPICAL PAVEMENT RESTORATION

No.	Date	Revisions	Appr. by

Date: July 2019 Scale: N.T.S. Fig: 213

REVISIONS

NO.	DATE	DESCRIPTION

APPROVED ENGINEERING

01/21/2025 12:23:03 PM



DESIGNED BY: _____ L.O.

DRAWN BY: _____ G.A.M.

CHECKED BY: _____ R.L.

SCALE: _____ N/A





AW 06 - Increased bond amount

SUI Labor & Equipment
Materials
Subcontract
Additional Items

\$ 4,698.58

Crew Additional Work, Cost Presentation \$ 4,698.58

Total **\$4,698.58**

Change of Conditions #	Value	Bond (2.5%)
1	\$25,208.80	\$630.22
2	\$87,880.56	\$2,197.01
3	\$15,000.00	\$375.00
4	\$10,938.00	\$273.45
5	\$48,915.77	\$1,222.89
	Total	\$4,698.58