

CITY OF MIAMI  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM

MARK SPANIOLI, P.E., DIRECTOR



GROVE PARK ROADWAY IMPROVEMENTS-D3  
PHASE 2  
PROJECT No. B-40347

**Commission:**

**Mayor**

Tomas P. Regalado

**Chairman / D1 Commissioner**

Wifredo (Willy) Gort

**Vice Chairman / D5 Commissioner**

Keon Hardemon

**D2 Commissioner**

Marc Sarnoff

**D3 Commissioner**

Frank Carollo

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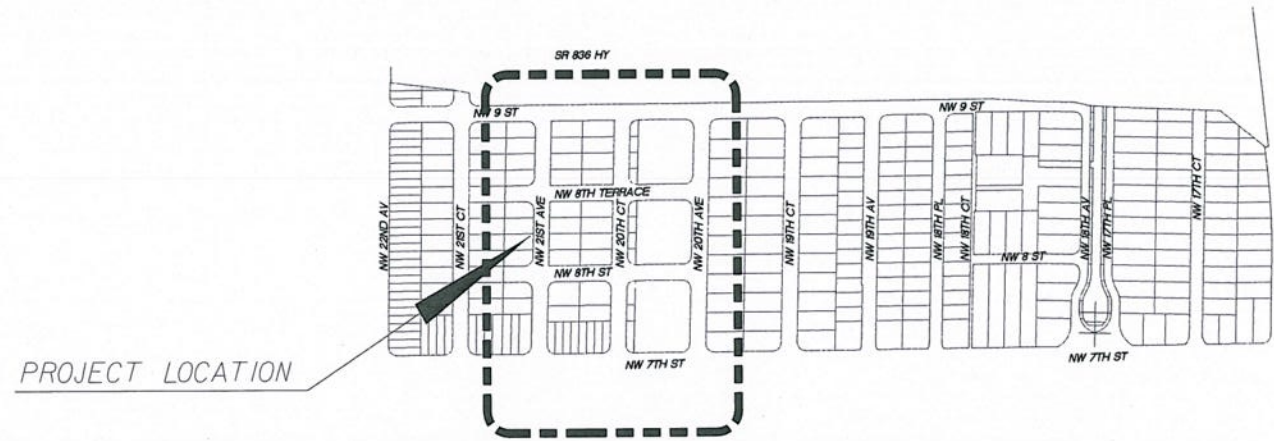
Francis Suarez

**City Manager**

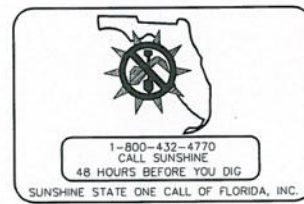
Daniel J. Alfonso

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PROJECT LOCATION



**GOVERNING STANDARDS AND SPECIFICATIONS:**

- FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS.
- CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION DATED DECEMBER 2010.

CITY OF MIAMI PROJECT MANAGER: Juan Ramirez  
CITY OF MIAMI CONSTRUCTION MANAGER: David Adato, P.E.

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

CITY OF MIAMI  
STANTEC

PLANS PREPARED BY:



100% PLANS

MAY 19, 2015

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS  
ENGINEER OF RECORD: SEAN P. COMPTON, P.E.



SHEET  
NO.  
C-0

**GENERAL NOTES:**

1. THE INFORMATION PROVIDED ON THE PLANS IS BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
2. CONTRACTOR WILL SECURE WORK SITE TO PROTECT THE PUBLIC HEALTH AND WELFARE.
3. THE CONTRACTOR WILL SECURE AND PAY FOR ALL PERMITS FOR THE WORK NECESSARY TO COMPLETE THIS PROJECT. CONTRACTOR SHALL COORDINATE EFFORTS WITH THE CITY'S PW DEPARTMENT.
4. ALL WORK WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION, AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DIVISIONS 2 AND 3, LATEST EDITION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICTLY COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATION.
6. CONTRACTOR TO REPAIR ALL DAMAGES INCURRED AS A RESULT OF CONSTRUCTION ACTIVITIES SUCH AS BUT NOT LIMITED TO SIDEWALK, PAVEMENT, LANDSCAPING, FENCING, ETC. NO ADDITIONAL COMPENSATION WILL BE GIVEN.
7. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT FOR CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN CONTRACTORS MAINTENANCE OF TRAFFIC PAY ITEM AND SHALL BE DONE ON A DAILY BASIS.
8. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS. PRIOR TO BEGINNING WORK AT THE SITE, THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH THE ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. COST OF THIS WORK SHALL BE DEEMED INCIDENTAL TO THE TOTAL PROJECT COST.
9. THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A PROPER STAGING AREA APPROVED BY THE CITY. STOCKPILING OF MATERIAL IN ROADWAY IS NOT ALLOWED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SATISFY ALL REQUIREMENTS OF ANY REGULATORY AGENCY PERMITS IN REGARDS TO CONSTRUCTION ACTIVITIES AND RELATED CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
12. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
13. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT.
14. THE CONTRACTOR SHALL VERIFY, PHOTOGRAPH, AND INVENTORY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, PAVEMENT OR OTHER FEATURES. ANY EXISTING STRUCTURE, PAVEMENT, TREE OR OTHER EXISTING FEATURE, WHICH IS IN CONFLICT OR IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THE CONTRACT, SHALL BE RESTORED PROMPTLY TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE CITY OF MIAMI'S CONSTRUCTION MANAGER IMMEDIATELY OF ANY CONFLICT ARISING DURING CONSTRUCTION FOR ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
16. THE CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
17. ALL EXISTING MANHOLE TOPS, CATCH BASIN GRATES, VALVE BOX TOPS, AND WATER METER TOPS WITHIN THE PROJECT AREA SHALL BE ADJUSTED TO MATCH FINISHED GRADE BY CITY CONTRACTOR. PLANS MAY NOT SHOW ALL LOCATIONS NECESSARY FOR ADJUSTMENTS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL NECESSARY UTILITY TOPS TO BE ADJUSTED.
18. CONTRACTOR TO RESTORE ALL SODDED AREAS OF THE PROJECT WHICH ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES.
19. ALL PROPOSED WORK SHALL BE PERFORMED WITHIN THE LIMITS OF THE EXISTING STATE/LOCAL RIGHT-OF-WAY.
20. THE CONTRACTOR SHALL ASSIST THE CITY WITH THE HANDLING OF PUBLIC INFORMATION MATERIALS, INCLUDING CITIZEN NOTIFICATION LETTERS AND PROJECT CONSTRUCTION SIGNS, PRIOR TO THE START OF EACH SIGNIFICANT PHASE OF CONSTRUCTION. COST OF THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC BID ITEM.

**ENVIRONMENTAL NOTES:**

21. DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.
22. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF EXISTING TREES.
23. PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S RIGHT-OF-WAY.
24. A ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE SHALL BE PRESENT ON SITE TO DIRECT ALL ROOT PRUNING AND/OR CANOPY TRIMMING ACTIVITIES.
25. TREE PROTECTION SHOULD BE INSTALLED AROUND TREES TO REMAIN LOCATED ADJACENT TO CONSTRUCTION ACTIVITIES.
26. THE CONTRACTOR SHALL NOT REMOVE, RELOCATE OR PRUNE ANY TREES WITHOUT PRIOR APPROVAL FROM THE CITY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT PRIOR TO ANY TREE REMOVAL/RELOCATION.

**DRAINAGE NOTES:**

27. CONTRACTOR SHALL KEEP NEW AND EXISTING INLETS CLEAN OF MILLING MATERIALS AND DEBRIS. INLETS LOCATED NEAR CONSTRUCTION ACTIVITIES SHOULD BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
28. THERE SHALL BE NO MORE THAN THREE LATERAL DRAINAGE INSTALLATION WITHOUT BACKFILLING. OF LATERAL DRAINAGE SHALL NOT LAG MORE THAN 72 HOURS BEHIND THE START OF EXCAVATION.
29. ELEVATION AND OFFSETS FOR CURBS INLETS ARE GIVEN AT THE EDGE OF PAVEMENT.

**PRE-CONSTRUCTION RESPONSIBILITIES:**

1. PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION AND THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE C.I.P. CONSTRUCTION MANAGER AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ANY CONCERNS OR COORDINATION EFFORTS AND REQUIREMENTS WITH THE PARTIES INVOLVED.
2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CONTACT 811, WWW.CALLSUNSHINE.COM

**PROJECT RECORD DOCUMENTS:**

1. DURING THE DAILY PROGRESS OF THE JOB THE CONTRACTOR SHALL RECORD THE EXACT LOCATION, LENGTH, AND ELEVATION OF ALL PROPOSED IMPROVEMENTS ON HIS SET OF CONSTRUCTION DRAWINGS.
2. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER TWO COMPLETE SETS OF ALL "AS BUILT" CONSTRUCTION DRAWINGS. THE DRAWINGS SHALL INCLUDE CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE IN ACCORDANCE WITH THE "SURVEY WORK" SECTION OF THE "SPECIFICATIONS AND CONTRACT DOCUMENTS" FOR THIS PROJECT.
3. ALL "AS-BUILT" INFORMATION AND ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR AND ALL FINAL MEASUREMENTS ARE TO BE IN THE FORM OF FIELD NOTES, PLANS AND CD (PDF FORMAT).
4. AS-BUILTS SHALL UTILIZE THE CITY OF MIAMI VERTICAL DATUM.

**UTILITIES:**

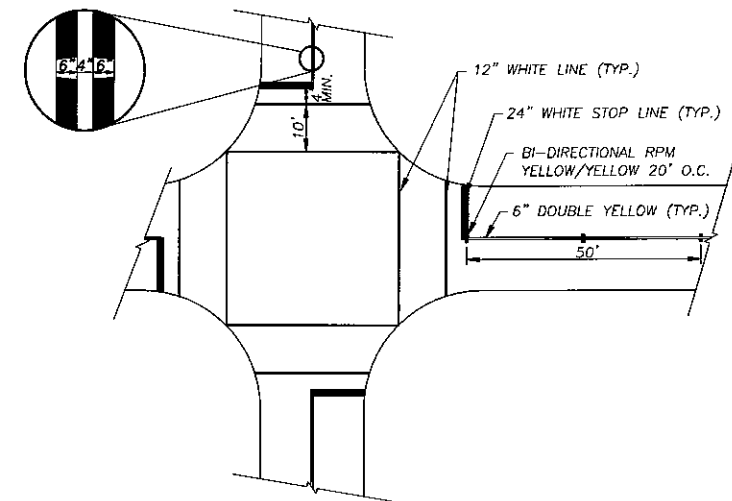
1. TWO FULL BUSINESS DAYS PRIOR TO DIGGING, THE CONTRACTOR SHALL CONTACT 811, WWW.CALLSUNSHINE.COM TO REQUEST UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES.
2. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO (VERTICALLY AND HORIZONTALLY) PROTECT AND ALL EXISTING UTILITIES ON THIS PROJECT. ANY DAMAGE TO UTILITIES SHALL BE IMMEDIATELY REPORTED TO THE UTILITY OWNER. THE OWNER RESERVES THE RIGHT TO REMEDY SUCH DAMAGE BY ORDERING OUTSIDE PARTIES TO MAKE SUCH REPAIRS AT THE EXPENSE TO THE CONTRACTOR.
4. 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 LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
5. UTILITY OWNERS (LIST ALL UTILITY OWNERS IDENTIFIED WITHIN THE PROJECT LIMITS IN THE FORMAT SHOWN BELOW USING THE LATEST CONTACT INFORMATION FOUND IN THE DOCUMENT UTILITY CONTACT LIST.PDF UNDER THE UTILITIES FOLDER IN THE D6 ERC DOCUMENT LIBRARY):

SUNSHINE DESIGN TICKET NUMBER: 245403109

AT&T	STEVE MASSIE	(305) 222-8745
COMCAST	LEONARD MAXWELL	(954) 447-8405
MIAMI-DADE PUBLIC WORKS	OCTAVIO VIDAL	(305) 412-0891
FPL FIBERNET	DANNY HASKETT	(305) 552-2931
FPL TRANSMISSION	GEORGE BECK	(800) 868-9554
FPL DISTRIBUTION	TRACY STERN	(786) 268-5320
MD-WASD	PATRICK CHONG	(954) 453-0824
TECO PEOPLE GAS	YVONNE GOLDMAN	(305) 275-7813
MIAMI-DADE ENTERPRISE TECHNOLOGY	CARLOS PERUZ	

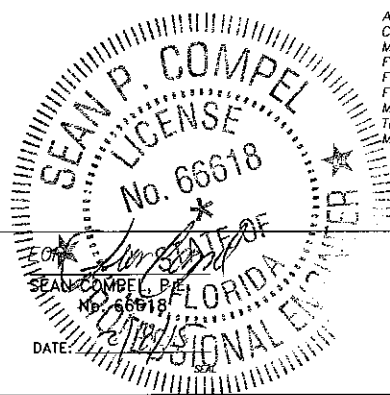
**SIGNING & PAVEMENT MARKING :**

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS. FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY AND ADMINISTRATION STANDARD HIGHWAY SIGNS.
2. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.
3. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMP, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE CONSTRUCTION MANAGER. EXTREME LOCATION CHANGES MUST BE APPROVED BY THE CITY'S PROJECT MANAGER/ENGINEER OF RECORD.
4. INCORRECTLY PLACED (THERMOPLASTIC OR) PAINT MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND REPLACING THE FRICTION COURSE A MINIMUM WIDTH OF 18 IN AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.
5. WHEN NECESSARY CONTRACTOR SHALL RELOCATE ALL EXISTING POST-MOUNTED STREET NAME AND STOP SIGNS TO A VISIBLE AREA UNDISTURBED BY THE CONSTRUCTION SO AS TO MINIMIZE DAMAGE TO THE SIGNS DURING CONSTRUCTION. THE STREET NAME SHALL BE REATTACHED TO THE TOP OF THE NEW STOP SIGNS ON MINOR SIDE STREETS AT THE END OF CONSTRUCTION. THE NEW STOP SIGN POST SHALL HAVE ADEQUATE LENGTH TO ACCOMMODATE THE EXISTING STREET NAMES AT THE TOP.
6. EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND ROADWAY DESIGN AND TRAFFIC STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEMS.
7. THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY LOST OR DAMAGED DURING CONSTRUCTION SIGNS SHALL BE REPLACED AT NO ADDITIONAL COST. COST OF MAINTAINING THE EXISTING SIGNS TO BE INCLUDED MAINTENANCE OF TRAFFIC PAY ITEM.
8. STOP BARS SHALL BE PLACED AT LEAST 5 FEET FROM CROSSWALKS IF TRAFFIC SIGNAL LOOPS ARE INSTALLED.



**STOP BARS, CROSS-WALKS AND DOUBLE CENTER LINE DETAILS**

N.T.S.



**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND  
TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



GENERAL NOTES

SHEET NO.

G-01

REVISIONS		
DATE	BY	DESCRIPTION

**TRAFFIC CONTROL PLANS:**

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
2. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE. DETOUR OR MOT PHASE CHANGE SHALL BE SUBMITTED WITH THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA TO PUBLIC WORKS DEPT.
3. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
4. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
5. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE: 9:00 AM TO 3:30 PM WEEKDAYS AND SATURDAYS. EXCEPTIONS MAY BE GRANTED UPON WRITTEN REQUEST TO THE CITY.
6. TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.
7. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
9. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 FT TO 4 FT SKIP LINES WILL BE PLACED.
10. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER. COST OF TEMPORARY STRIPPING SHALL BE INCLUDED IN MOT PAY ITEM.
11. EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
12. FOR DROP OFFS, THE CONTRACTOR'S SHALL FOLLOW TO FDOT STANDARD INDEX NO. 600, SHEET 10 OF 13. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.
13. CONTRACTOR SHALL PREPARE AND SUBMIT AN ACCEPTABLE MOT PLAN FOR THE PROJECT. THE MOT PLAN SHALL BE SUBMITTED TO THE CITY OF MIAMI'S PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL.
14. LANE CLOSURES SHALL NOT BE PERMITTED DURING SCHOOL SPEED ZONE HOURS WHERE SUCH CLOSURES WILL AFFECT TRAFFIC FLOW IN THE VICINITY OF THE SCHOOL SPEED ZONES.

**WORK ZONE LIMITS:**

15. THE LENGTH OF AN OPEN TRENCH SHALL NOT EXCEED 500 FT. PROPERTY ACCESS SHALL BE MAINTAINED IN ACCORDANCE TO ARTICLE 102- 5.5 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
16. NO MORE THAN TWO BLOCKS OF STREET SHALL BE UNDER CONSTRUCTION AT A TIME AND ALL WORK AND RESTORATION SHALL BE COMPLETED ON ONE OF SUCH BLOCKS BEFORE WORK MAY BEGIN IN A NEW BLOCK. FINAL RESURFACING SHALL BE PLACED WITHIN 48 HOURS OF THE MILLING OPERATION.

**INTERSECTIONS:**

17. ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE ENGINEER.
18. INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL COMPLETE AND UNTIL THE STRUCTURAL COURSE IS PLACED.
19. M.O.T. TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING A 1:20 TYPE SP ASPHALT CONCRETE SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. ALL MATERIAL AND WORK, INCLUDING ITS REMOVAL, SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.

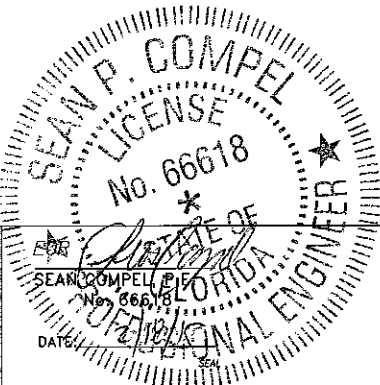
**SIGNALS:**

20. CONTRACTOR SHALL NOTIFY MIAMI-DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36TH STREET, MIAMI, FLORIDA 33166 AND PHONE NO. (305) 592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING OR TEMPORARY TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS. COST OF RELOCATING TRAFFIC SIGNAL HEADS, PROVIDING AND REMOVING TEMPORARY POLES, SIGNAL HEADS, LOOPS ETC., AND MAINTAINING THE EXISTING OR TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
21. THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OF PHONE LINE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.

**PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:**

22. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
23. CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.
24. MAINTAIN PEDESTRIAN ACCESS TO BUS STOP LOCATIONS IN PROJECT AREA. IF BUS STOP MUST BE RELOCATED, PLEASE CONTACT MRS. JUDY EMERSON MDTA AT (786) 469-5073, AND NATALIA ONIKIENKO PUBLIC WORKS AT (305) 416-1287.

REVISIONS		
DATE	BY	DESCRIPTION

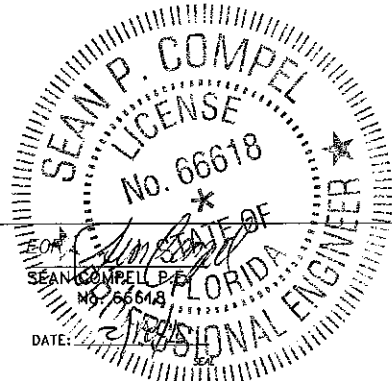
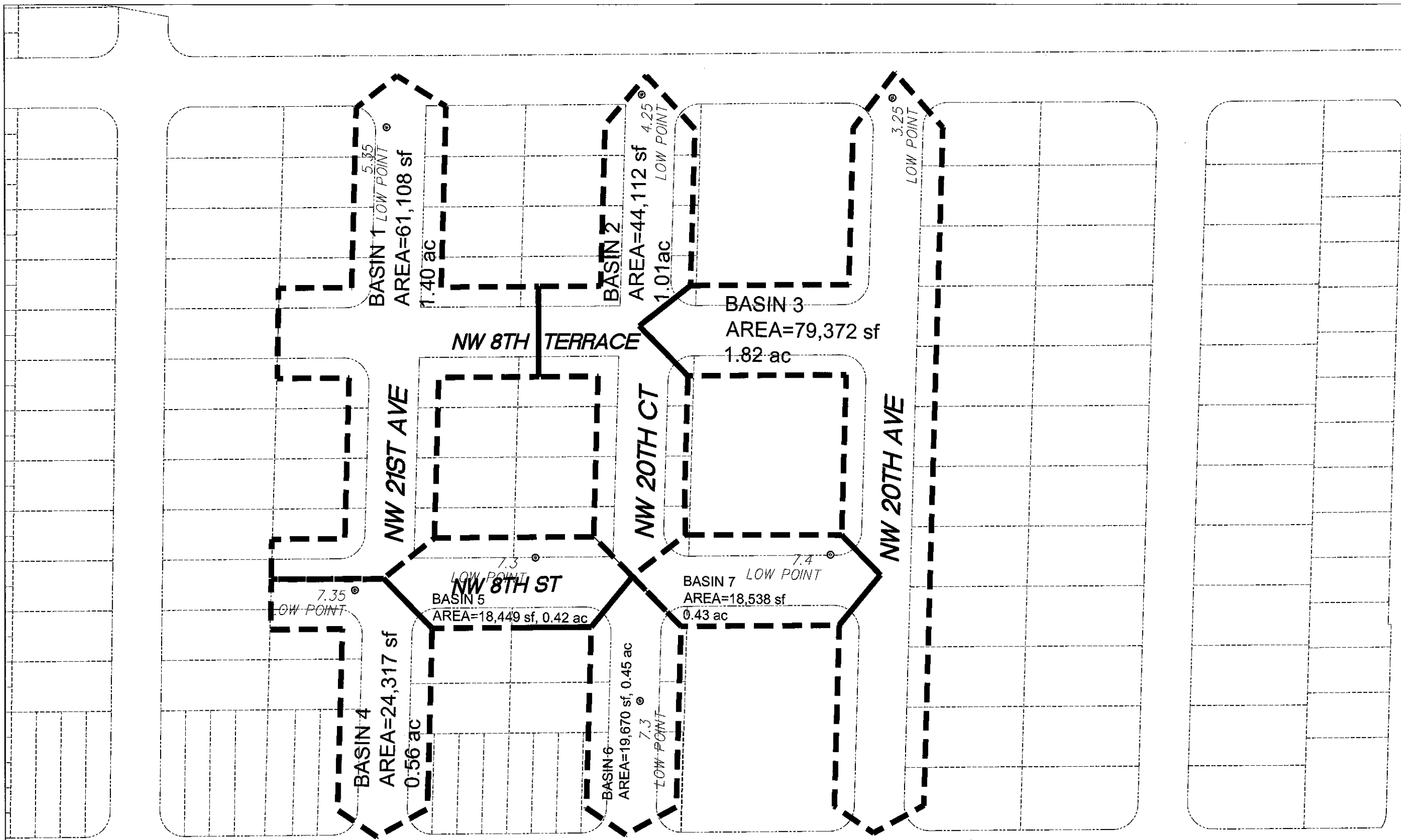


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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



GENERAL NOTES	SHEET NO. <b>G-02</b>
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REVISIONS		
DATE	BY	DESCRIPTION



CITY OF MIAMI  
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 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
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Grove Park Roadway Improvements Phase 2	B-40347

901 Ponce de Leon Blvd, Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

BASIN PLAN

SHEET NO.  
**G-03**



SEAN P. COMPTON  
 LICENSED PROFESSIONAL ENGINEER  
 No. 66678  
 DATE: 2/16/15  
 SEAL

REVISIONS	
DATE	DESCRIPTION

EOR  
 SEAN COMPTON  
 No. 66678  
 DATE: 2/16/15  
 SEAL



CITY OF MIAMI  
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Grove Park Roadway Improvements Phase 2	B-40347



KEY PLAN

SHEET NO.  
 G-04



- NOTES:**
1. ALL PROPOSED CONCRETE SHALL BE 4" THICK EXCEPT AT DRIVEWAYS.
  2. ALL PROPOSED CONCRETE DRIVEWAYS SHALL BE 6" THICK.
  3. ALL PROPOSED CURB SHALL BE FOOT TYPE "F" CURB EXCEPT AT DRIVEWAYS.



REVISIONS		
DATE	BY	DESCRIPTION

SEAN COMPEL, P.E.  
No. 66618  
DATE: 2/16/15

**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

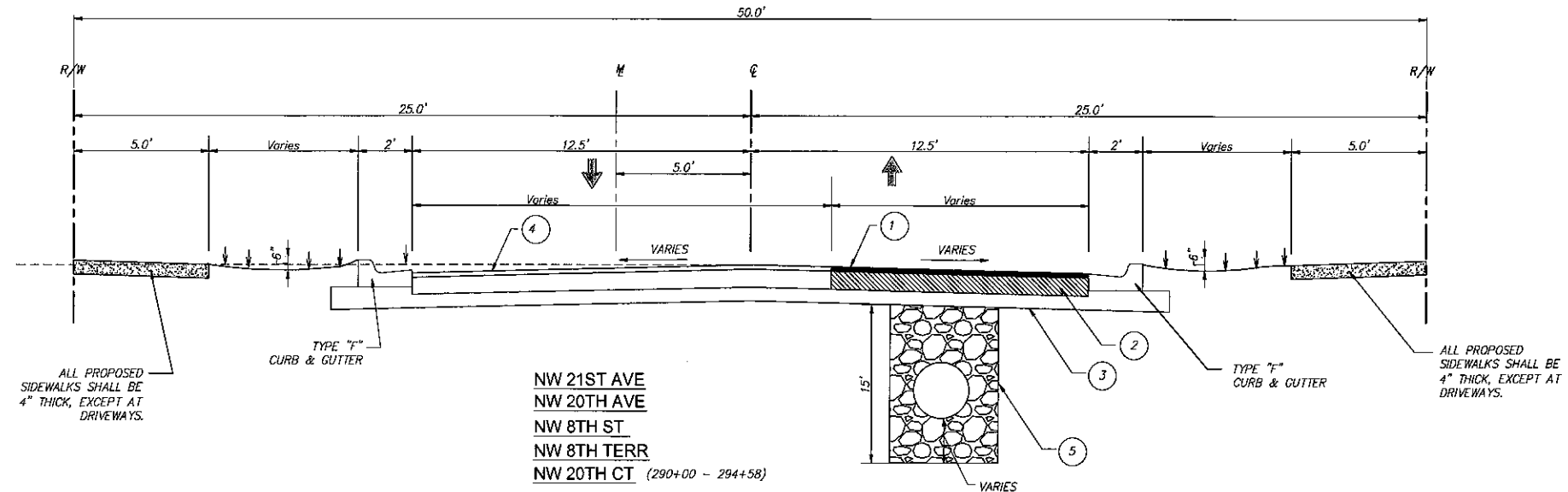
**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347



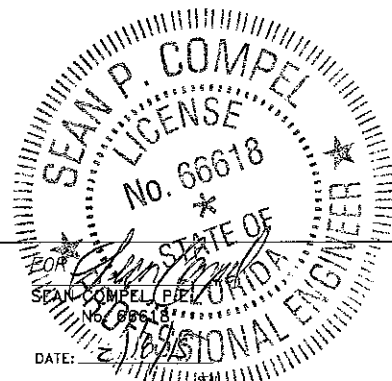
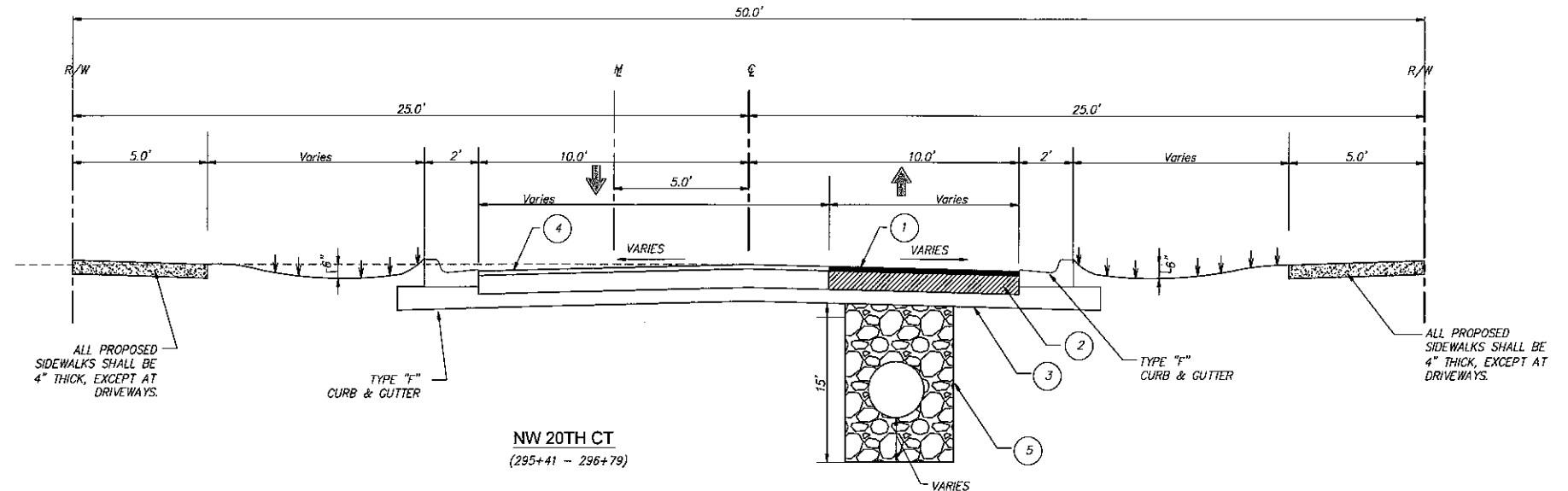
GEOMETRY PLAN

SHEET NO.  
**G-06**

- 1 ASPHALTIC CONCRETE SURFACE, 1" TYPE S-III AS PER CITY OF MIAMI STANDARDS (SEE SHEET C-29)
- 2 8" LIMEROCK BASE
- 3 6" SUBGRADE
- 4 MILLING AND RESURFACING
- 5 FRENCH DRAIN AS PER CITY OF MIAMI STANDARDS (SEE SHEET C-29)



- 1 ASPHALTIC CONCRETE SURFACE, 1" TYPE S-III AS PER CITY OF MIAMI STANDARDS (SEE SHEET C-29)
- 2 8" LIMEROCK BASE
- 3 6" SUBGRADE
- 4 MILLING AND RESURFACING
- 5 FRENCH DRAIN AS PER CITY OF MIAMI STANDARDS (SEE SHEET C-29)



REVISIONS		
DATE	BY	DESCRIPTION

DATE: 12/18/18

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**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
 PROJECT No.: **B-40347**



TYPICAL SECTIONS

SHEET NO.  
**G-05**

PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
102-1	MAINTENANCE OF TRAFFIC	L.S.	1
104-11	FLOATING SILT BARRIER (INCLUDES RELOCATION AND REMOVAL)	L.F.	50
110-1-1	CLEARING AND GRUBBING	L.S.	1
160-4	TYPE "B" STABILIZATION (6")	S.Y.	3,800
210-1-8	LIMEROCK - NEW MATERIAL FOR REWORKING BASE	S.Y.	3,800
327-70-1	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)	S.Y.	5,850
334-1-11	TYPE S-3 ASPHALTIC CONCRETE (2")	T.N.	1,100
527-2	CURB RAMP DETECTABLE WARNING SURFACE	S.F.	160
425-1541	CATCH BASIN TYPE "D" (ANY DIMENSION)	EACH	34
425-3-92	MANHOLE BOX TYPE (6'x6' INSIDE) (35-86-12)	EACH	20
425-3-92	MANHOLE TYPE A (ANY DIMENSION, MAXIMUM DEPTH 15') (35-86-8)	EACH	8
425-4	ADJUST INLET	EACH	3
425-5-1	ADJUST SEWER MANHOLE	EACH	13
425-6	ADJUST EXISTING VALVES (MIAMI-DADE COUNTY ONLY)	EACH	8
425-11	DRAINAGE STRUCTURE MODIFICATION	L.S.	1
430-613-040	POLLUTION RETARDANT BAFFLE	EACH	31
430-175-115	SOLID PIPE (15") (INCLUDES, BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	L.F.	373
430-175-118	SOLID PIPE (18") (INCLUDES, BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	L.F.	3
430-175-124	SOLID PIPE (24") (INCLUDES, BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	L.F.	371
430-175-130	SOLID PIPE (30") (INCLUDES, BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	L.F.	597
443-70-4	EXFILTRATION DRAIN (24") (INCLUDES, BALLAST ROCK, TRENCH, AND PLASTIC FILTER FABRIC)	L.F.	1,848
520-1-10	CONCRETE CURB AND GUTTER (TYPE "F") INCLUDES COST OF LIMEROCK	L.F.	6,000
522-1	CONCRETE SIDEWALK (4" THICK) (INCLUDING PEDESTRIAN RAMP)	S.Y.	700
522-2	CONCRETE SIDEWALK (6" THICK) (INCLUDES DRIVEWAYS)	S.Y.	1,400
700-1-11	R1-1 (STOP SIGN)	EACH	9
700-1-50	RELOCATE EXISTING SIGNS (SINGLE POST)	EACH	5
711-11-123	THERMOPLASTIC (WHITE) (SOLID) (12")	L.F.	1,400
711-11-125	THERMOPLASTIC (WHITE) (SOLID) (24")	L.F.	250
711-11-211	THERMOPLASTIC (YELLOW) (SOLID) (6")	L.F.	1,500
706-3	REFLECTIVE PAVEMENT MARKERS	EACH	116
1080-11-101	METER BOX REPLACEMENT	EACH	65
570-1-1	TURF	SY	4,000
N/A	TIDFLEX VALVE	EACH	1

\* ADDITIONAL QUANTITIES ARE CONTINGENT, TO BE USED AS DIRECTED BY THE ENGINEER AND HAVE BEEN INCLUDED IN THE TOTAL QUANTITY AMOUNT SHOWN ON THE SUMMARY OF PAY ITEMS.

**PAY ITEM NOTES**

- 102-1 TO BE ACCOMPLISHED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 600 SERIES, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION (ANSI D6 1-1978), PUBLIC WORKS MANUAL OF METROPOLITAN DADE COUNTY, AND THE LATEST REVISIONS OF THE AFORE MENTIONED MANUALS. INCLUDES THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS INCLUDING BUT NOT LIMITED TO SIGNS, BARRICADES, FLASHING LIGHTS, TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS, TRAFFIC SIGNAL MODIFICATION FOR TRAFFIC CONTROL, ETC.
- 104-11 ESTIMATED QUANTITY FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WASTE POLLUTION. THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AND MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.
- 110-1-1 INCLUDES REMOVAL OF EXISTING PAVEMENT, CONCRETE SIDEWALK, DRIVEWAYS, CURB AND GUTTER, DRAINAGE STRUCTURES AND PIPES, MISCELLANEOUS CONCRETE, VEGETATION, TREES AND DEBRIS TO BE DISPOSED OF IN LEGAL AREAS PROVIDED BY THE CONTRACTOR. INCLUDES THE COST OF CLEANING-OUT ALL EXISTING DRAINAGE STRUCTURES WHICH ARE TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
- 160-4 THESE ARE ESTIMATED QUANTITIES AND MAY BE INCREASED OR DECREASED BY THE ENGINEER.
- 334-1-11 THE QUANTITY INDICATED FOR LEVELING REPRESENTS AN AVERAGE FOR THE ENTIRE JOB. THE RATE OF APPLICATION OF LEVELING MAYBE INCREASED OR DECREASED AS NECESSARY AT LOCATION DESIGNATED BY THE ENGINEER. (ESTIMATED AT 100 LB./S.Y./IN.)
- 425-5 WITHIN PAVEMENT AREA, VALVE ADJUSTMENTS TO BE DONE AS NECESSARY. THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AND MAY BE INCREASED, DECREASED, OR ELIMINATED BY THE ENGINEER OR MD-WASD)
- 425-6
- 430- FOR PIPE ALTERNATIVES, SEE SPECIAL PROVISIONS AND BID DOCUMENTS.
- 443-70 INCLUDES THE COST OF EXCAVATION TO PLAN ELEVATION, PERFORATED PIPE, PEACOCK BALLAST ROCK, PLASTIC FILTER FABRIC AND BACKFILLING WITH SELECT FILL (SEE DETAIL OF EXFILTRATION DRAIN TO DETERMINE NON-PERFORATED PIPE QUANTITY) AND ALL APPLICABLE ITEMS REQUIRED TO CONSTRUCT EXFILTRATION DRAIN.
- 520-1-10 INCLUDES DROP CURB AT DRIVEWAYS AND 3 FT OF CURB ENDING AS DIRECTED BY THE ENGINEER.
- 522-1 INCLUDES THE COST OF PEDESTRIAN RAMPS.
- 522-2 ESTIMATED QUANTITY FOR DRIVEWAYS TO BE CONSTRUCTED AT LOCATIONS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- 575-1-1 INCLUDES SOD TO BE USED IN THE RESTORATION OF LAWNS AND MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER. PENSACOLA OR TO MATCH EXISTING SOD.

REVISIONS		
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**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
 PROJECT No.: **B-40347**

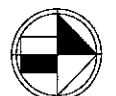


**SUMMARY OF QUANTITIES**

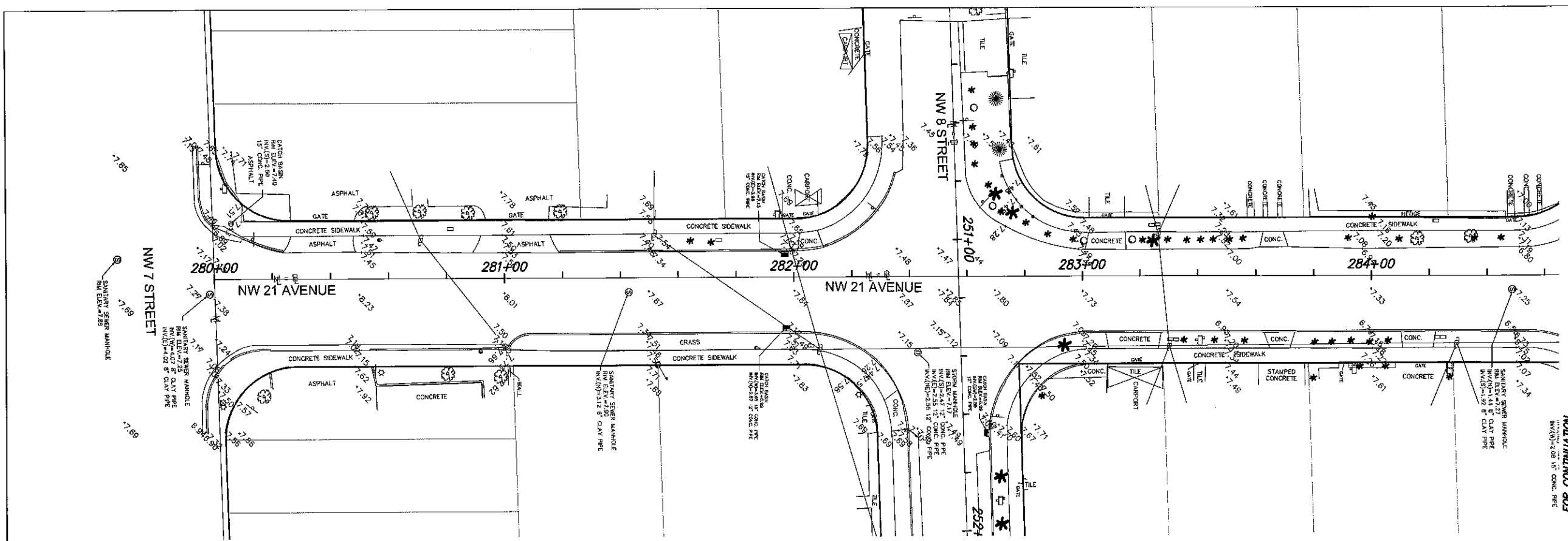
SHEET NO.

**G-07**





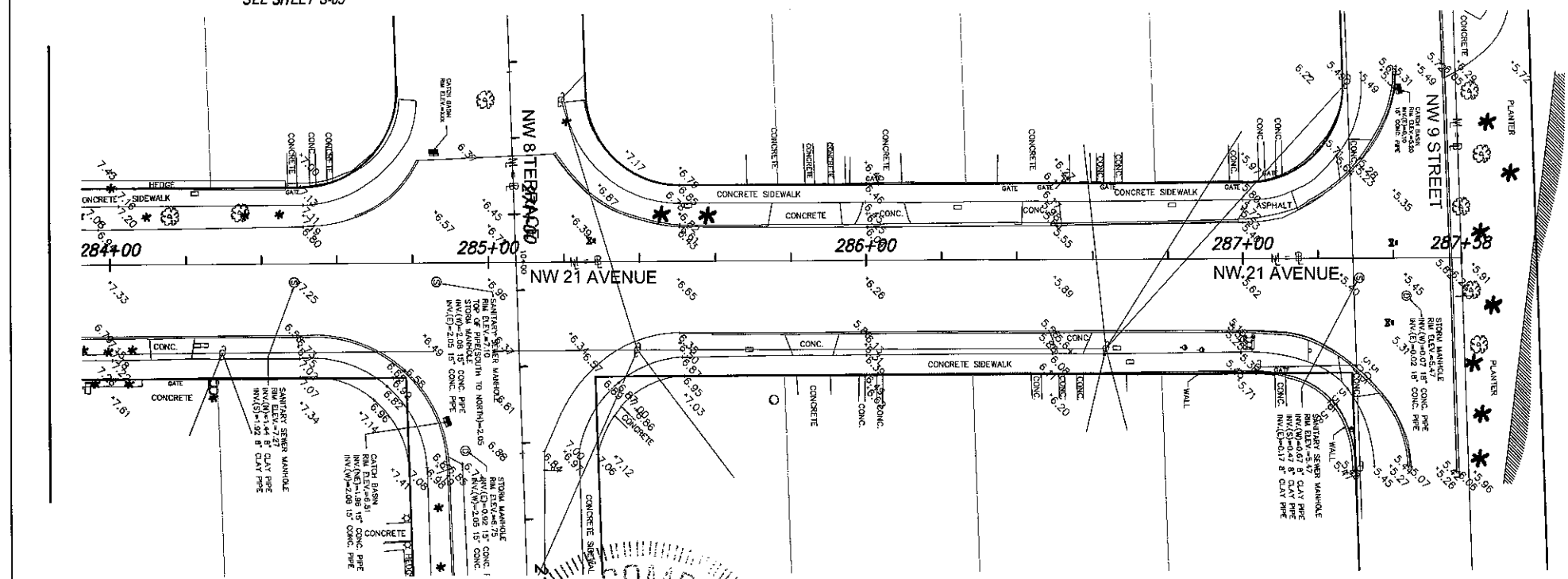
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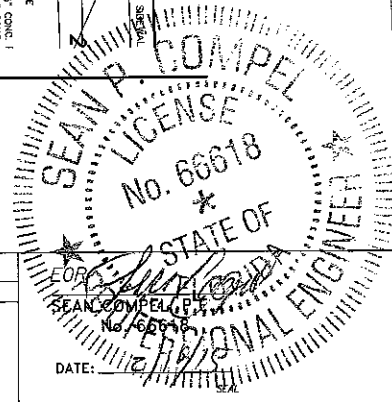
FOR CONTINUATION  
 SEE SHEET S-05

FOR CONTINUATION  
 SEE SHEET S-04

FOR CONTINUATION  
 SEE SHEET S-05



FOR CONTINUATION  
 SEE SHEET S-05



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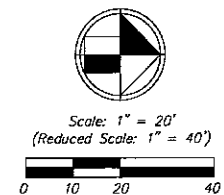
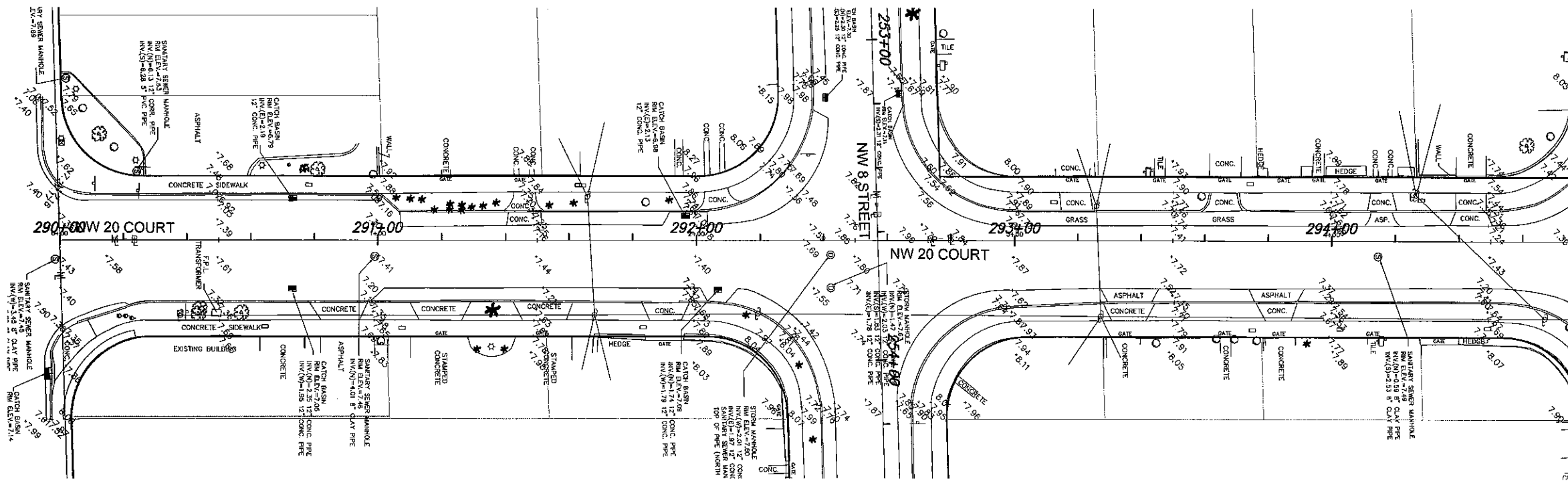
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**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
 PROJECT No.: **B-40347**



**EXISTING SITE CONDITION**  
**NW 21ST AVENUE**

SHEET NO.  
**S-01**

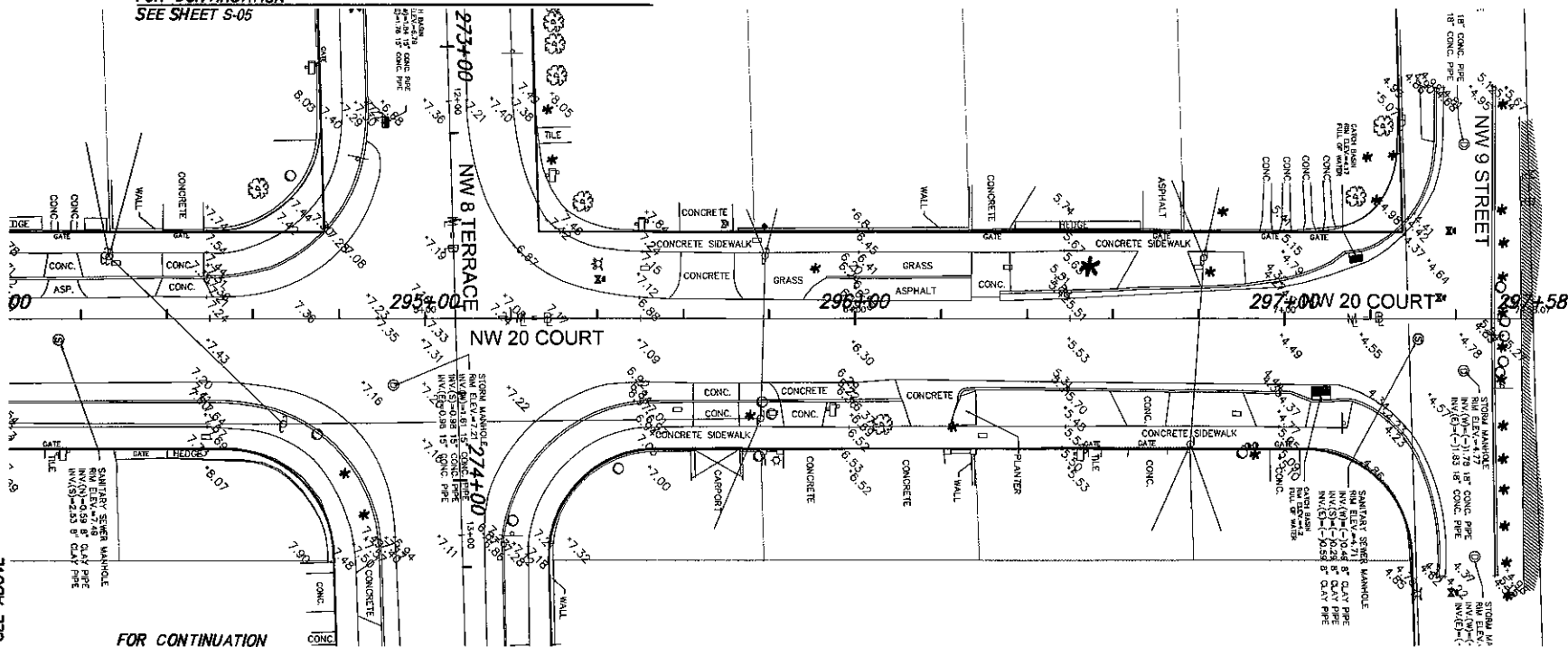
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SEE SHEET S-04



FOR CONTINUATION  
SEE SHEET S-04

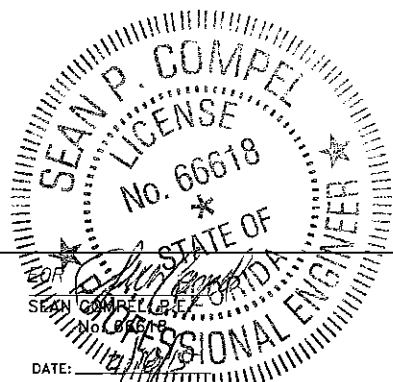
FOR CONTINUATION  
SEE BELOW

FOR CONTINUATION  
SEE SHEET S-05



FOR CONTINUATION  
SEE ABOVE

FOR CONTINUATION  
SEE SHEET S-05



REVISIONS		
DATE	BY	DESCRIPTION

SEAN P. COMPEL  
LICENSE No. 66618  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
DATE: 11/15/11



CITY OF MIAMI  
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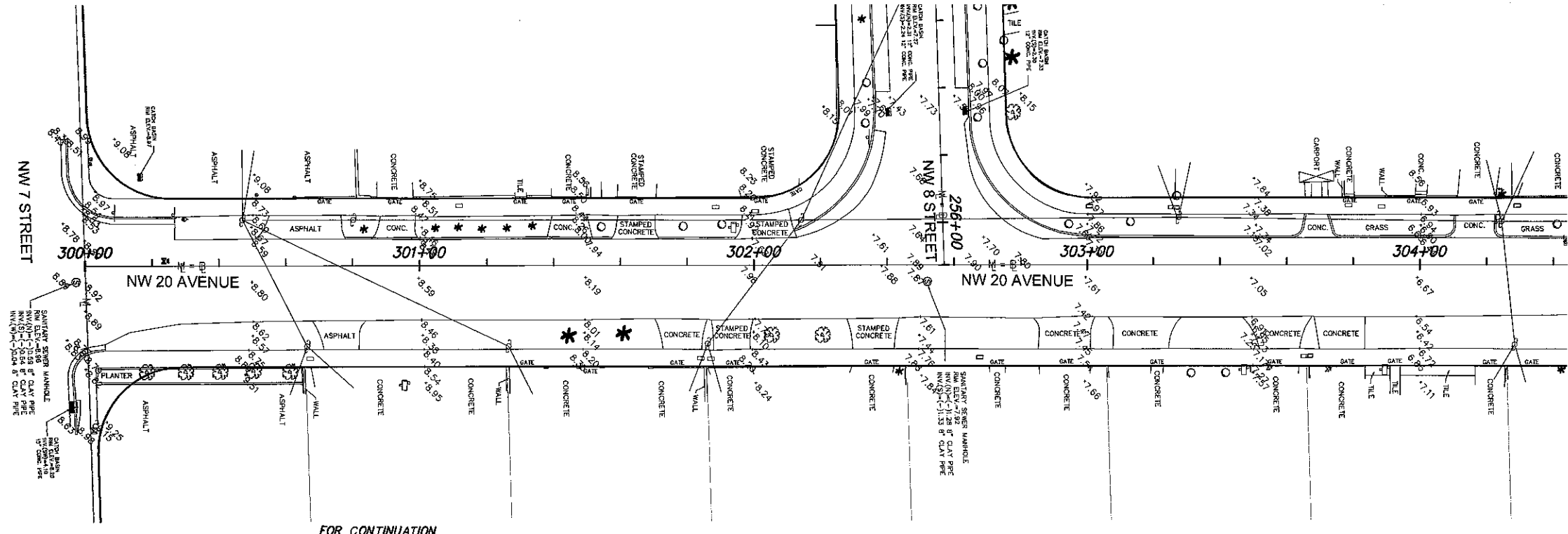
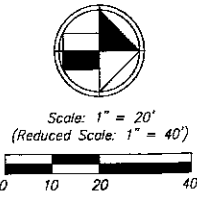
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



EXISTING SITE CONDITION  
NW 20TH COURT

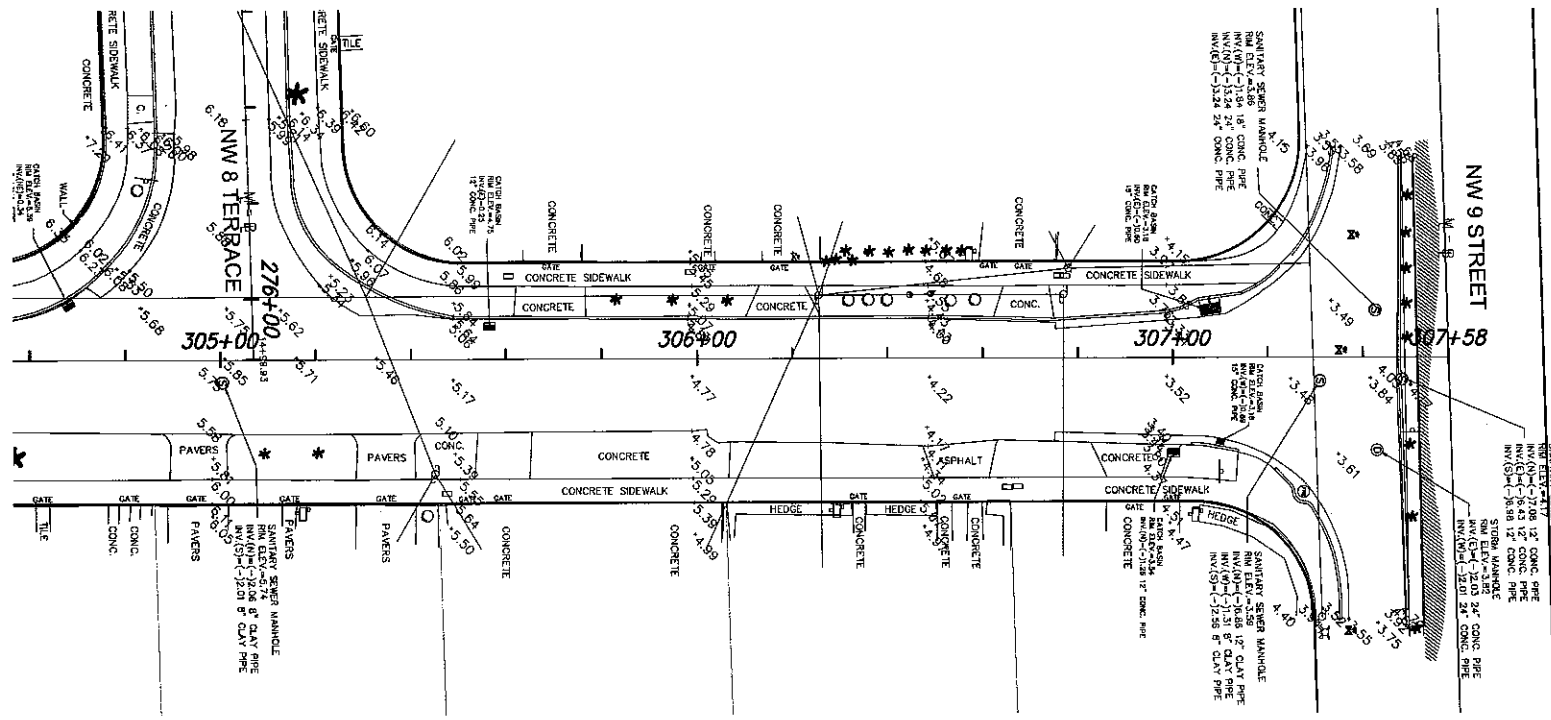
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FOR CONTINUATION  
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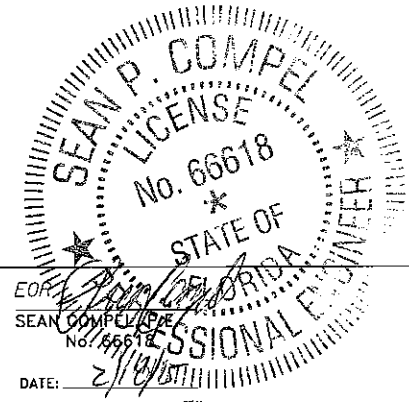


FOR CONTINUATION  
SEE SHEET S-05

FOR CONTINUATION  
SEE BELOW



FOR CONTINUATION  
SEE ABOVE



REVISIONS		
DATE	BY	DESCRIPTION

EOR:  
SEAN P. COMPEL  
No. 66618  
DATE: 2/18/2018  
SEAL



CITY OF MIAMI  
CAPITAL IMPROVEMENTS AND  
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



EXISTING SITE CONDITION  
NW 20TH AVENUE

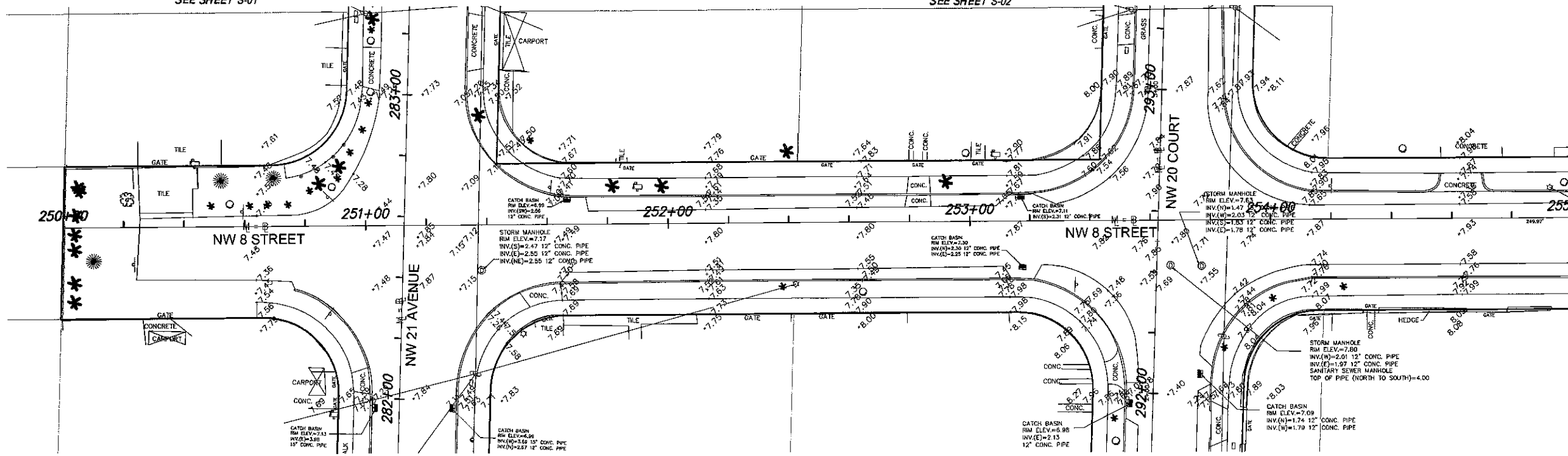
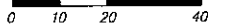
SHEET  
NO.  
S-03

FOR CONTINUATION  
SEE SHEET S-01

FOR CONTINUATION  
SEE SHEET S-02



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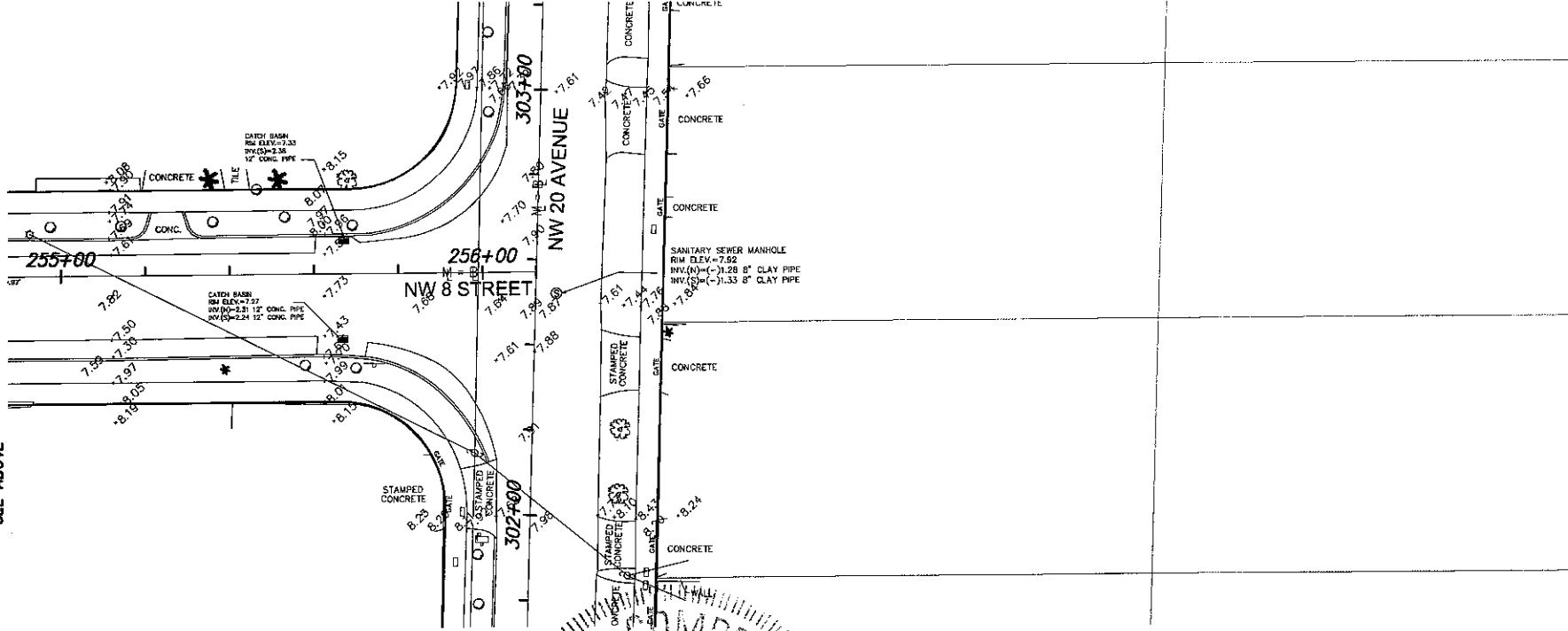


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SEE SHEET S-01

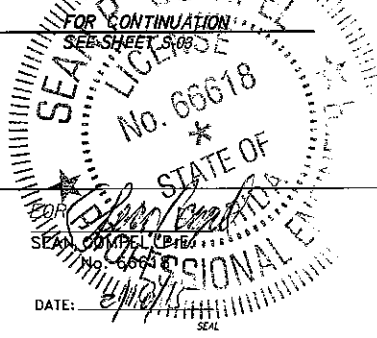
FOR CONTINUATION  
SEE SHEET S-02

FOR CONTINUATION  
SEE BELOW

FOR CONTINUATION  
SEE SHEET S-03



FOR CONTINUATION  
SEE ABOVE



REVISIONS		
DATE	BY	DESCRIPTION



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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347

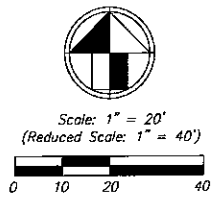
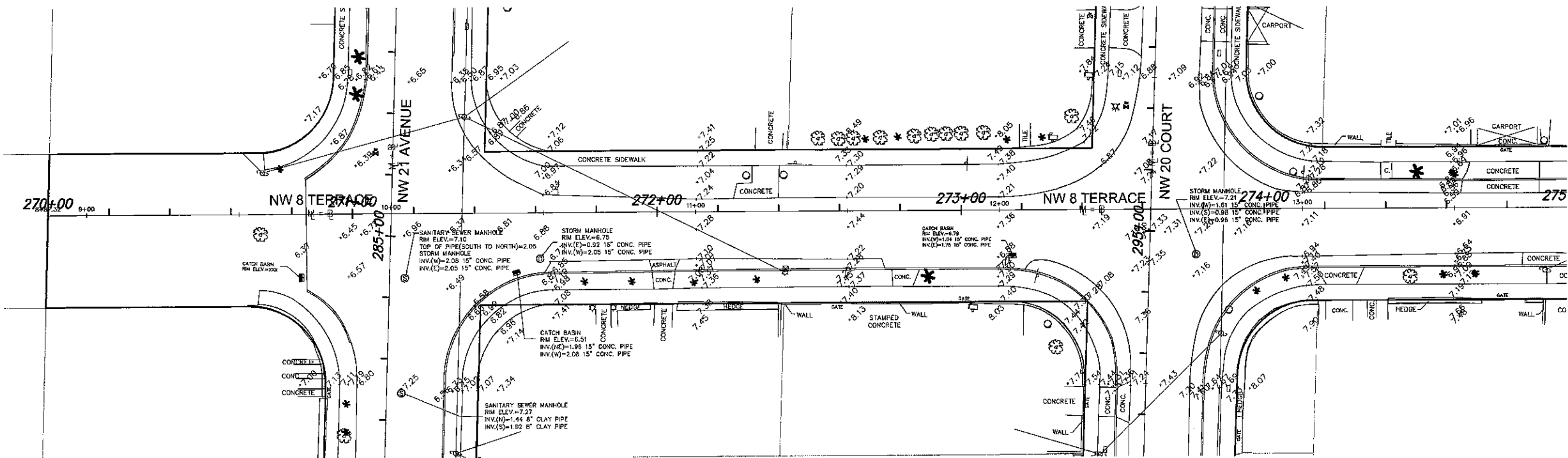
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901 Fonce de Leon Blvd, Suite 900  
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EXISTING SITE CONDITION  
NW 8TH STREET

SHEET  
NO.  
**S-04**

FOR CONTINUATION  
SEE SHEET C-32

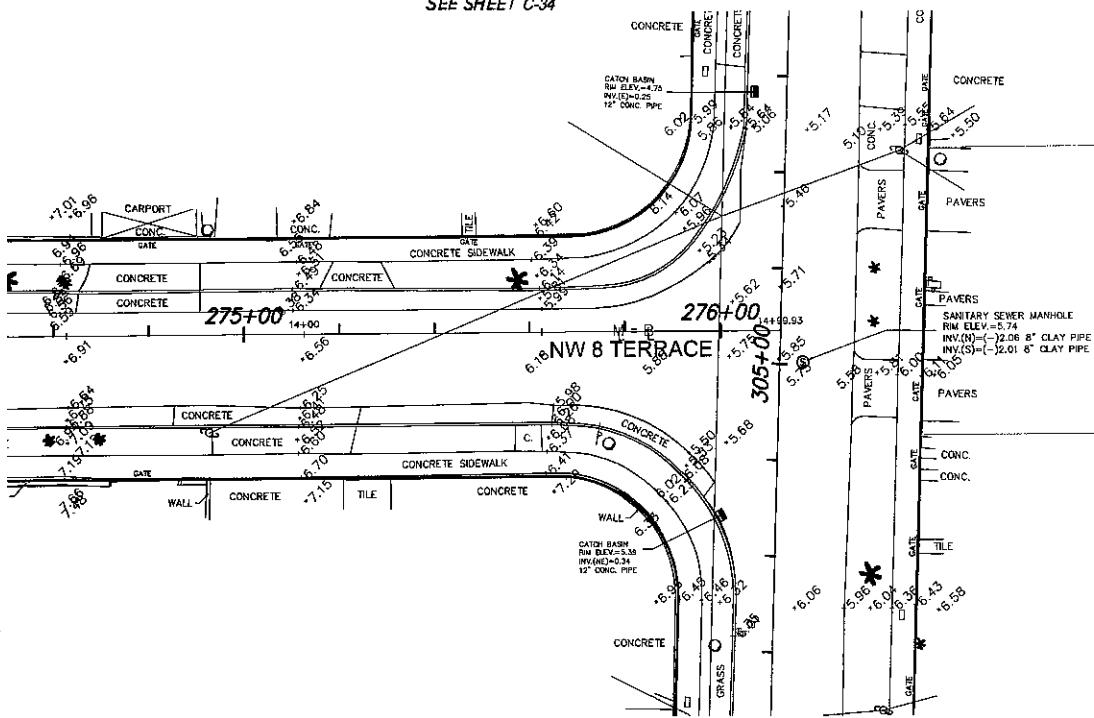
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SEE SHEET C-33



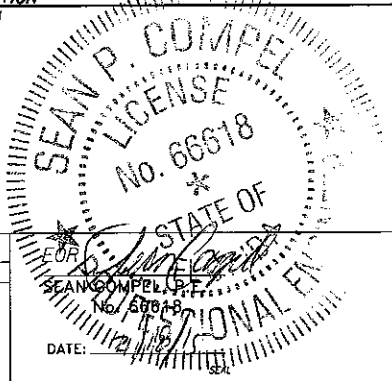
FOR CONTINUATION  
SEE SHEET C-32

FOR CONTINUATION  
SEE SHEET C-34

FOR CONTINUATION  
SEE SHEET C-33



FOR CONTINUATION  
SEE SHEET C-34



REVISIONS		
DATE	BY	DESCRIPTION



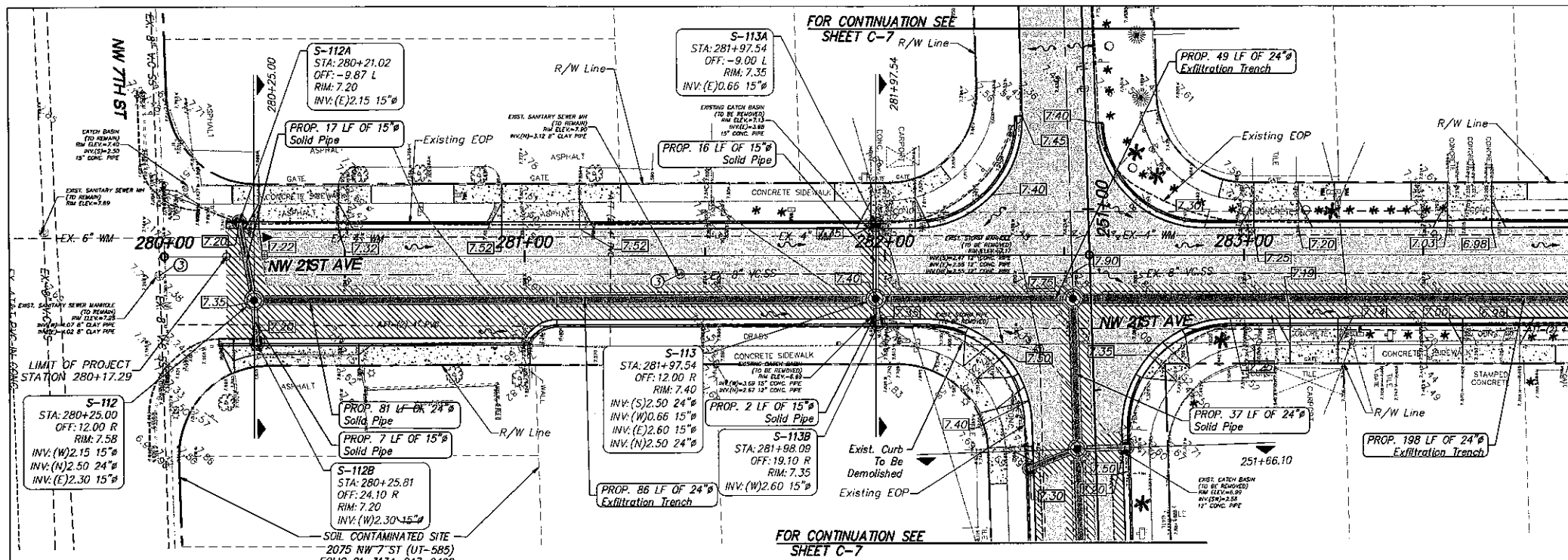
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347

991 Ponce de Leon Blvd, Suite 900  
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EXISTING SITE CONDITION  
NW 8TH TERRACE

SHEET  
NO.  
**S-05**

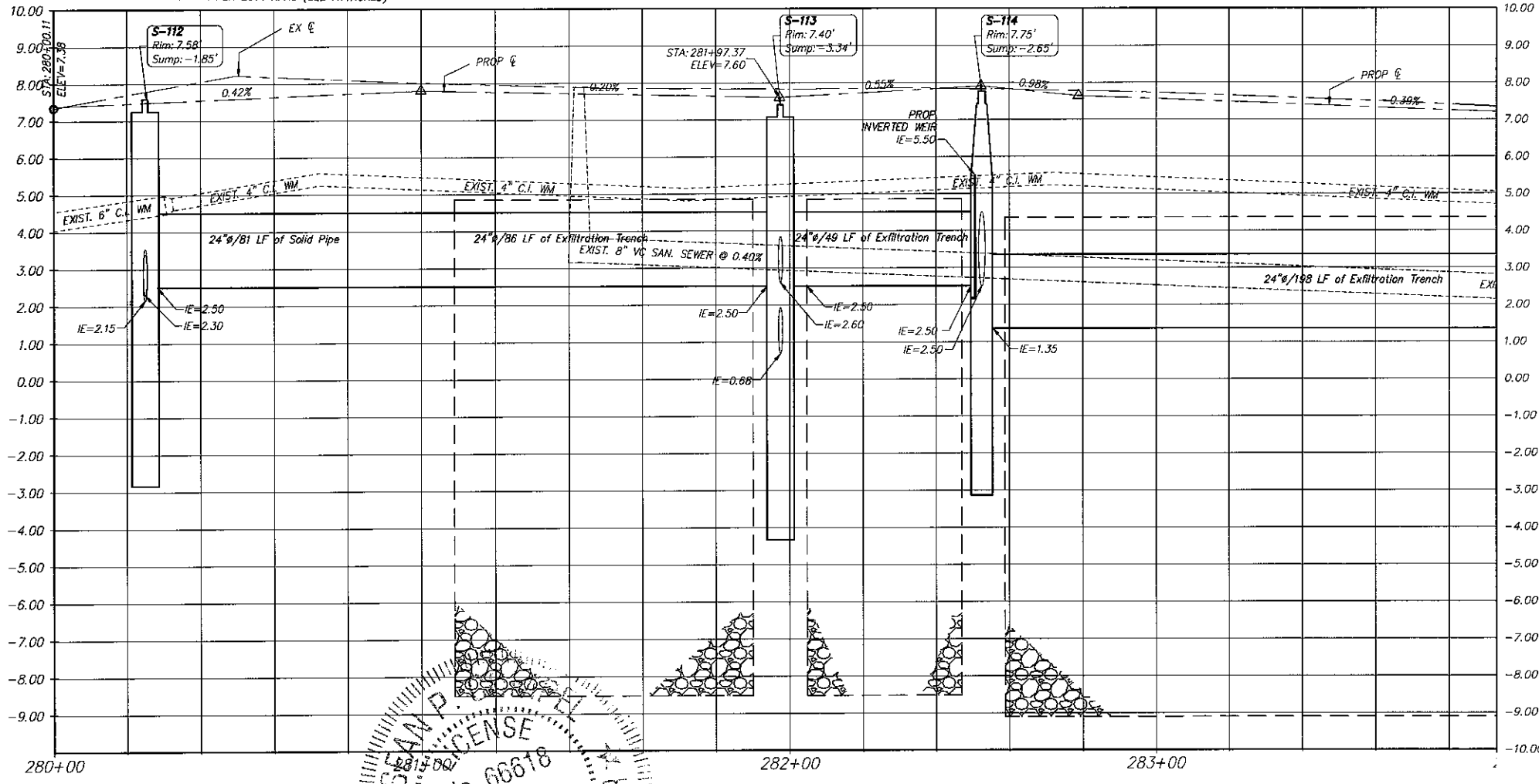


Scale: 1" = 20'  
(Reduced Scale: 1" = 40')

0 10 20 40

**LEGEND**

- Exist. Property Line
- Exist. Right of Way Line
- Center Line
- Exist. Type "F" Gutter
- Exist. Edge of Pavement
- Exist. Storm Drainage Pipe
- Exist. Chain Link Fence
- Monument Line
- Existing Catch Basin
- Existing Catch Basin
- Exist. Light Pole w/ Pull Box
- Exist. Storm MH
- Exist. Fire Hydrant
- Exist. Trees To Remain
- Existing Elevation
- Proposed Pavement Grade
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "T" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
- Prop. Drainage M.H.
- Reconstruct Conc. Sidewalk
- Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition
- Existing Road Center Line (Profile)
- Proposed Road Center Line (Profile)
- Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.



- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.
  - ALL ADA RAMPS ARE AS PER FOOT INDEX 304
  - CONTRACTOR SHALL PROVIDE MANATEE GRATE AT MIAMI RIVER OUTFALL LOCATED ALONG NW 20th AVENUE. MANATEE GRATE SHALL PROVIDE OPENINGS AT A MAX. OF 7". SHOP DRAWING TO BE PROVIDED TO ENGINEER OF RECORD FOR APPROVAL. CONTRACTOR TO SET UP MEETING WITH ENGINEER OF RECORD AT OUTFALL LOCATION BEFORE PROVIDING SHOP DRAWING.

REVISIONS		
DATE	BY	DESCRIPTION

Professional Engineer Seal: Sean P. [Name], License No. 66618, State of Florida. Includes date and signature.

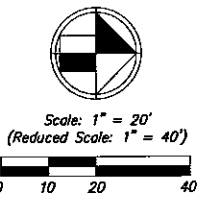
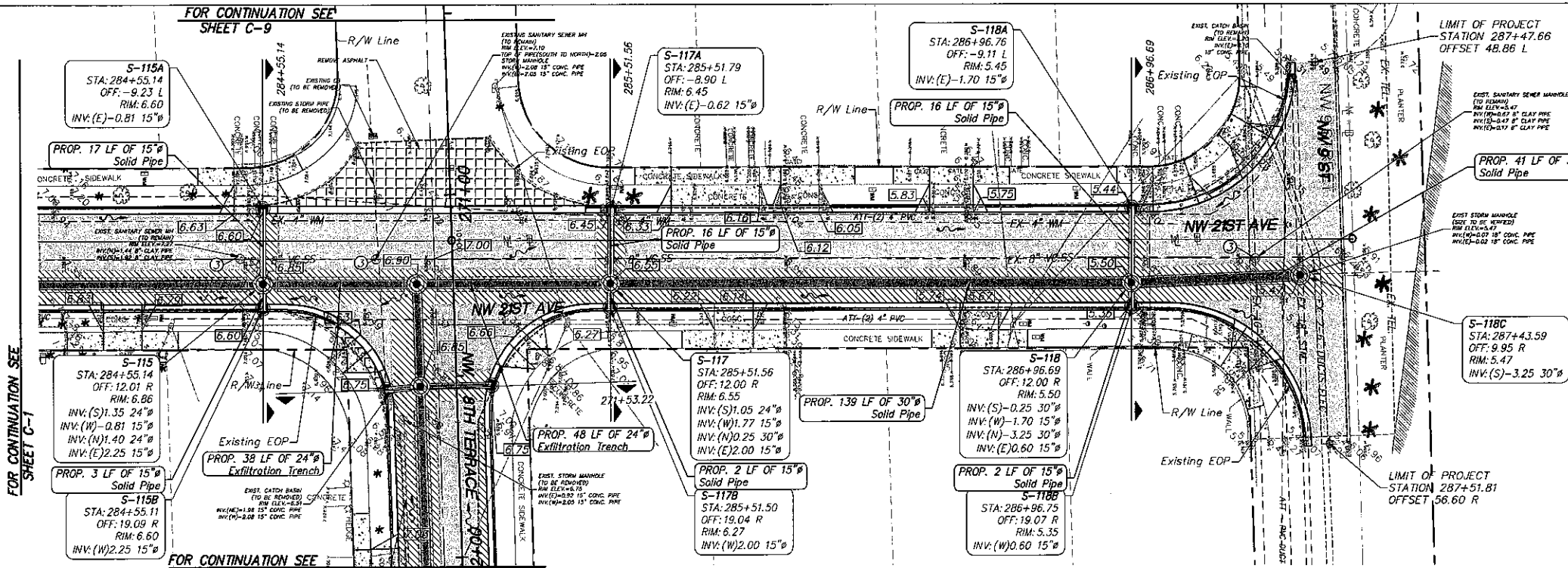
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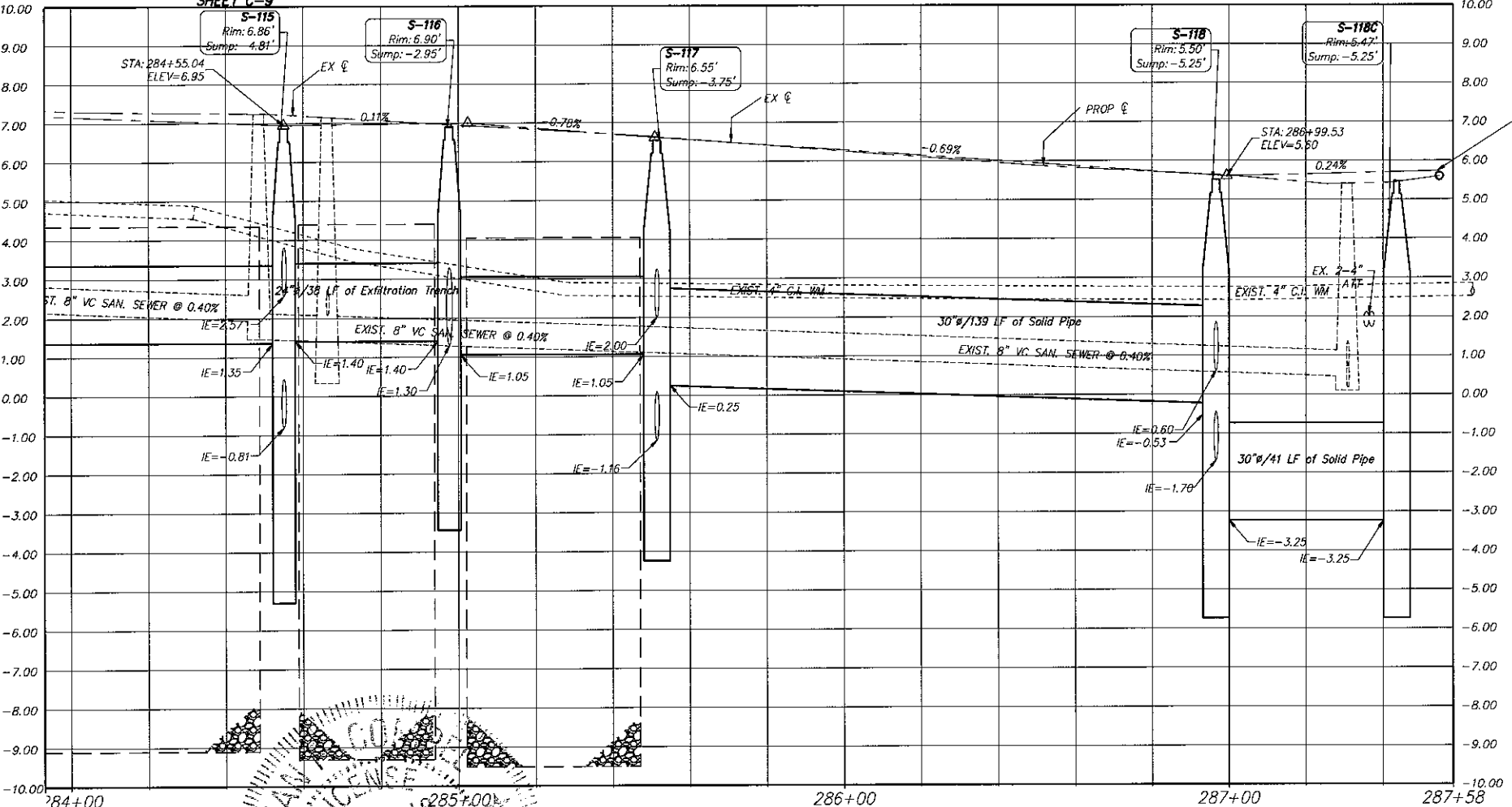
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**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-1**

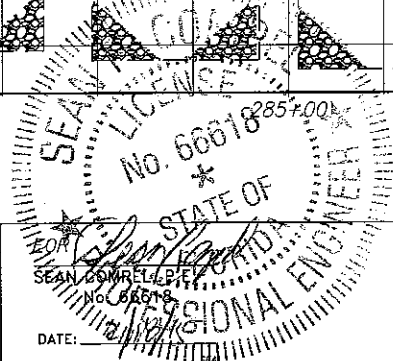


- LEGEND**
- R — Existing Property Line
  - - - R/W Line Existing Right of Way Line
  - C — Center Line
  - F — Existing Type "F" Gutter
  - P — Existing Edge of Pavement
  - S — Existing Storm Drainage Pipe
  - L — Existing Chain Link Fence
  - M — Monument Line
  - CB — Existing Catch Basin
  - CB — Existing Catch Basin
  - LP — Existing Light Pole w/ Pull Box
  - SW — Existing Storm w/w
  - FH — Existing Fire Hydrant
  - TR — Existing Trees To Remain
  - E — Existing Elevation
  - PG — Proposed Pavement Grade
  - EP — Prop. Edge of Pavement
  - CD — Prop. Type "D" Curb
  - CF — Prop. Type "F" Curb & Gutter
  - CB — Existing Catch Basin
  - DT — Existing Drainage Trench
  - SM — Existing San. MH
  - SWV — Existing Water Valve
  - CB — Prop. Catch Basin
  - DMH — Prop. Drainage M.H.
  - CS — Reconstruct Conc. Sidewalk
  - MR — Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
  - NP — New Pavement Reconstruction
  - PD — Pavement Demolition
  - RCL — Existing Road Center Line (Profile)
  - PCL — Proposed Road Center Line (Profile)
  - SMH — Existing Sanitary MH To Remain. Adjust Rim To Match New Pavement Elevation.



- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.
  - ALL ADA RAMP ARE AS PER FDOT INDEX 304
  - CONTRACTOR SHALL PROVIDE MANATEE GRATE AT MIAMI RIVER OUTFALL LOCATED ALONG NW 20th AVENUE. MANATEE GRATE SHALL PROVIDE OPENINGS AT A MAX. OF 7". SHOP DRAWING TO BE PROVIDED TO ENGINEER OF RECORD FOR APPROVAL. CONTRACTOR TO SET UP MEETING WITH ENGINEER OF RECORD AT OUTFALL LOCATION BEFORE PROVIDING SHOP DRAWING.

REVISIONS		
DATE	BY	DESCRIPTION



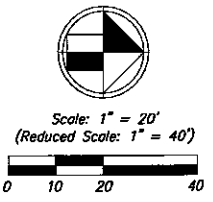
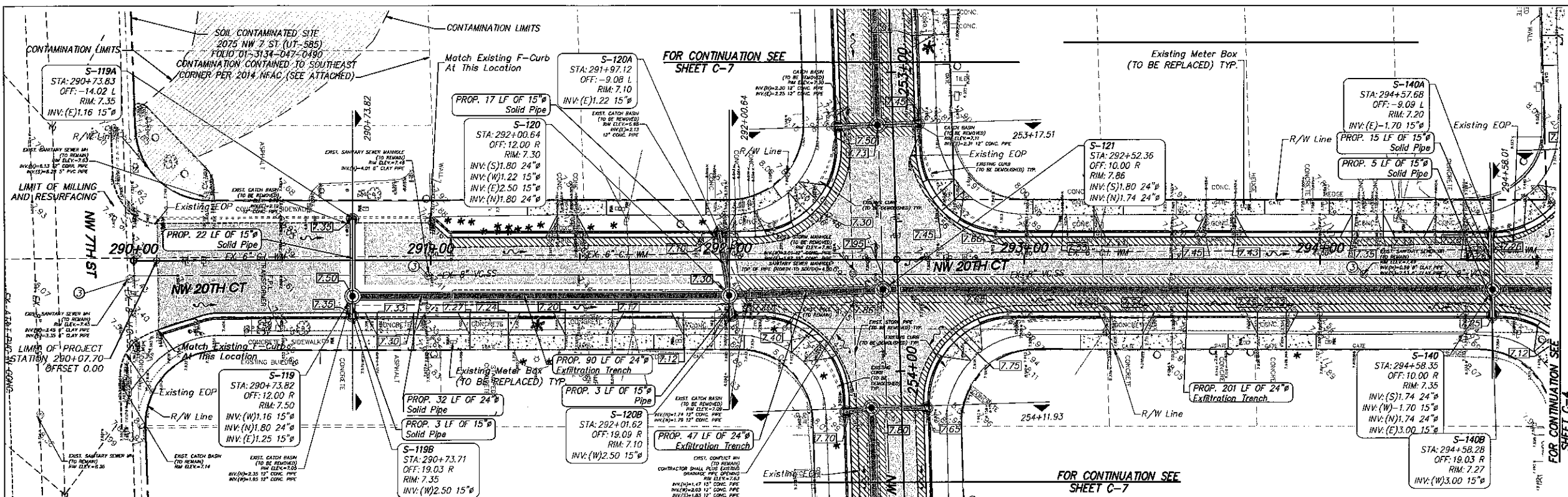
**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347

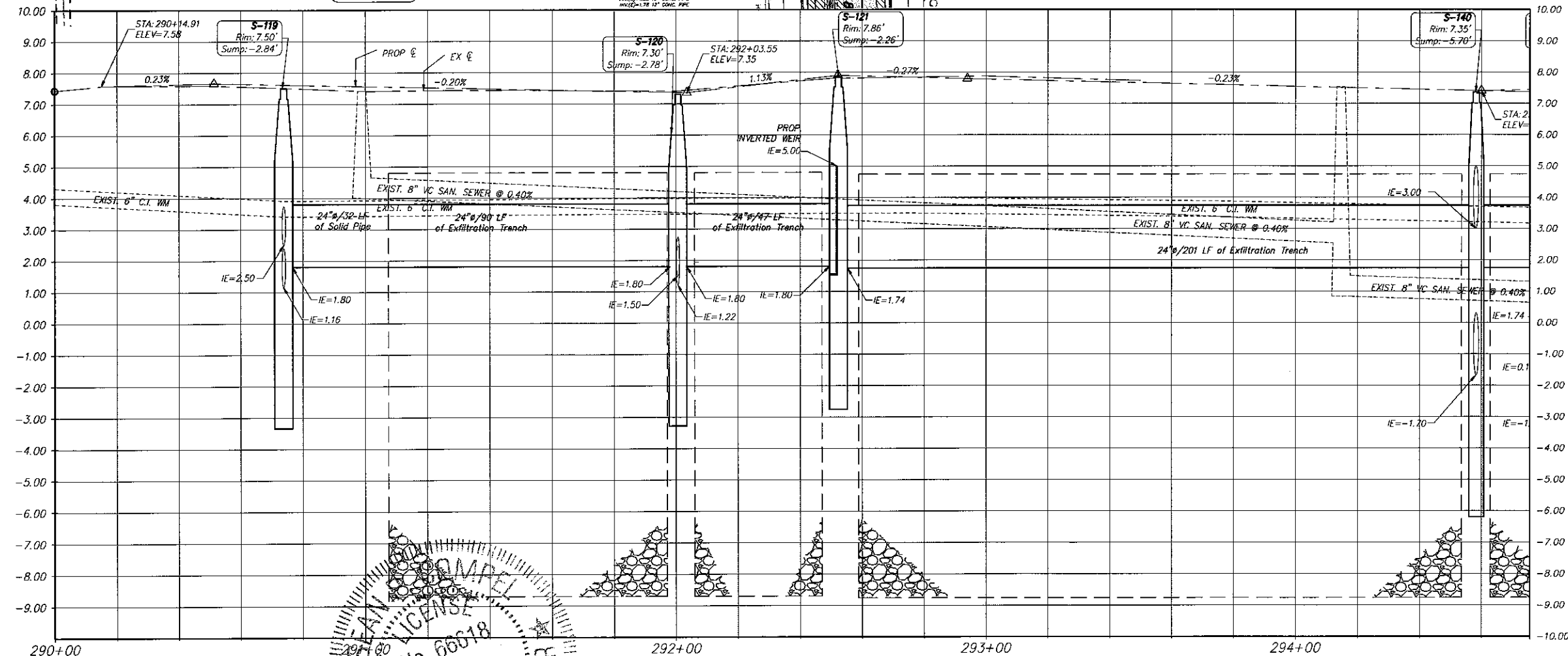


**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-2**



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "E" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.



- NOTES:**
1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.
  3. ALL ADA RAMP ARE AS PER FDOT INDEX 304
  4. CONTRACTOR SHALL PROVIDE MANHOLE GRATE AT MIAMI RIVER OUTFALL LOCATED ALONG NW 20th AVENUE. MANHOLE GRATE SHALL PROVIDE OPENINGS AT A MAX. OF 7". SHOP DRAWING TO BE PROVIDED TO ENGINEER OF RECORD FOR APPROVAL. CONTRACTOR TO SET UP MEETING WITH ENGINEER OF RECORD AT OUTFALL LOCATION BEFORE PROVIDING SHOP DRAWING.

REVISIONS	
DATE	DESCRIPTION

SEAN CAMPBELL  
 No. 66618  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

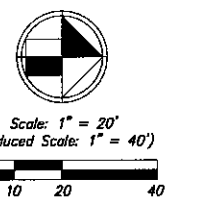
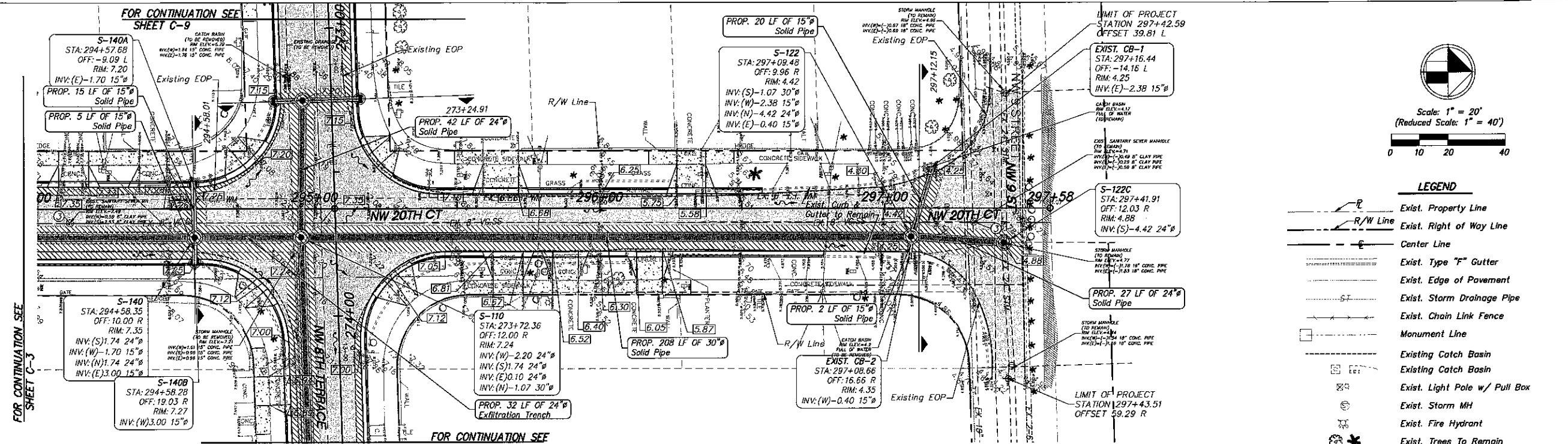
**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

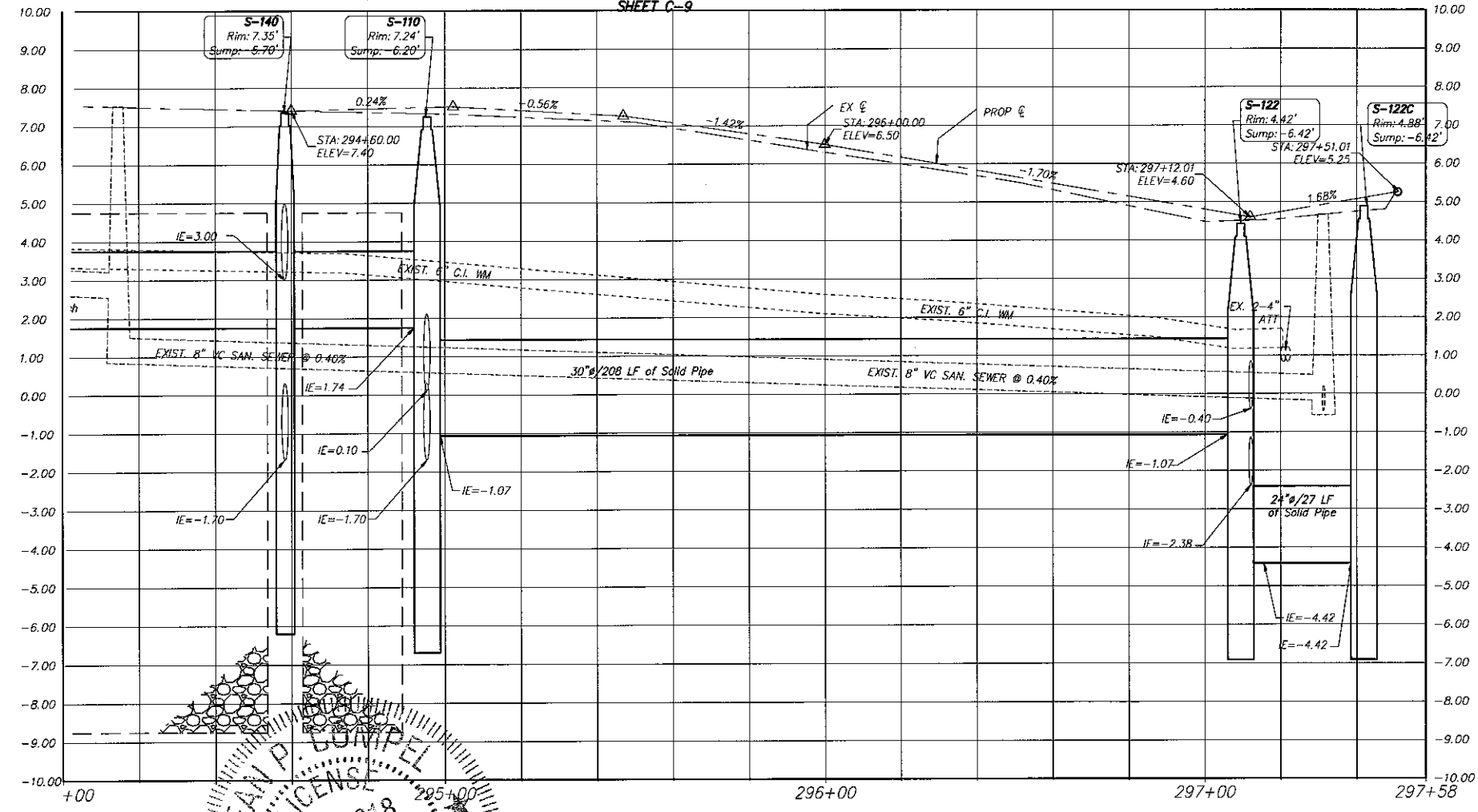
**Stantec**  
 901 Ponce de Leon Blvd., Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

**DRAINAGE PLAN AND PROFILE**  
 SHEET NO. C-3



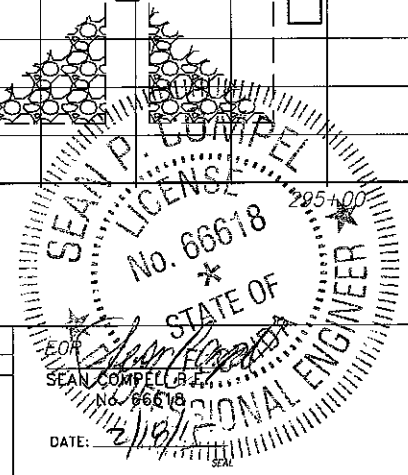


- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.



- NOTES:**
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REVISIONS	
DATE	DESCRIPTION



**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

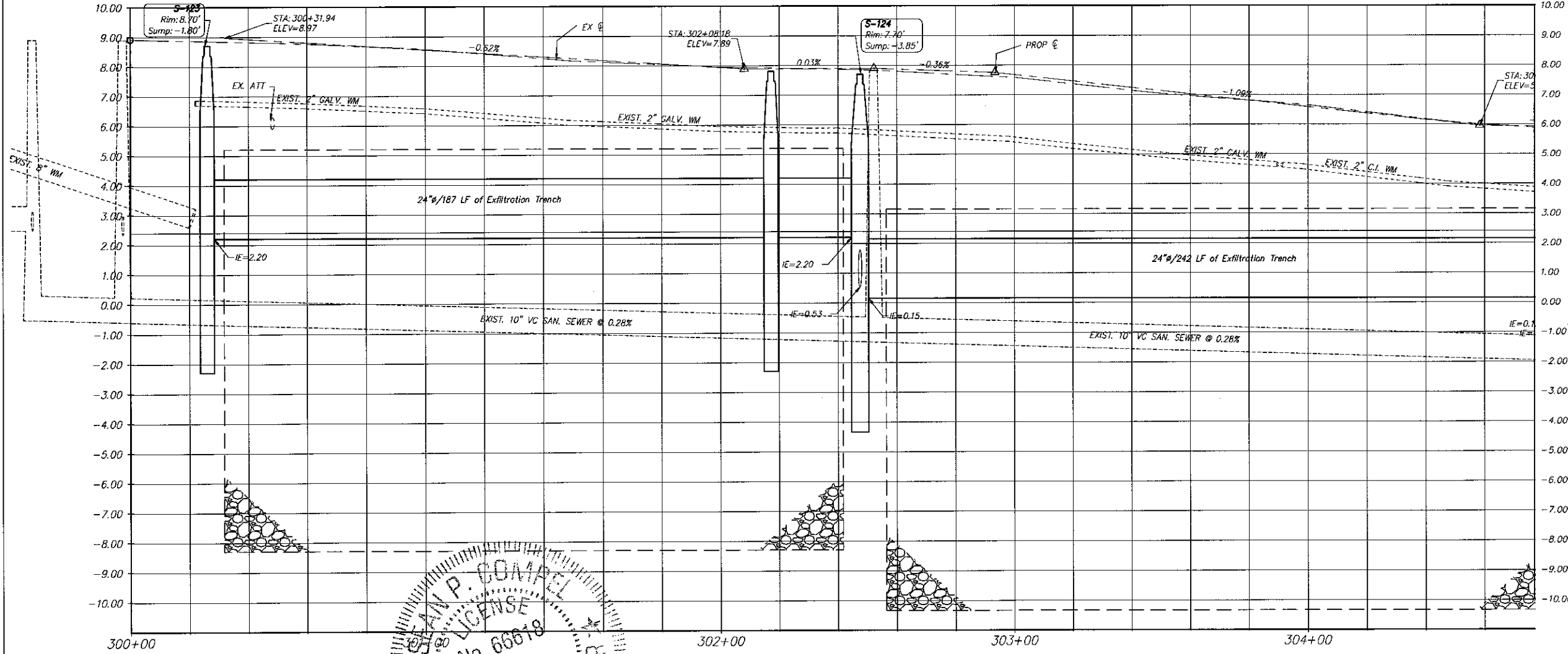
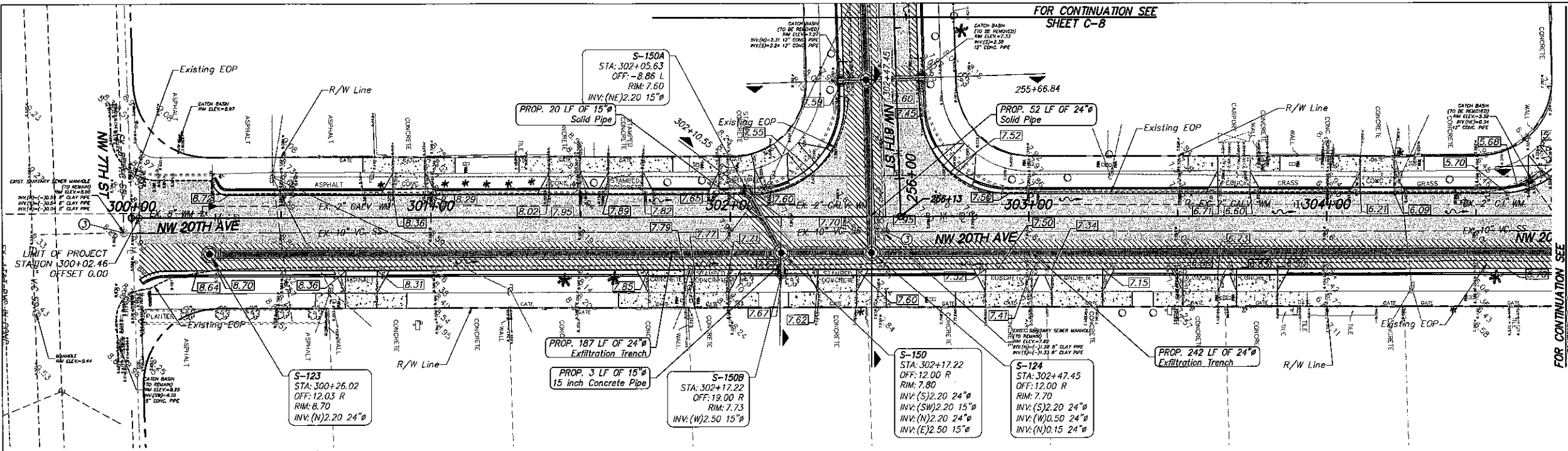
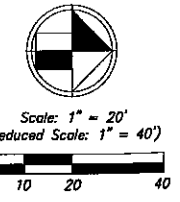
**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347



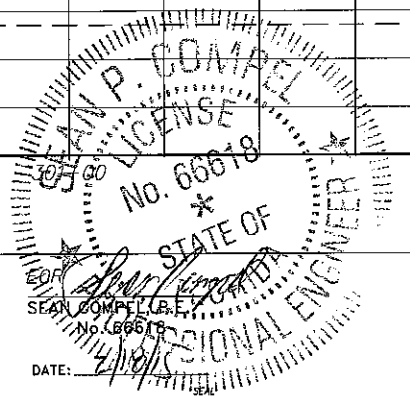
**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-4**

FOR CONTINUATION SEE SHEET C-8



REVISIONS	
DATE	DESCRIPTION



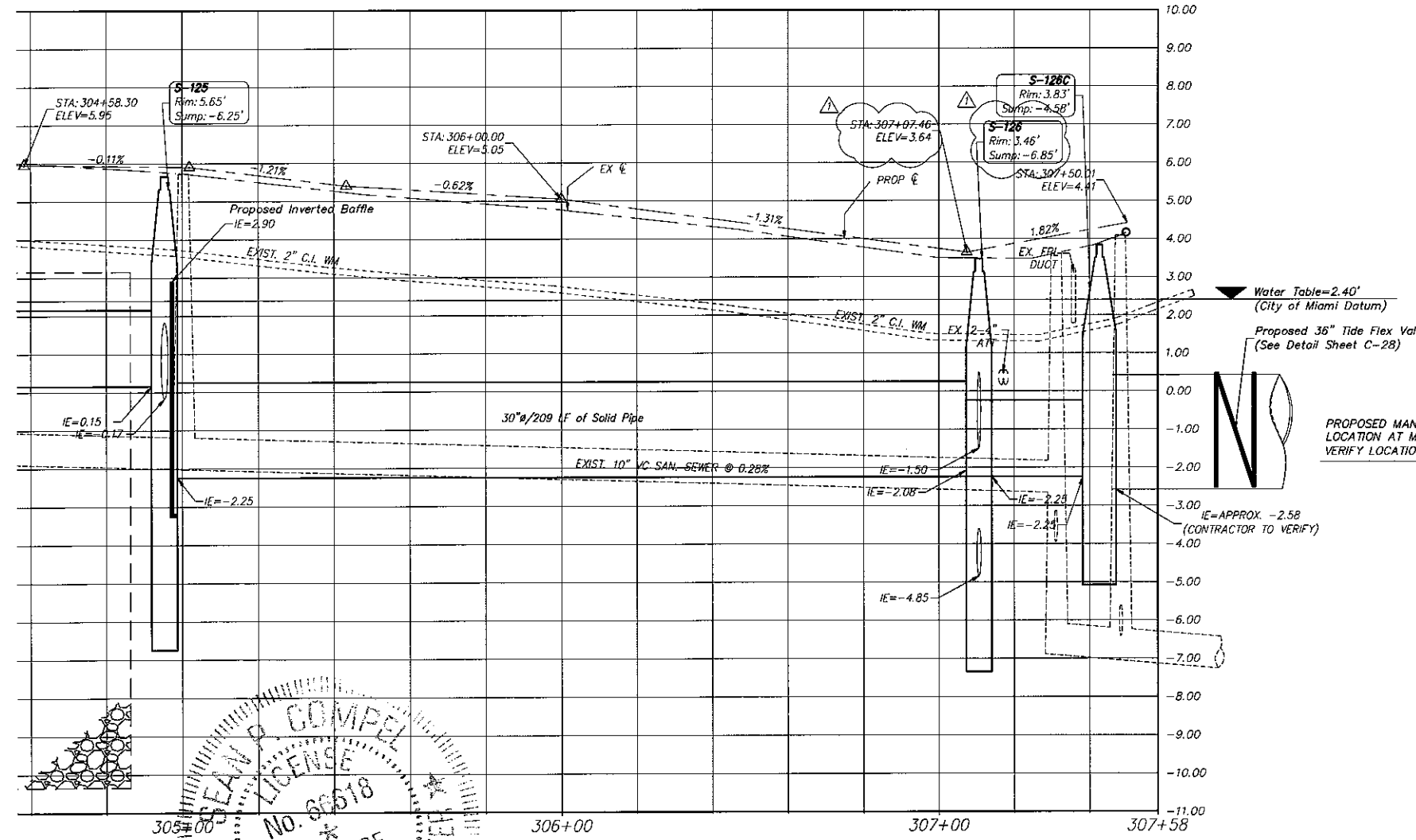
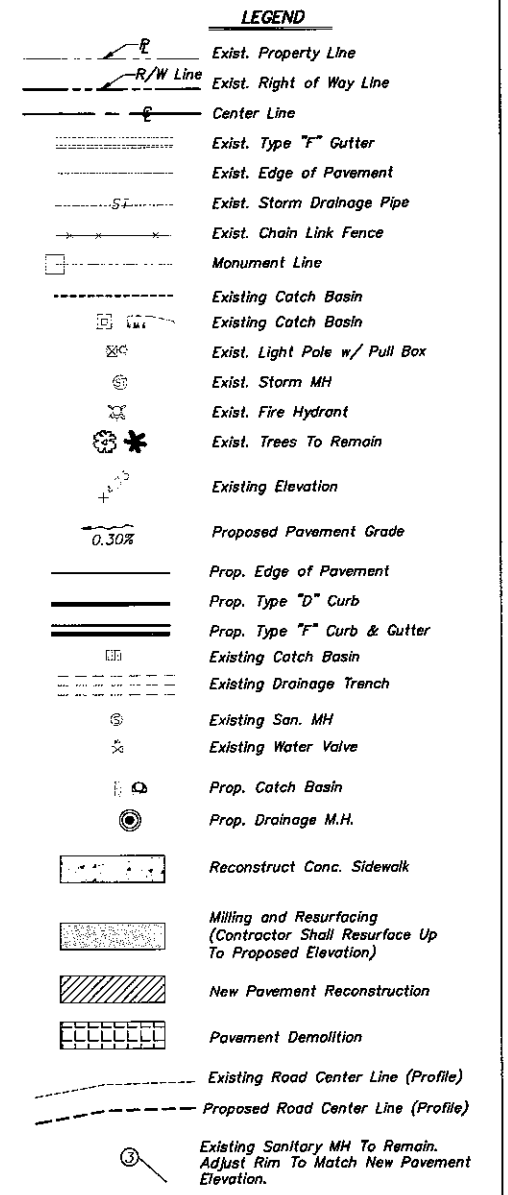
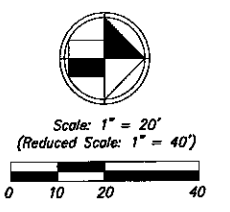
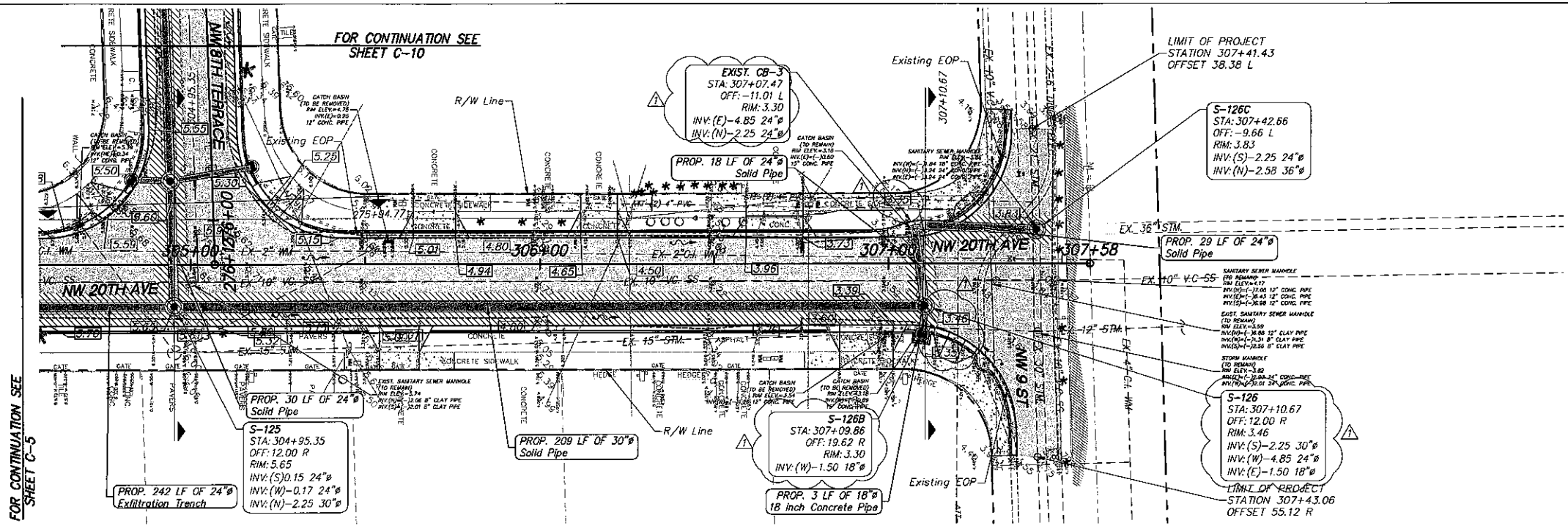
**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347



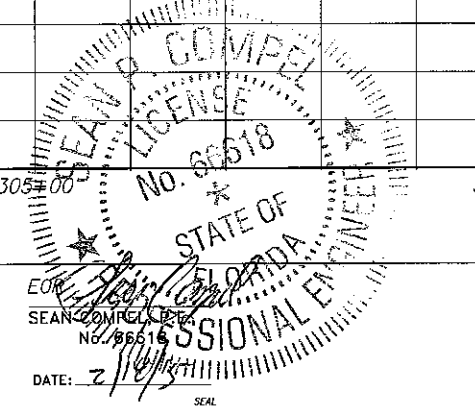
**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-5**



- NOTES:**
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REVISIONS	
DATE	DESCRIPTION
01-23-2015	REVISION 1 - CITY OF MIAMI PUBLIC WORKS



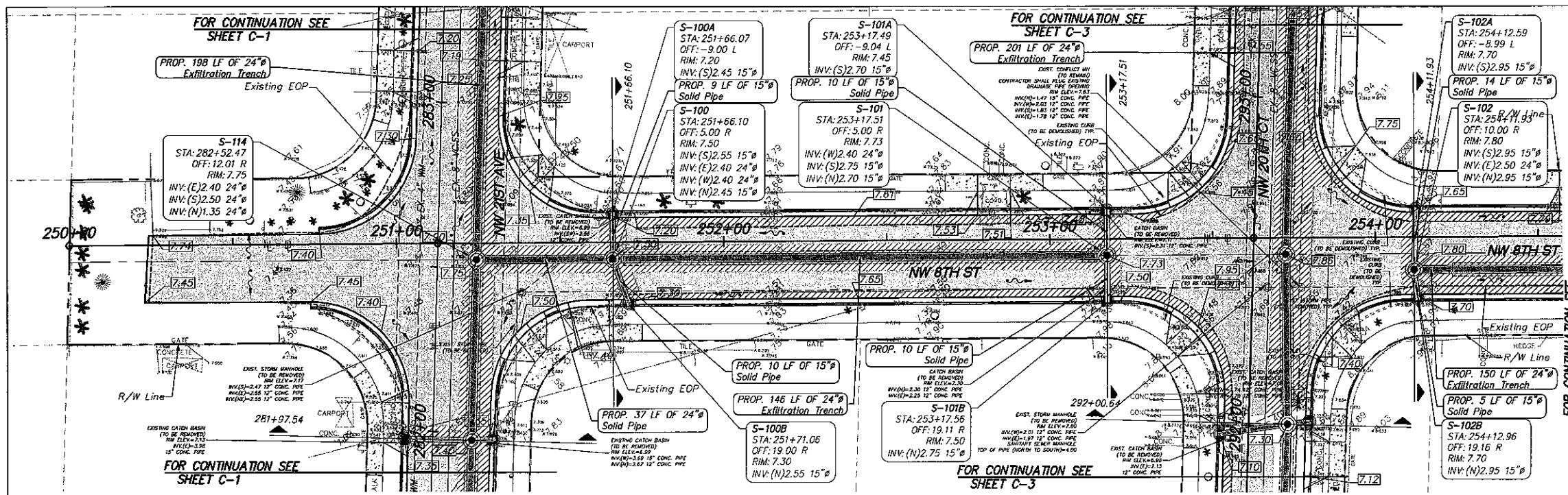
**CITY OF MIAMI**  
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 444 S.W. 2ND AVENUE, 8TH FLOOR  
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 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
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**Stantec**  
 991 Ponce de Leon Blvd, Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-6**

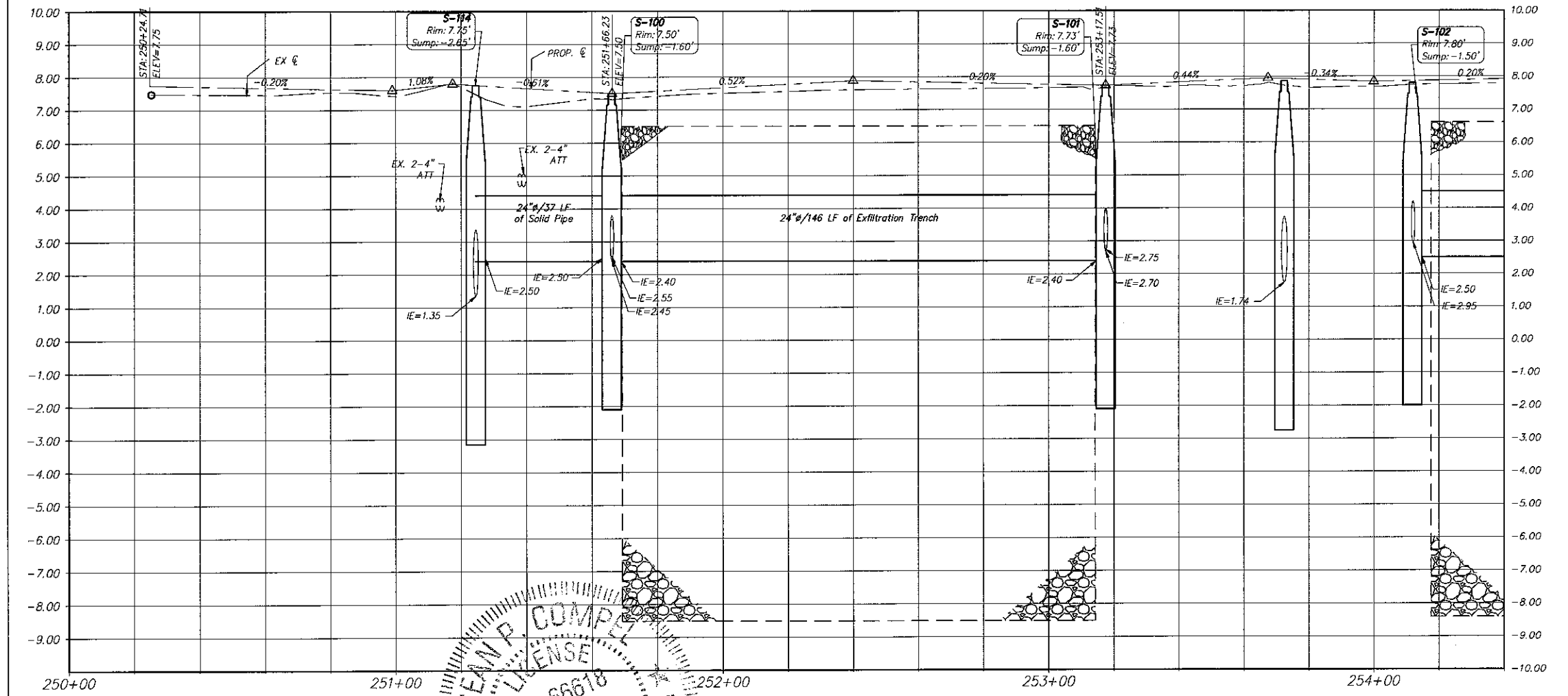


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(Reduced Scale: 1" = 40')

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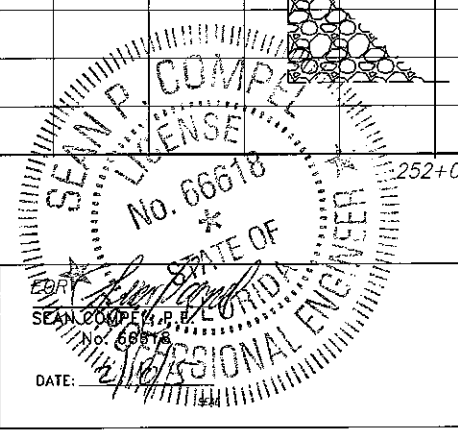
**LEGEND**

- Existing Property Line
- Existing Right of Way Line
- Center Line
- Existing Type "F" Gutter
- Existing Edge of Pavement
- Existing Storm Drainage Pipe
- Existing Chain Link Fence
- Monument Line
- Existing Catch Basin
- Existing Catch Basin
- Existing Light Pole w/ Pull Box
- Existing Storm MH
- Existing Fire Hydrant
- Existing Trees To Remain
- Existing Elevation
- Proposed Pavement Grade
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "F" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
- Prop. Drainage M.H.
- Reconstruct Conc. Sidewalk
- Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition
- Existing Road Center Line (Profile)
- Proposed Road Center Line (Profile)
- Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.



- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
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REVISIONS	
DATE	DESCRIPTION



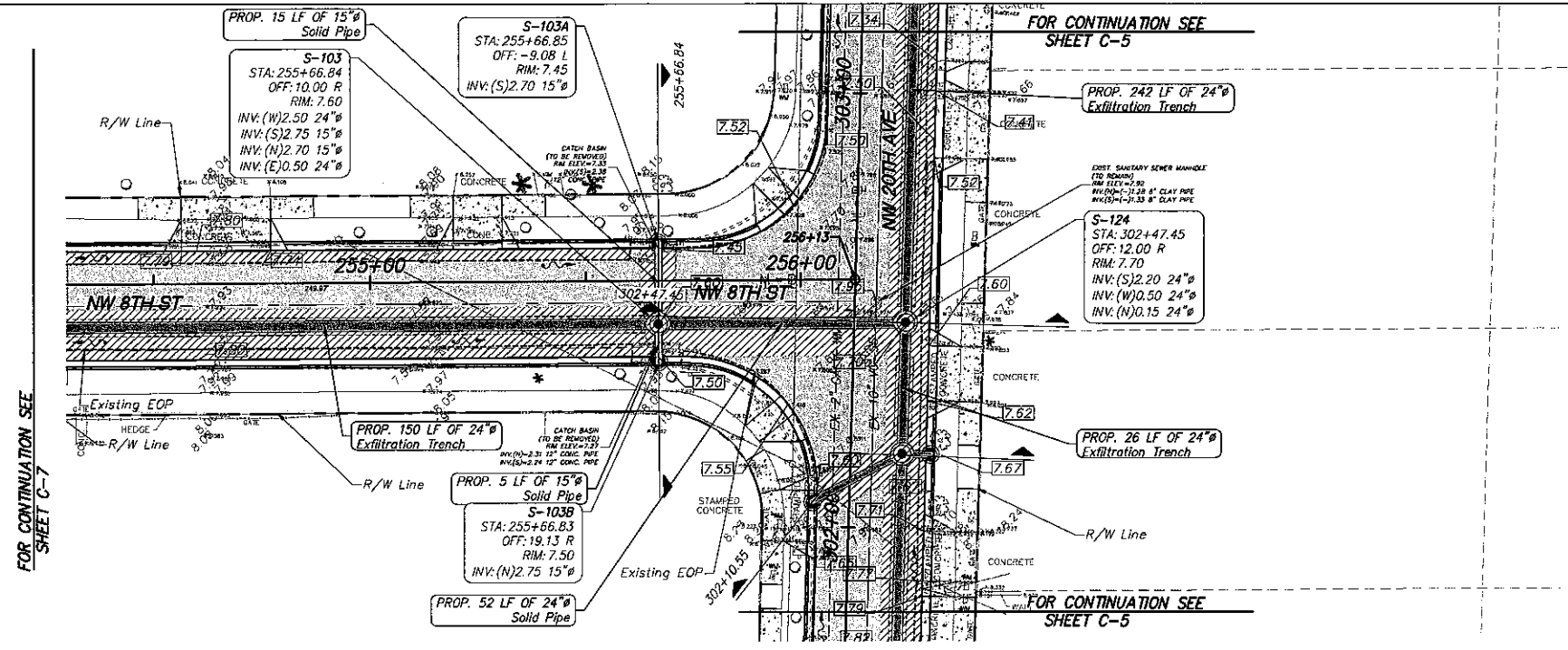
**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347

**Stantec**  
901 Ponce de Leon Blvd, Suite 900  
Coral Gables, Florida 33134  
www.stantec.com

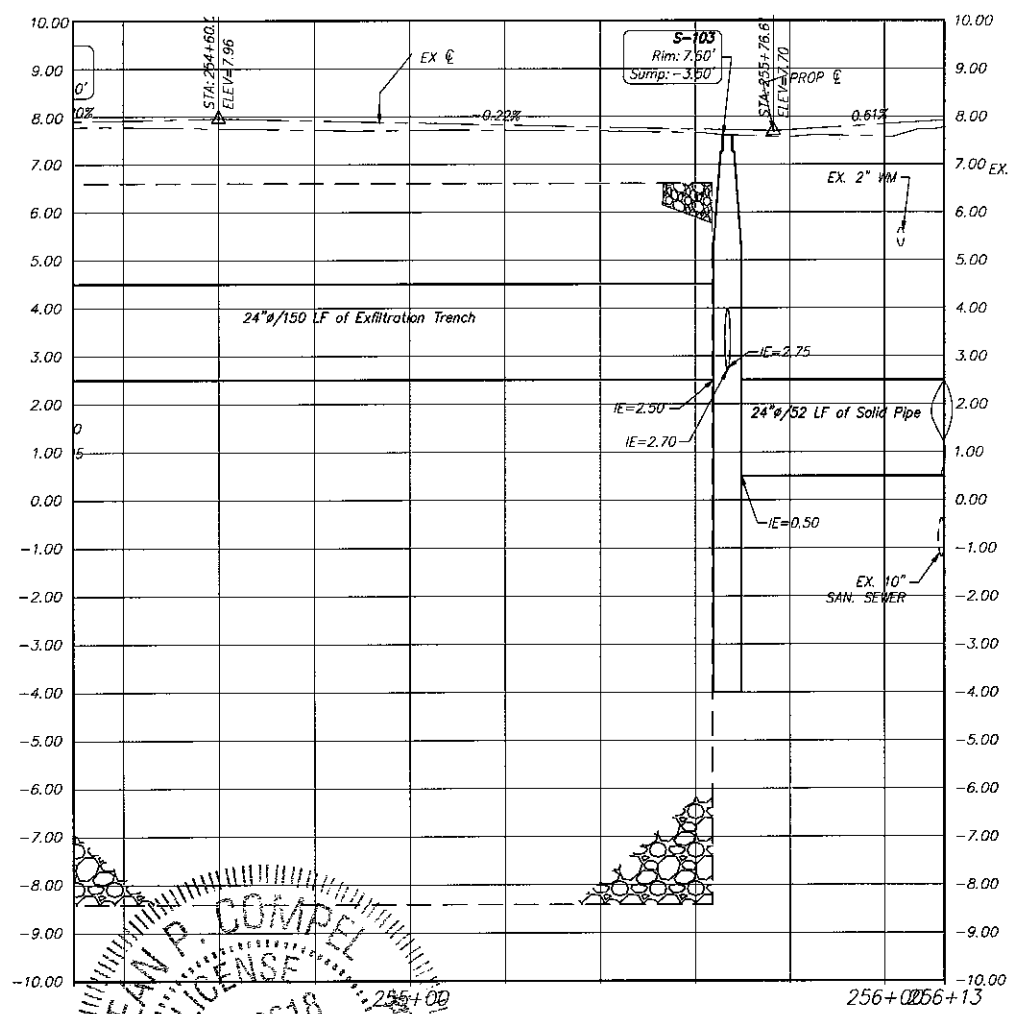
**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-7**



**LEGEND**

	Exist. Property Line
	Exist. Right of Way Line
	Center Line
	Exist. Type "F" Cutter
	Exist. Edge of Pavement
	Exist. Storm Drainage Pipe
	Exist. Chain Link Fence
	Monument Line
	Existing Catch Basin
	Existing Catch Basin
	Exist. Light Pole w/ Pull Box
	Exist. Storm MH
	Exist. Fire Hydrant
	Exist. Trees To Remain
	Existing Elevation
	Proposed Pavement Grade
	Prop. Edge of Pavement
	Prop. Type "D" Curb
	Prop. Type "F" Curb & Cutter
	Existing Catch Basin
	Existing Drainage Trench
	Existing San. MH
	Existing Water Valve
	Prop. Catch Basin
	Prop. Drainage M.H.
	Reconstruct Conc. Sidewalk
	Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
	New Pavement Reconstruction
	Pavement Demolition
	Existing Road Center Line (Profile)
	Proposed Road Center Line (Profile)
	Existing Sanitary MH To Remain. Adjust Rim To Match New Pavement Elevation.



- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.
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REVISIONS		
DATE	BY	DESCRIPTION

SEAN P. COMPEL  
 LICENSE No. 66618  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 DATE: 2/18/18



**CITY OF MIAMI**  
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347

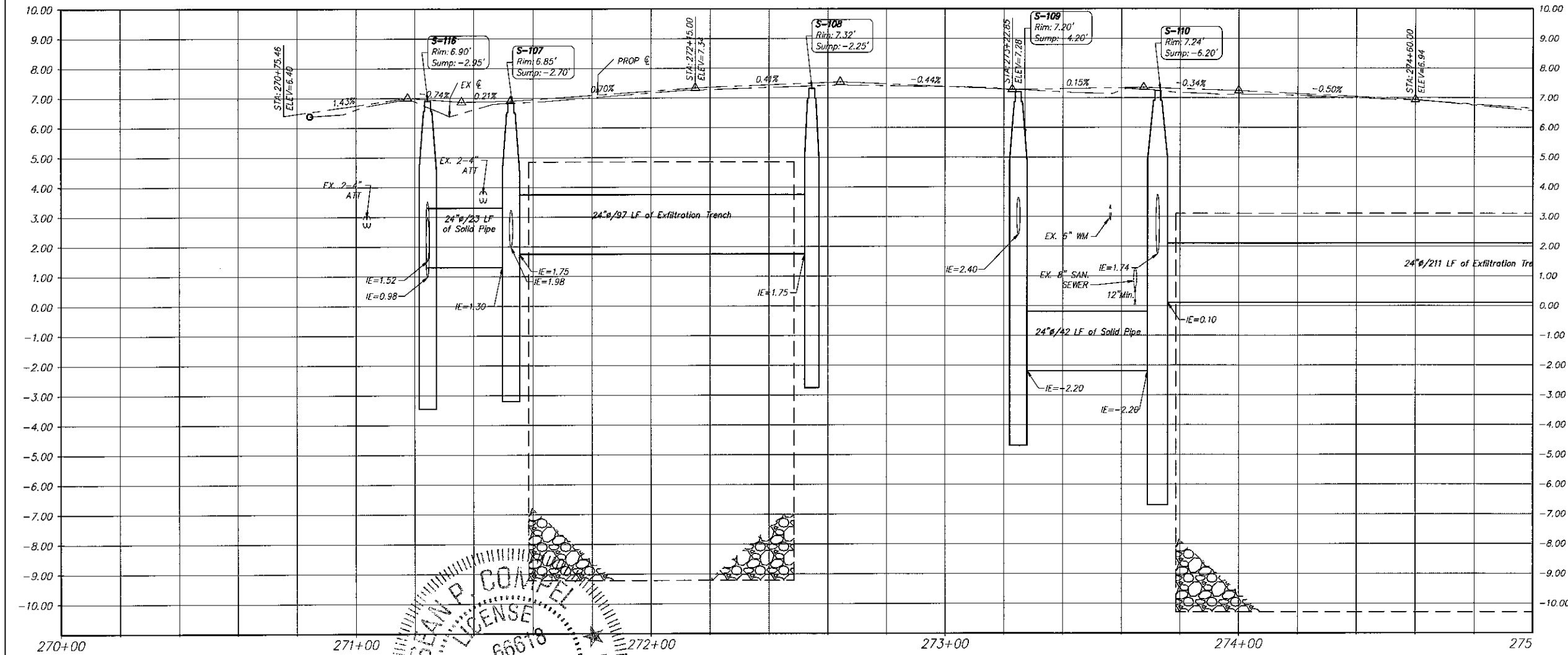
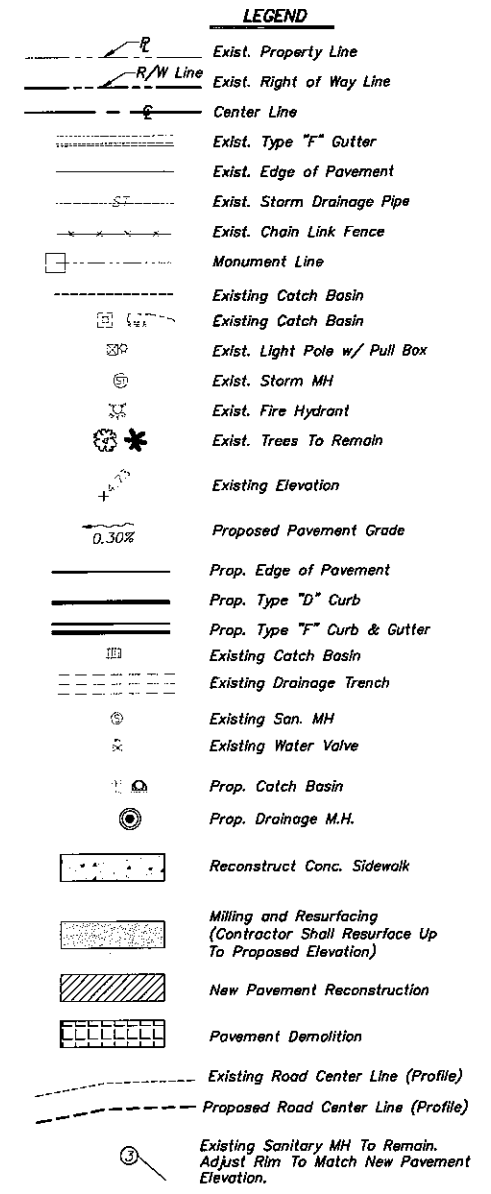
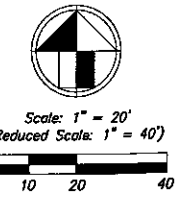
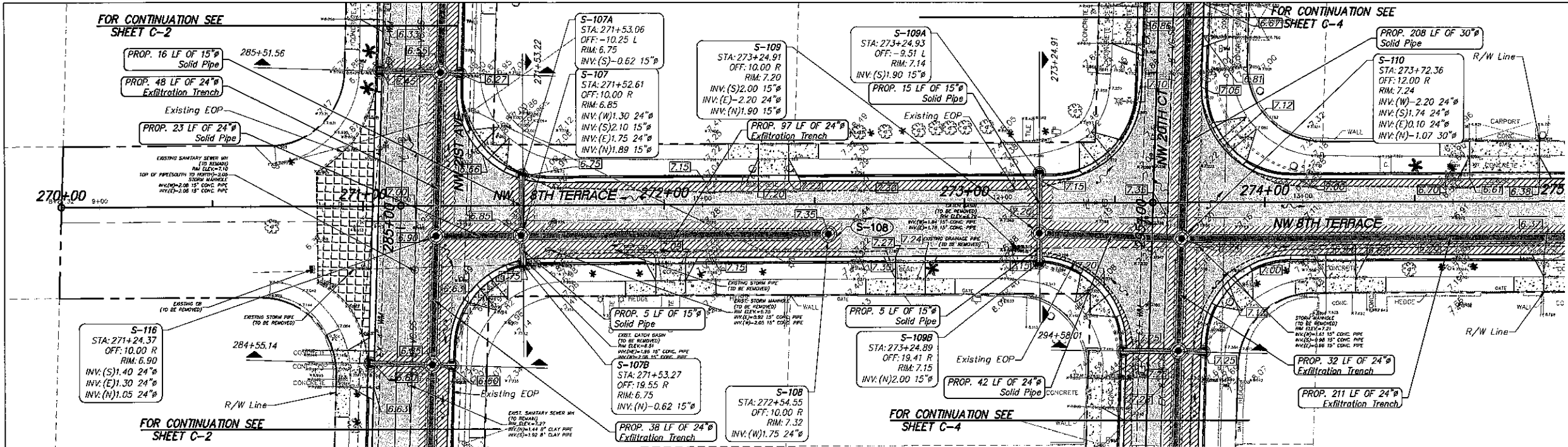


**DRAINAGE PLAN AND PROFILE**

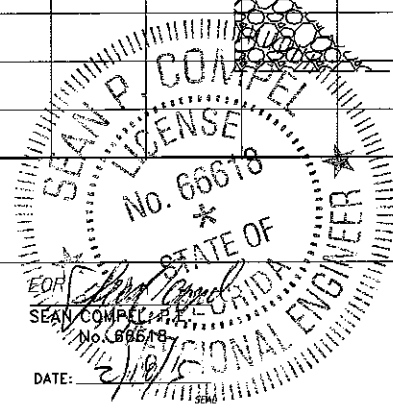
SHEET NO.  
**C-8**

FOR CONTINUATION SEE SHEET C-2

FOR CONTINUATION SEE SHEET C-4



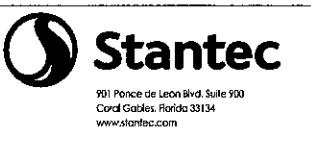
- NOTES:**
1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
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REVISIONS	
DATE	DESCRIPTION

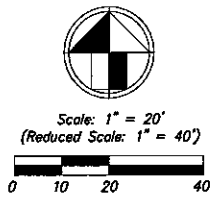
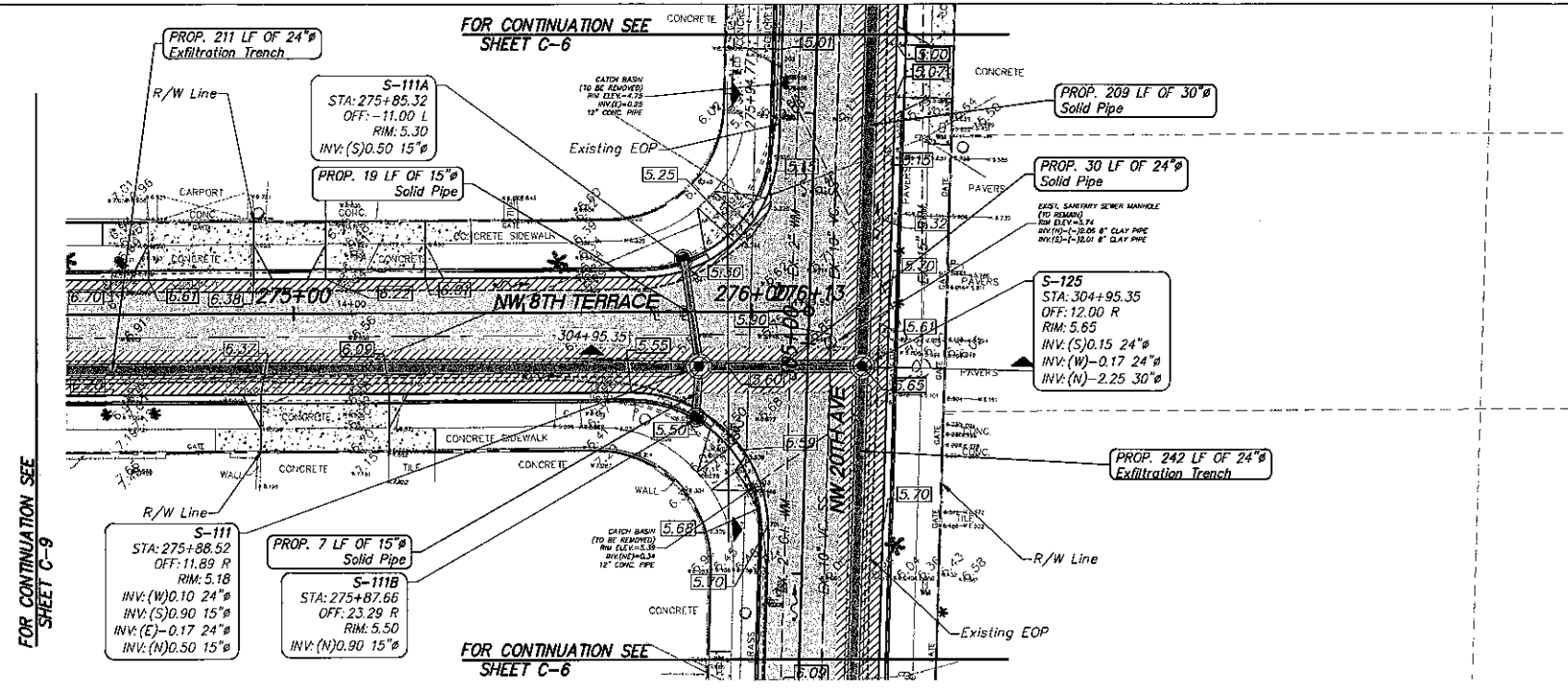
**CITY OF MIAMI**  
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**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

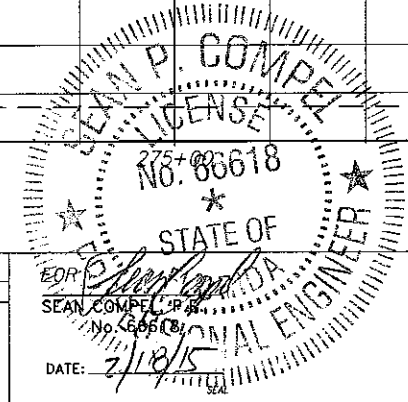
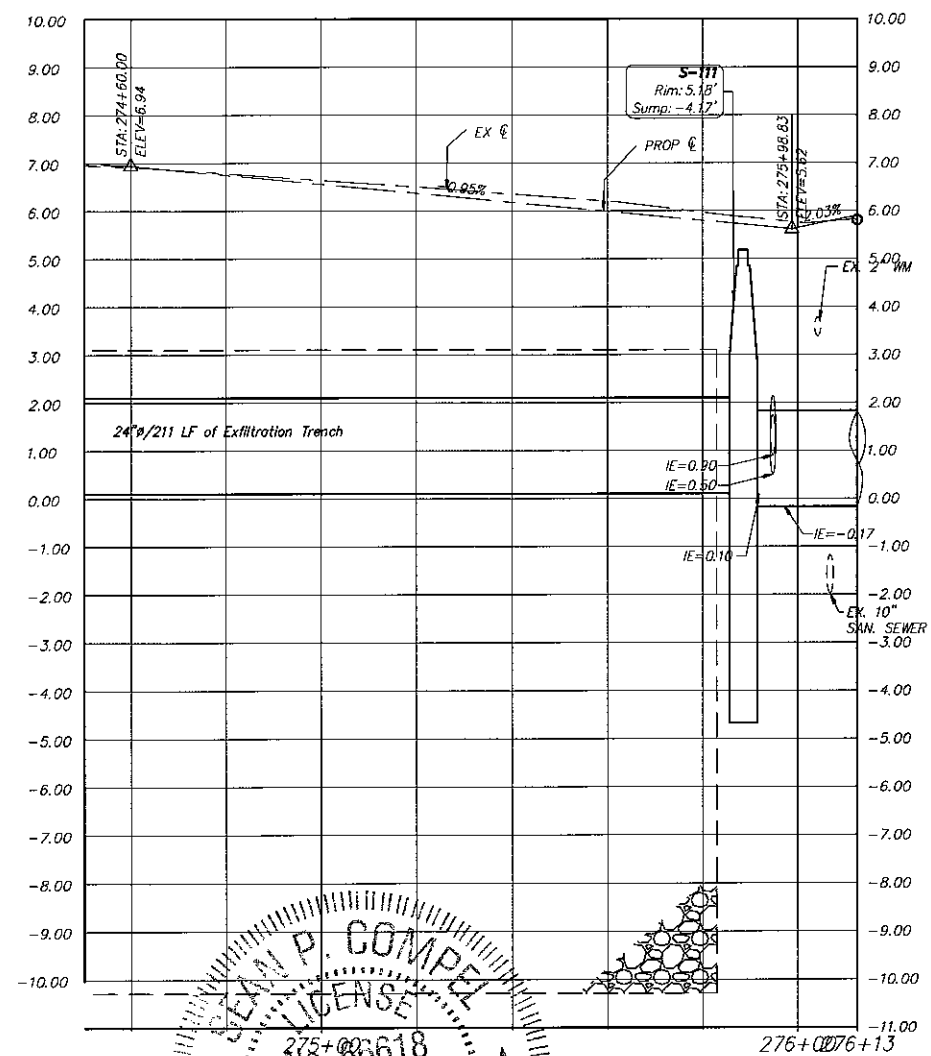


**DRAINAGE PLAN AND PROFILE**

SHEET NO.  
**C-9**



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND  
 TRANSPORTATION PROGRAM  
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**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
 PROJECT No.: **B-40347**

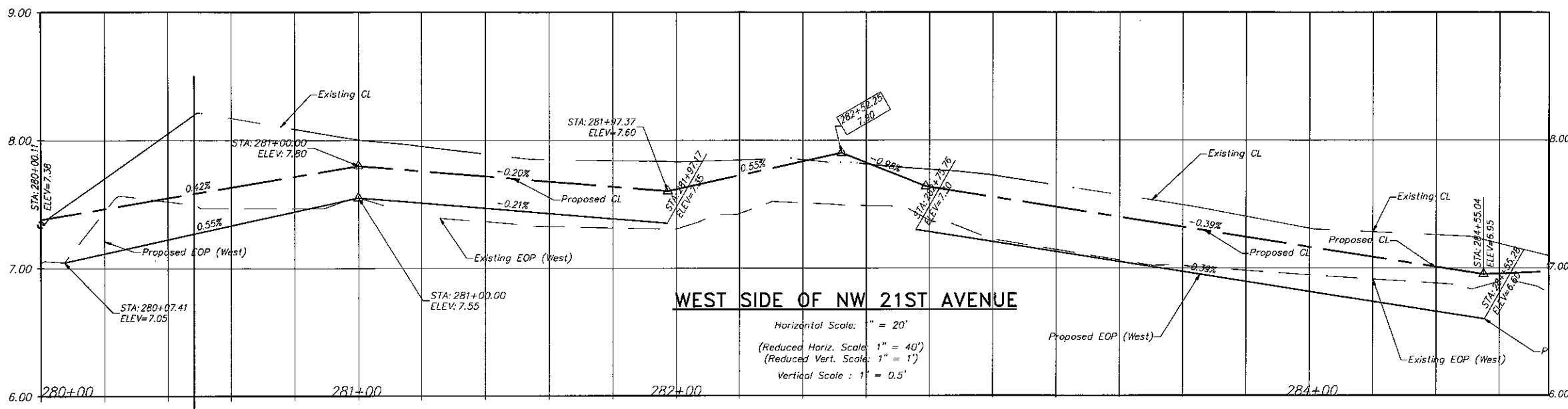


**DRAINAGE PLAN AND  
 PROFILE**

SHEET  
 NO.  
**C-10**

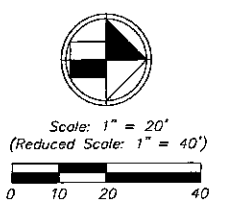
REVISIONS	
DATE	DESCRIPTION

- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.
  - ALL ADA RAMPS ARE AS PER FDOT INDEX 304
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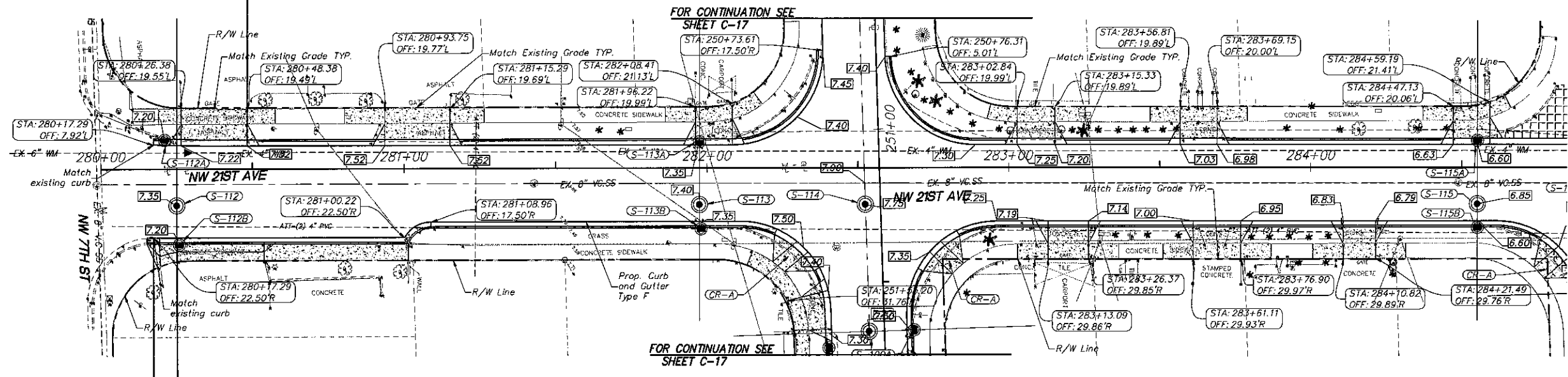


**WEST SIDE OF NW 21ST AVENUE**

Horizontal Scale: 1" = 20'  
 (Reduced Horiz. Scale: 1" = 40')  
 Vertical Scale: 1" = 0.5'

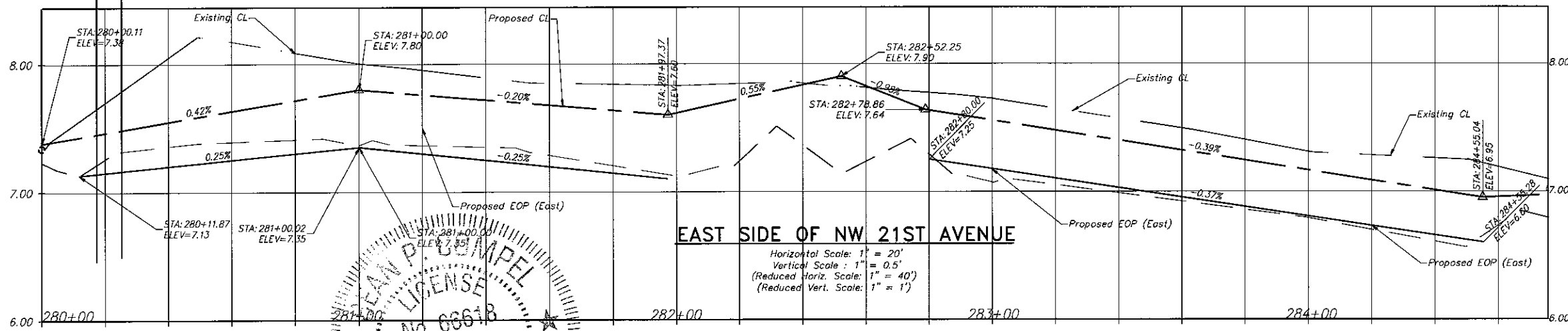


- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Existing Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304



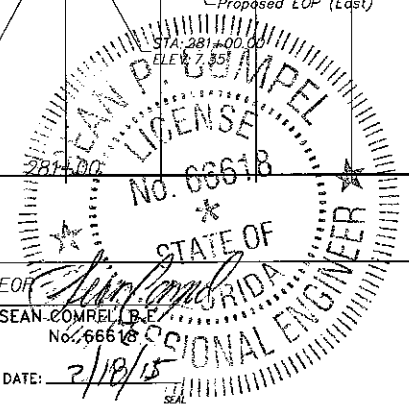
FOR CONTINUATION SEE SHEET C-17

FOR CONTINUATION SEE SHEET C-17



**EAST SIDE OF NW 21ST AVENUE**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



REVISIONS	
DATE	DESCRIPTION

FOR CONTINUATION SEE SHEET C-17  
 SEAN COMPEL  
 No. 66618  
 DATE: 2/18/15



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT NO.: B-40347

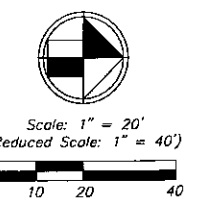
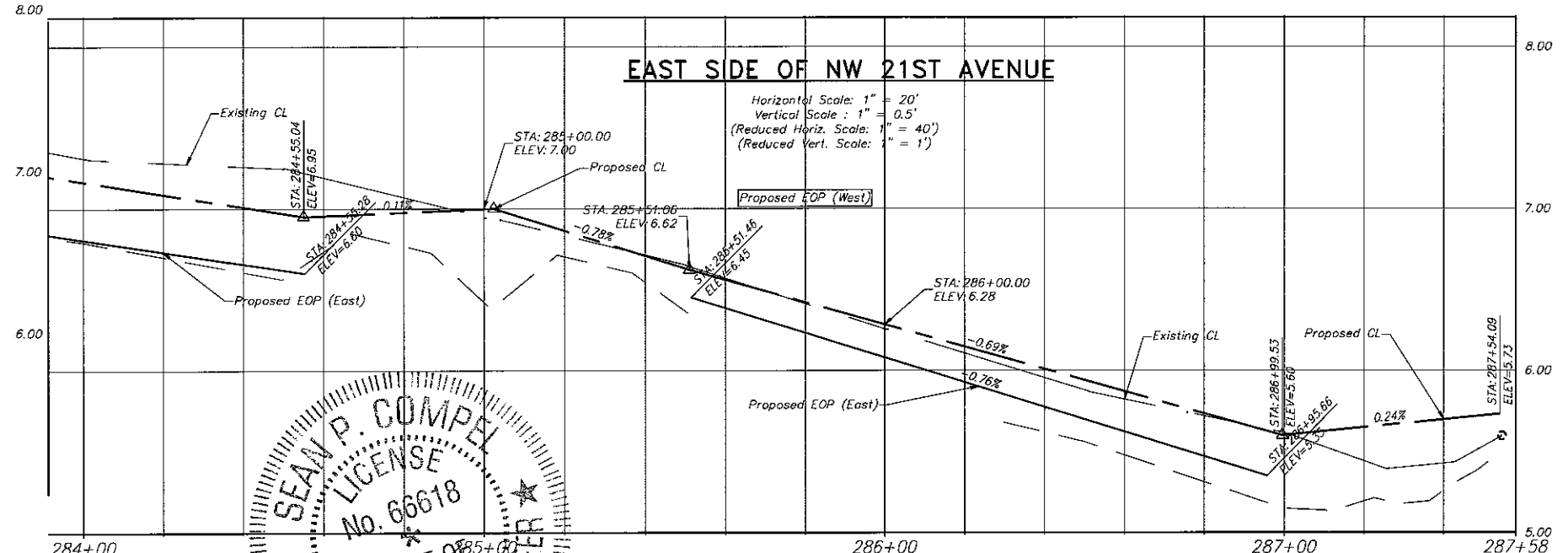
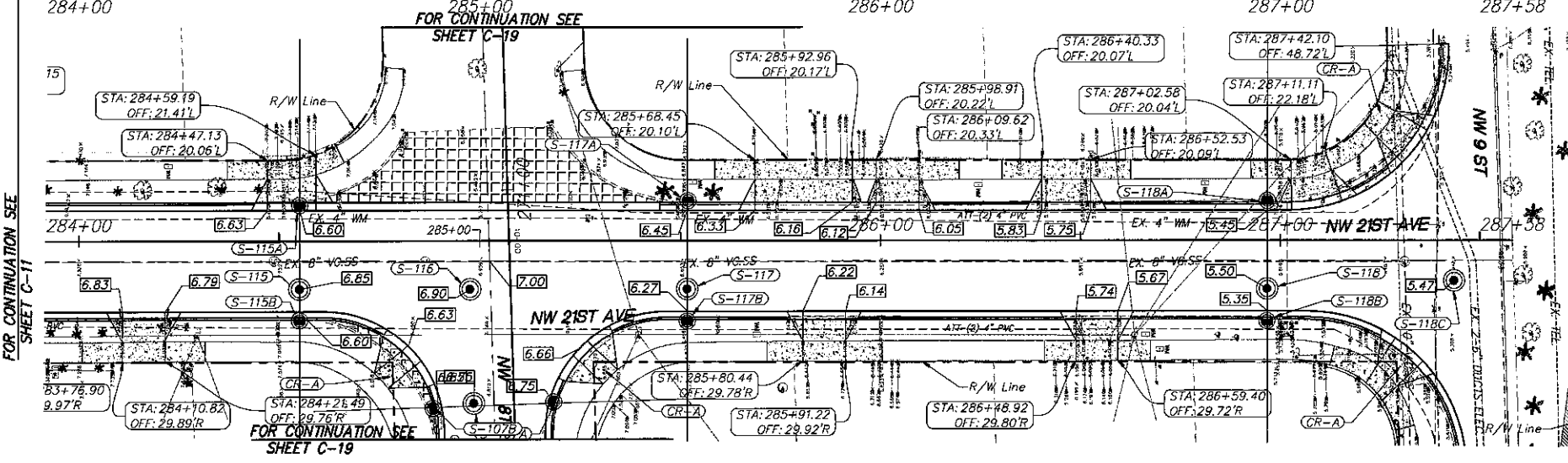
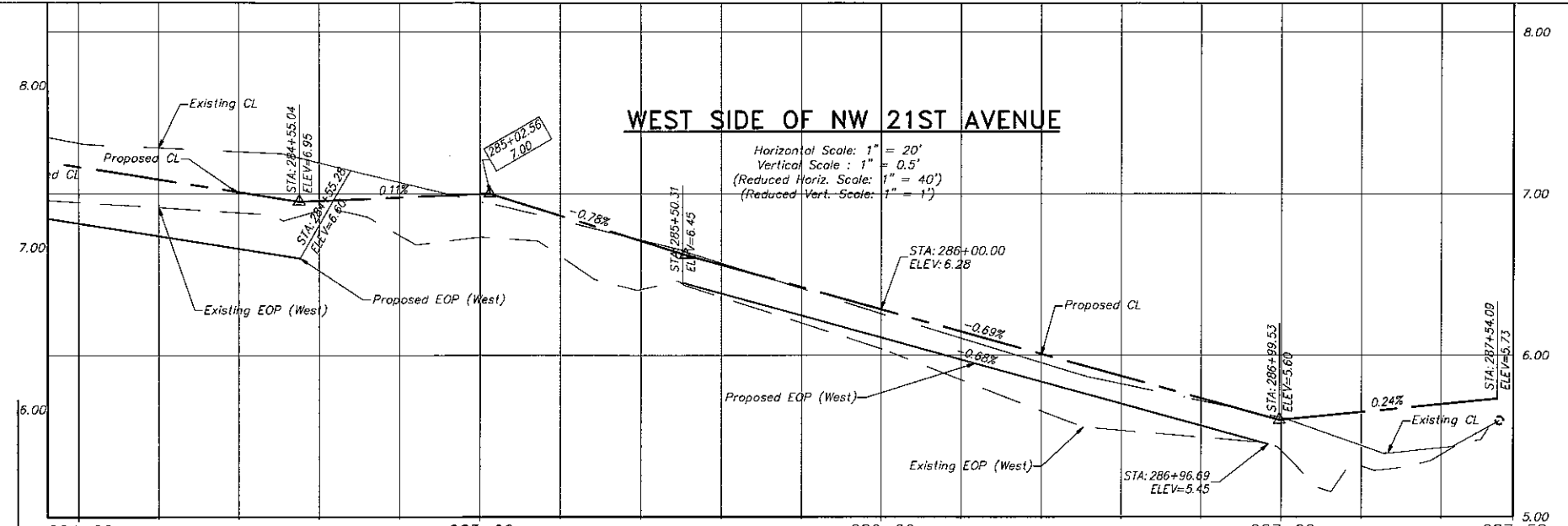


**SPECIAL PROFILE**

SHEET NO.  
**C-11**

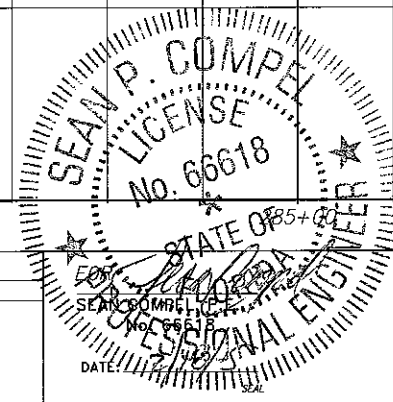
- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.





- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain. Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304

- NOTES:**
1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.



REVISIONS	
DATE	DESCRIPTION

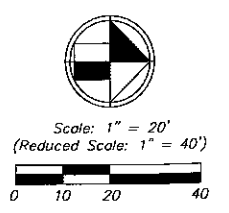
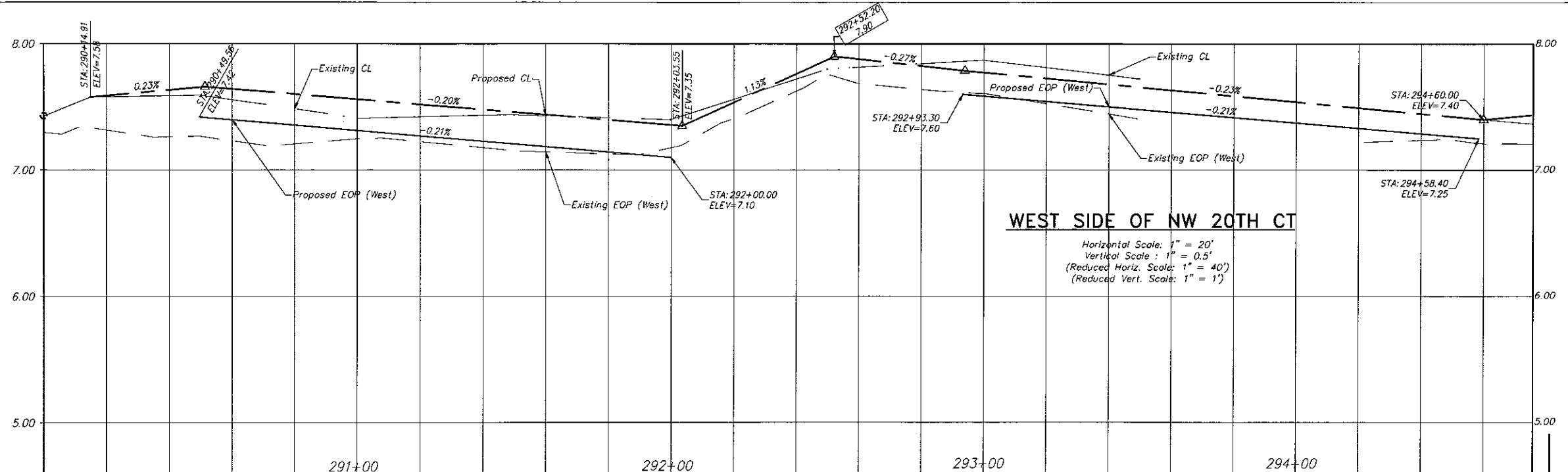
**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

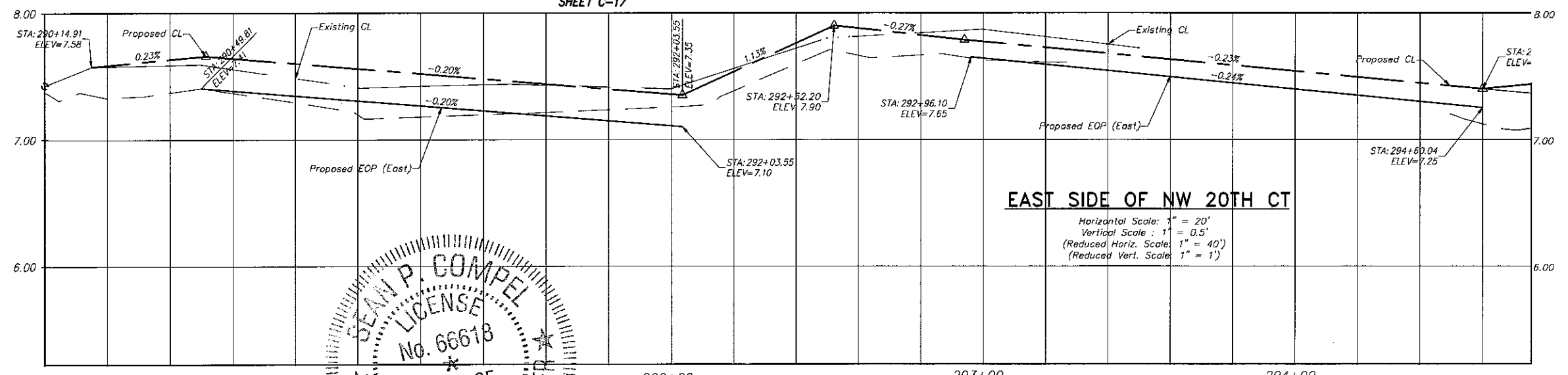
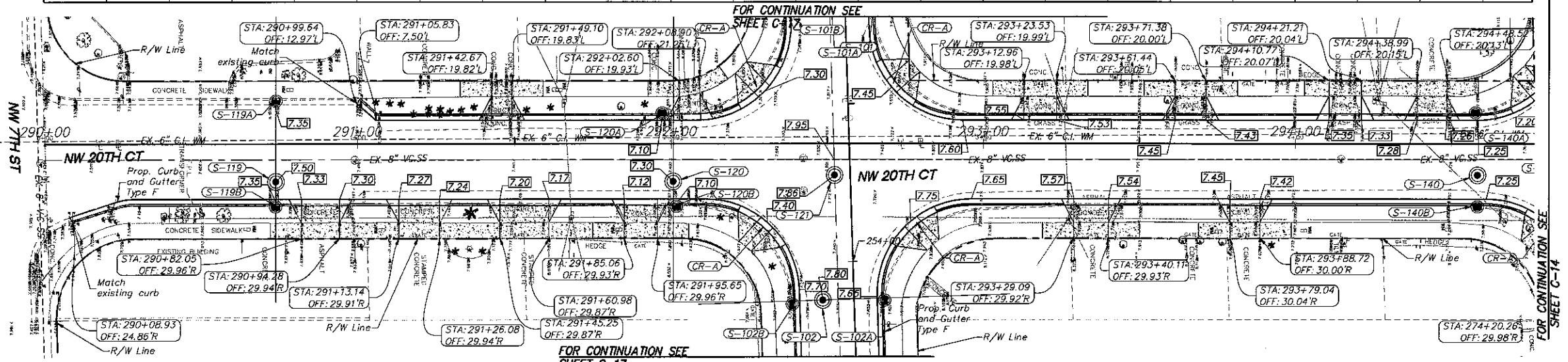


**SPECIAL PROFILE**

SHEET NO. **C-12**



- LEGEND**
- Existing Property Line
  - Existing Right of Way Line
  - Center Line
  - Existing Type "F" Gutter
  - Existing Edge of Pavement
  - Existing Storm Drainage Pipe
  - Existing Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Existing Light Pole w/ Pull Box
  - Existing Storm MH
  - Existing Fire Hydrant
  - Existing Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain. Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304



- NOTES:**
1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.

**SEAN P. COMPEL**  
 LICENSE  
 No. 66618  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

**Stantec**  
 991 Ponce de Leon Blvd, Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

SPECIAL PROFILE

SHEET NO.  
**C-13**

REVISIONS	
DATE	DESCRIPTION

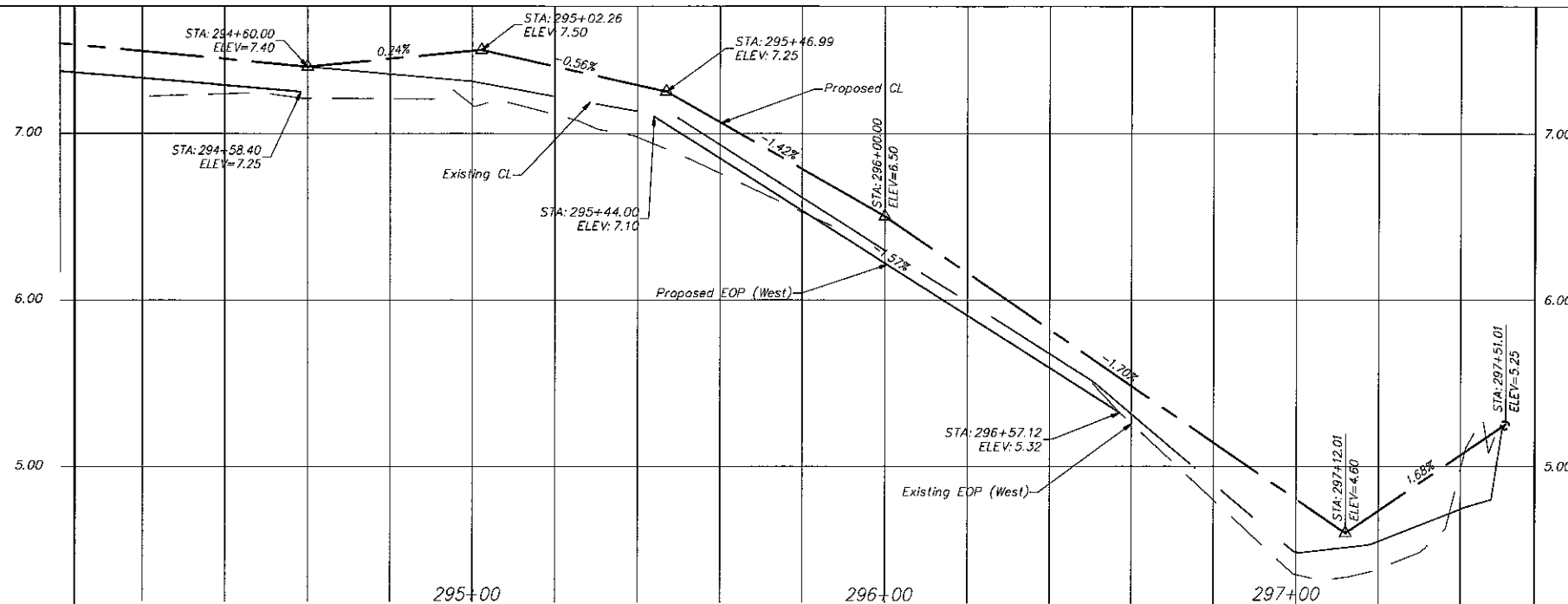


Scale: 1" = 20'  
(Reduced Scale: 1" = 40')



### WEST SIDE OF NW 20TH CT

Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 0.5'  
(Reduced Horiz. Scale: 1" = 40')  
(Reduced Vert. Scale: 1" = 1')

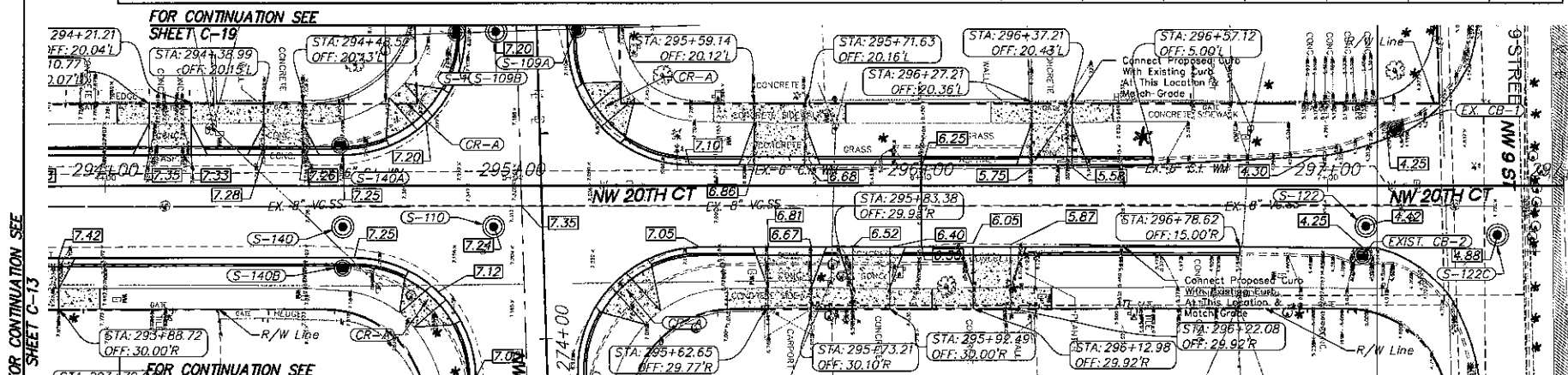
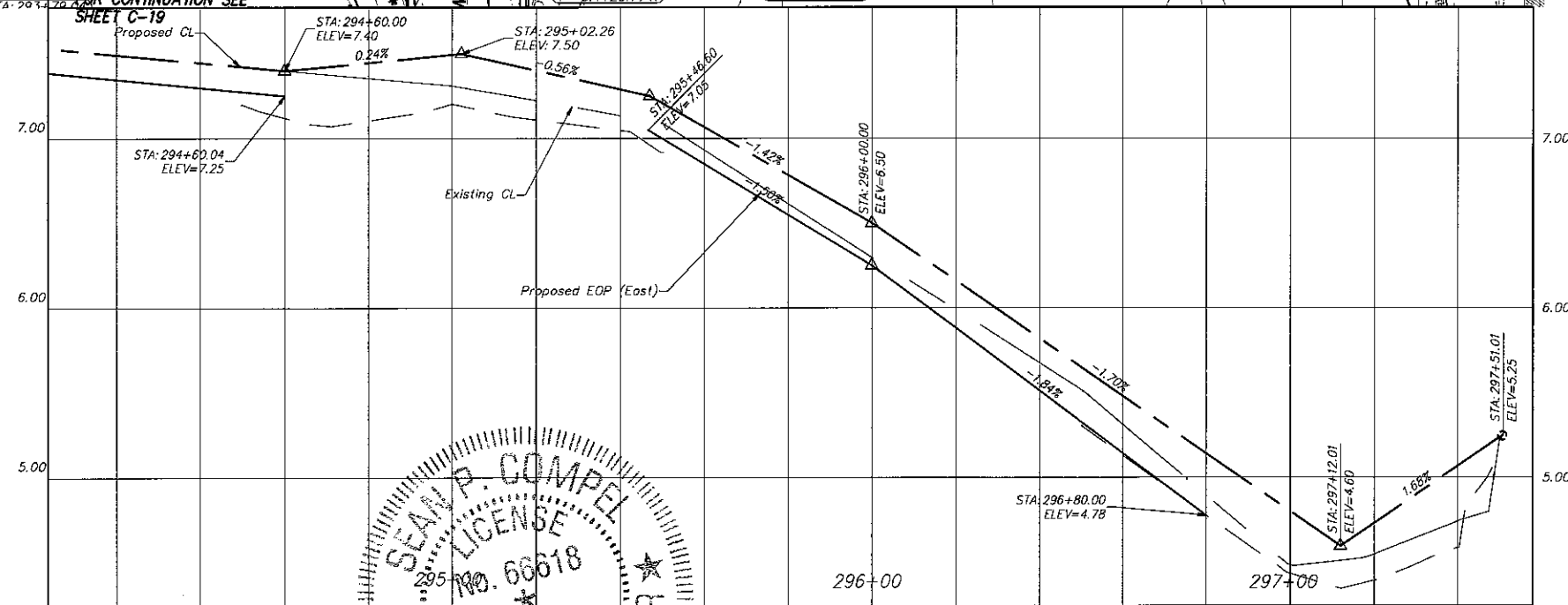


#### LEGEND

- Exist. Property Line
- Exist. Right of Way Line
- Center Line
- Exist. Type "F" Gutter
- Exist. Edge of Pavement
- Exist. Storm Drainage Pipe
- Exist. Chain Link Fence
- Monument Line
- Existing Catch Basin
- Existing Catch Basin
- Exist. Light Pole w/ Pull Box
- Exist. Storm MH
- Exist. Fire Hydrant
- Exist. Trees To Remain
- Existing Elevation
- Proposed Pavement Grade
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "F" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
- Prop. Drainage M.H.
- Reconstruct Conc. Sidewalk
- Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition
- Existing Road Center Line (Profile)
- Proposed Road Center Line (Profile)
- Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.
- Sidewalk Ramps as per FDOT standard index 304

### EAST SIDE OF NW 20TH CT

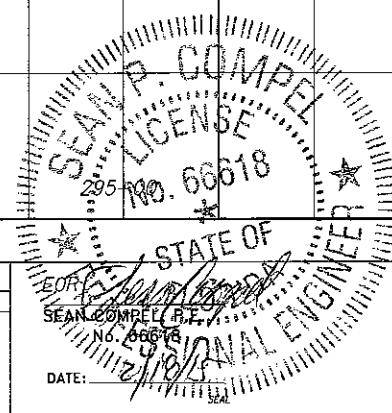
Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 0.5'  
(Reduced Horiz. Scale: 1" = 40')  
(Reduced Vert. Scale: 1" = 1')



FOR CONTINUATION SEE SHEET C-13

FOR CONTINUATION SEE SHEET C-19

FOR CONTINUATION SEE SHEET C-19



**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347

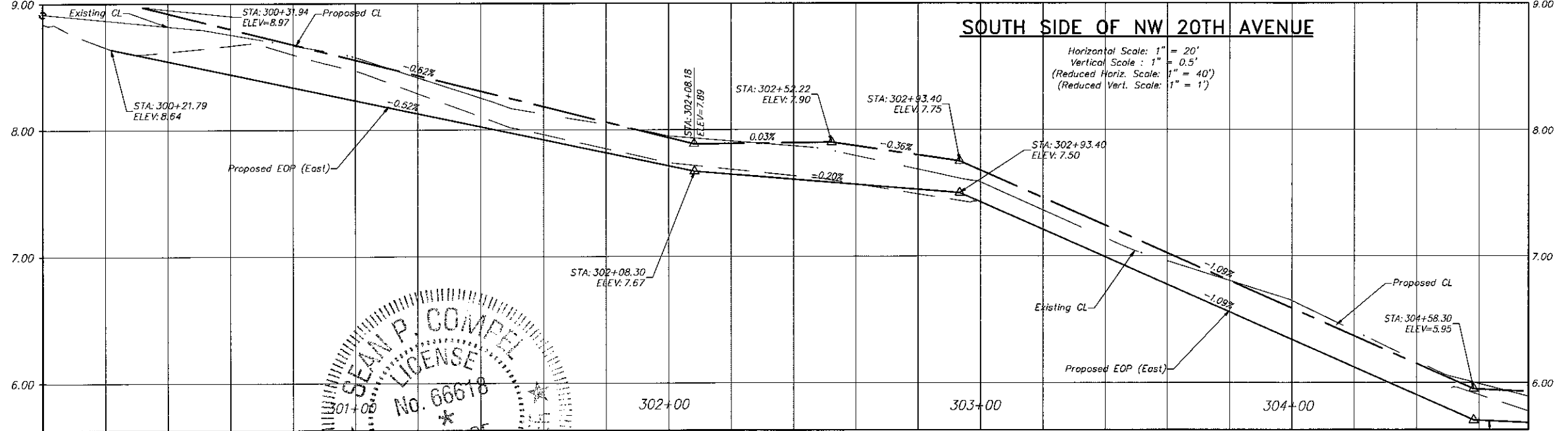
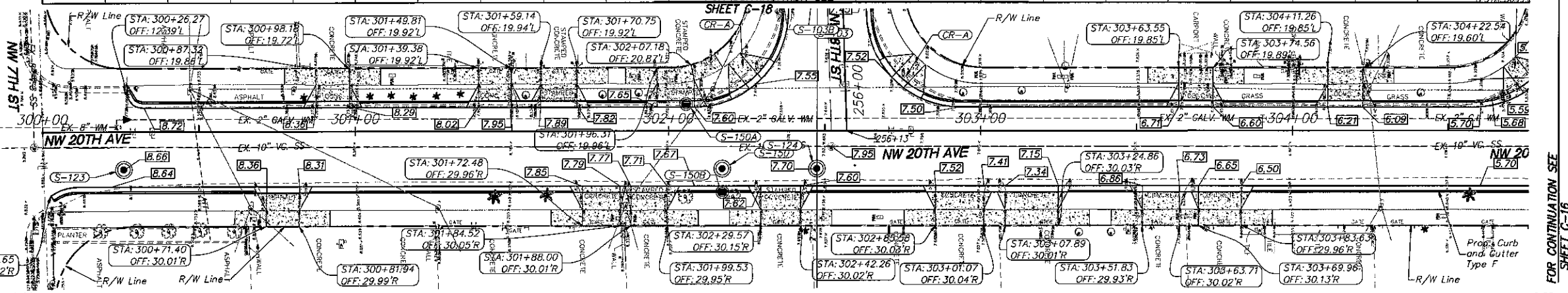
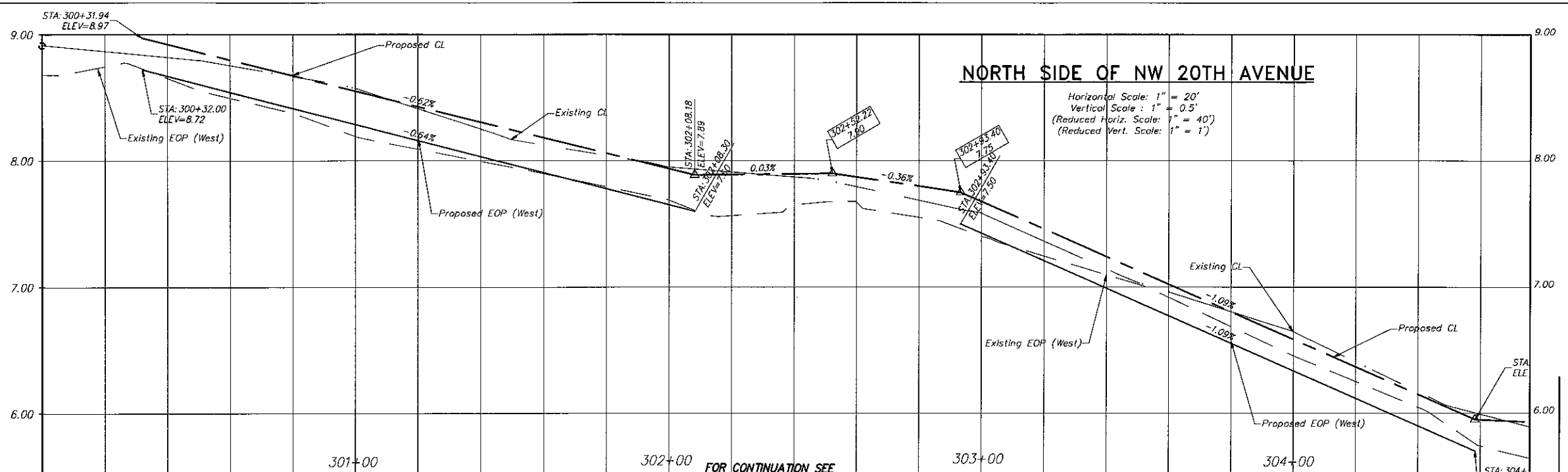


SPECIAL PROFILE

SHEET NO.  
**C-14**

REVISIONS	
DATE	DESCRIPTION

- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain  
Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304

- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.

SEAN P. COMPEL  
 LICENSE No. 66618  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 DATE: 2/10/15

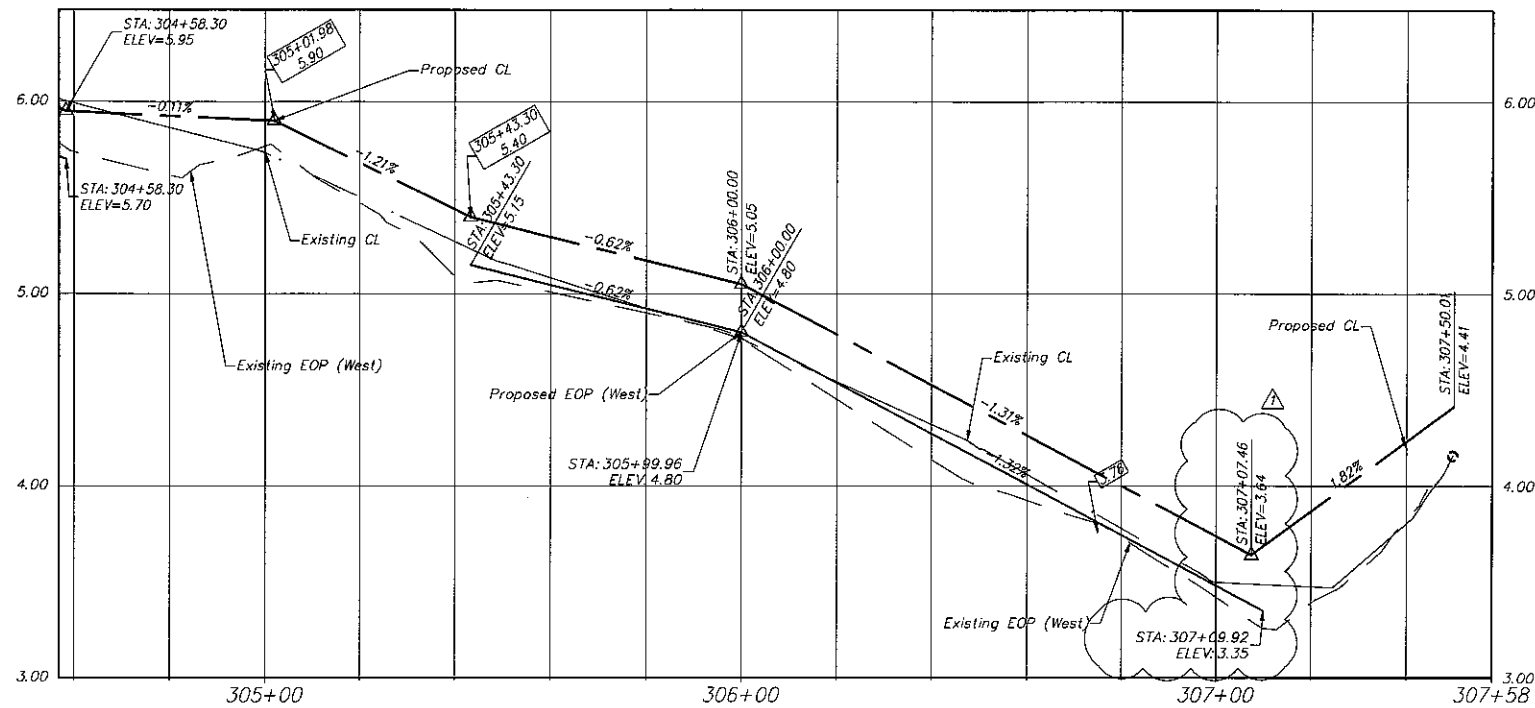
REVISIONS	
DATE	DESCRIPTION

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

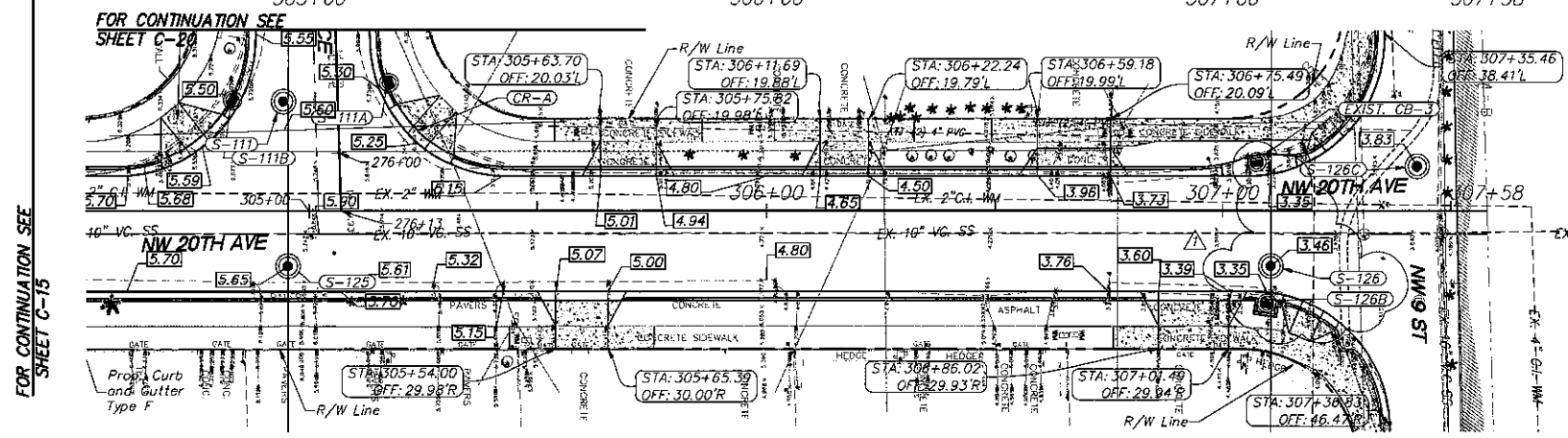
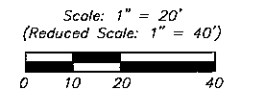
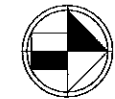
**Stantec**  
 901 Ponce de Leon Blvd, Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

**SPECIAL PROFILE**  
 SHEET No. **C-15**



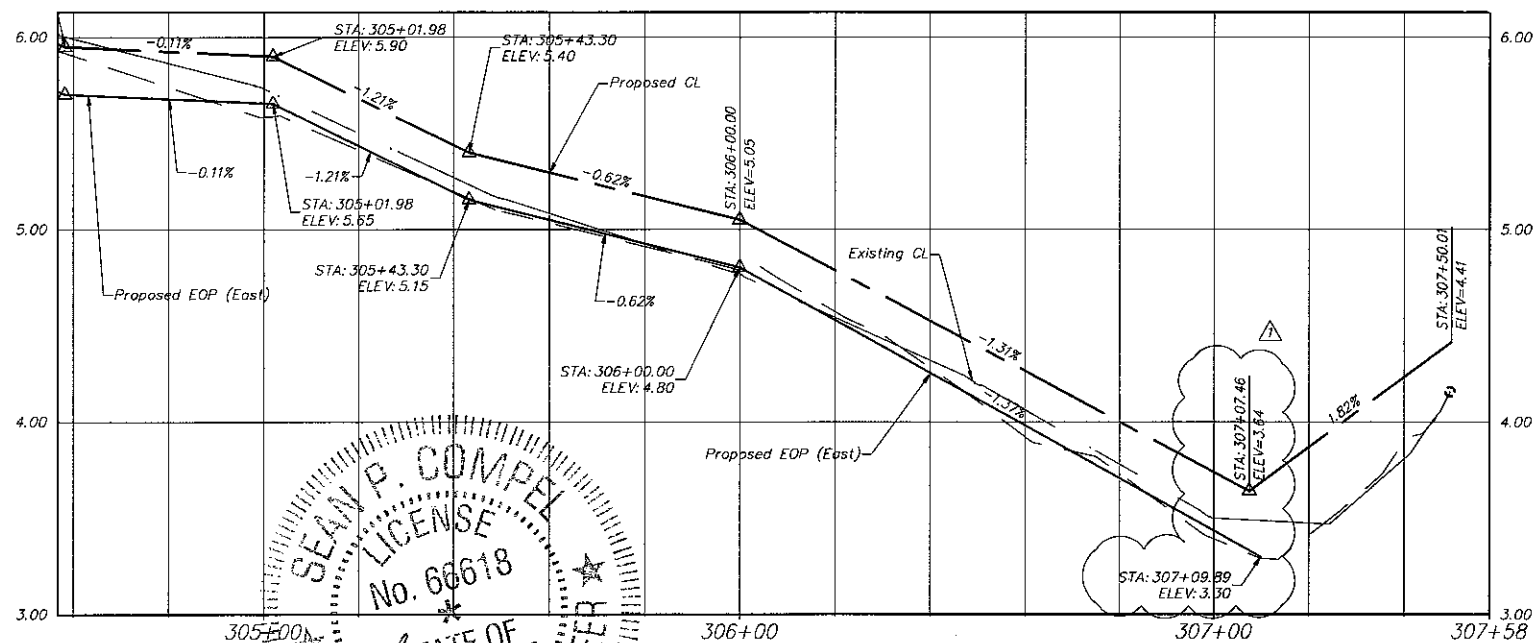
**WEST SIDE OF NW 20TH AVENUE**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



**EAST SIDE OF NW 20TH AVENUE**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



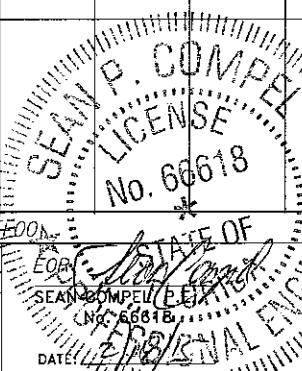
- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304

**NOTES:**

1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.

**REVISIONS**

DATE	BY	DESCRIPTION
01-23-2015	MJM	REVISION 1 - CITY OF MIAMI PUBLIC WORKS



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND  
 TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

PROJECT NAME  
**Grove Park Roadway Improvements  
 Phase 2**

PROJECT No.  
**B-40347**

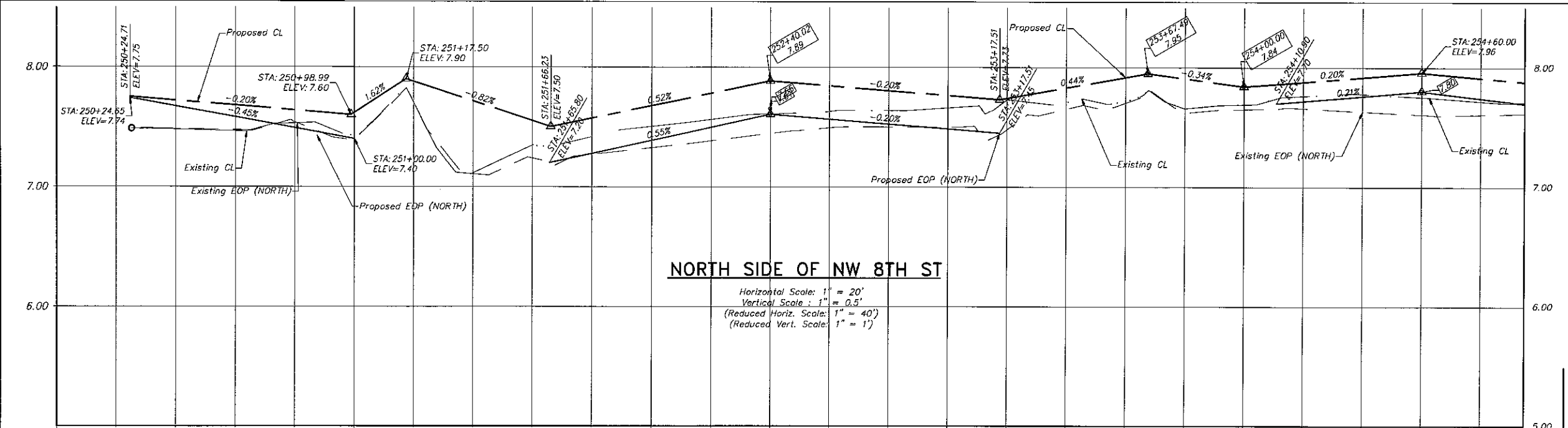


201 Ponce de Leon Blvd, Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

**SPECIAL PROFILE**

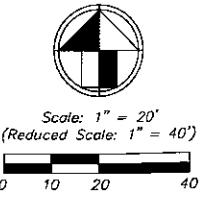
SHEET  
 NO.

**C-16**

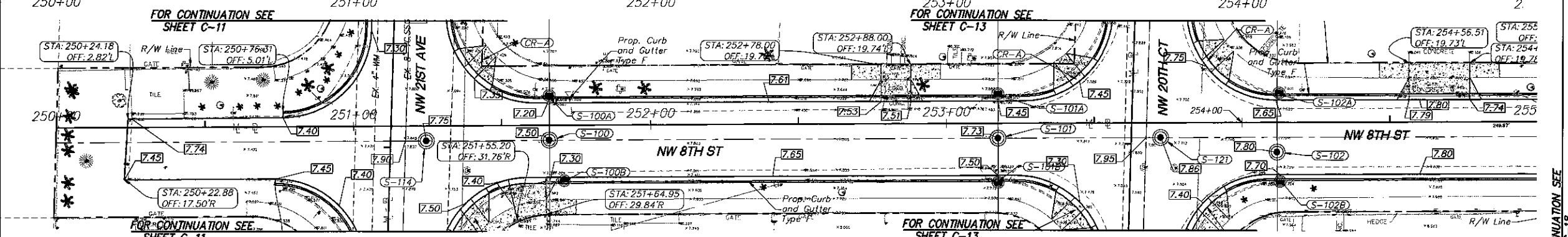


**NORTH SIDE OF NW 8TH ST**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')

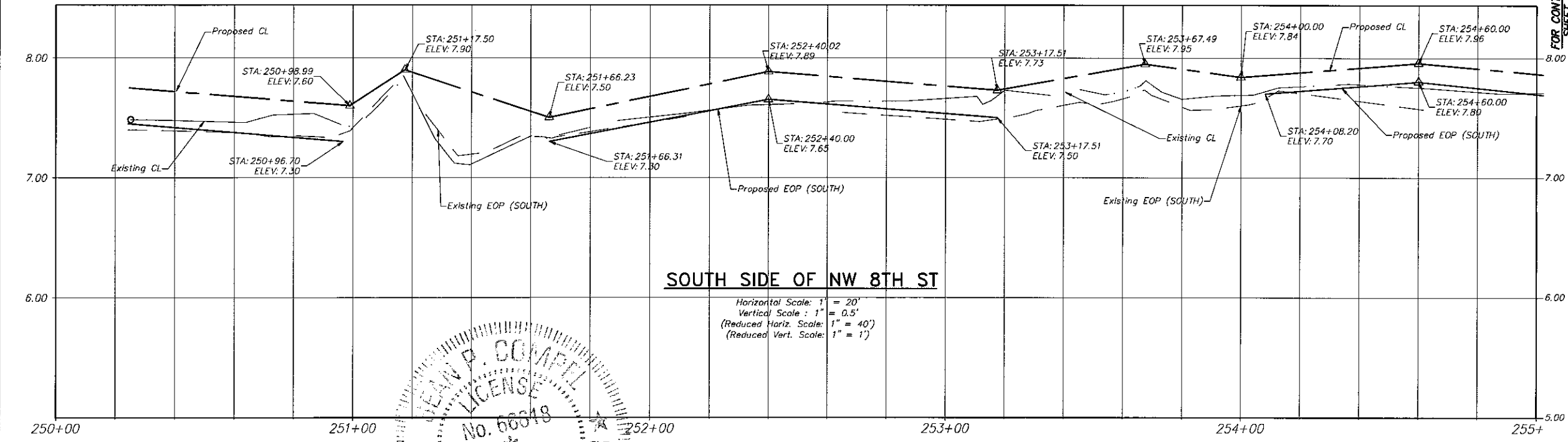


- LEGEND**
- Existing Property Line
  - Existing Right of Way Line
  - Center Line
  - Existing Type "F" Cutter
  - Existing Edge of Pavement
  - Existing Storm Drainage Pipe
  - Existing Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Existing Light Pole w/ Pull Box
  - Existing Storm MH
  - Existing Fire Hydrant
  - Existing Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain, Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304



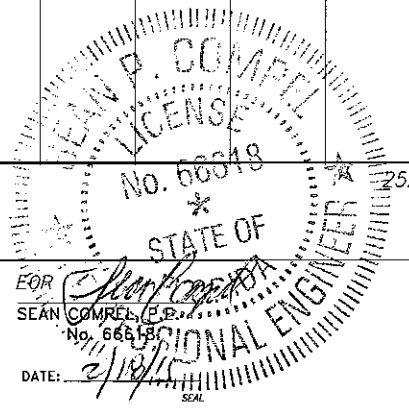
**SOUTH SIDE OF NW 8TH ST**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



- NOTES:**
1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.

REVISIONS		
DATE	BY	DESCRIPTION

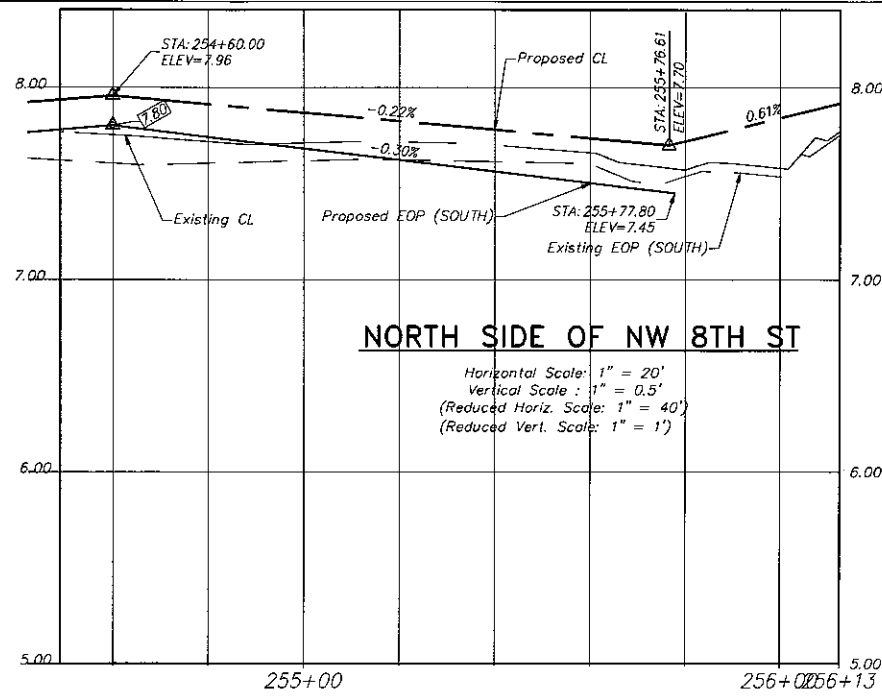


**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
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 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

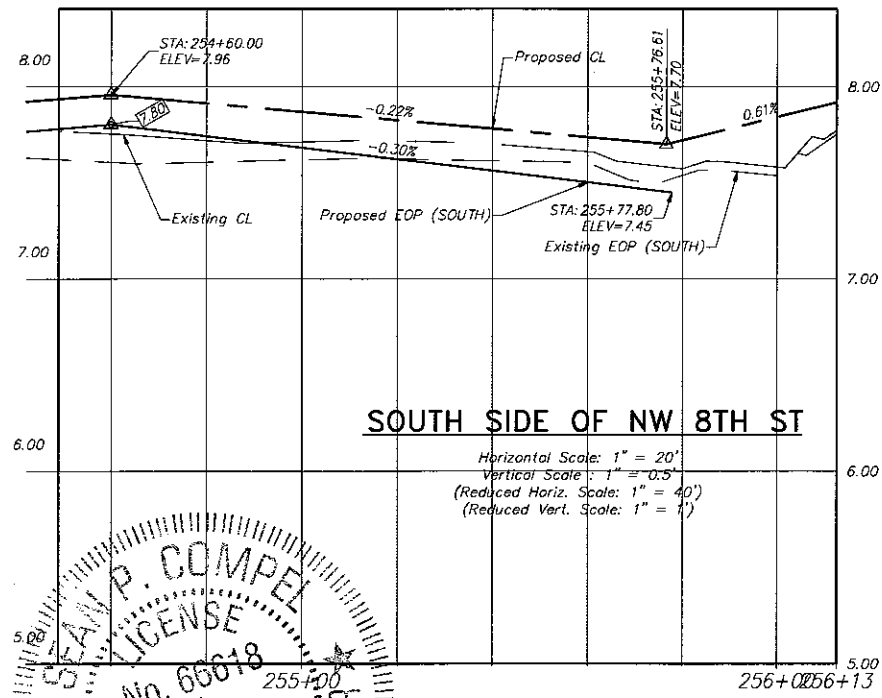
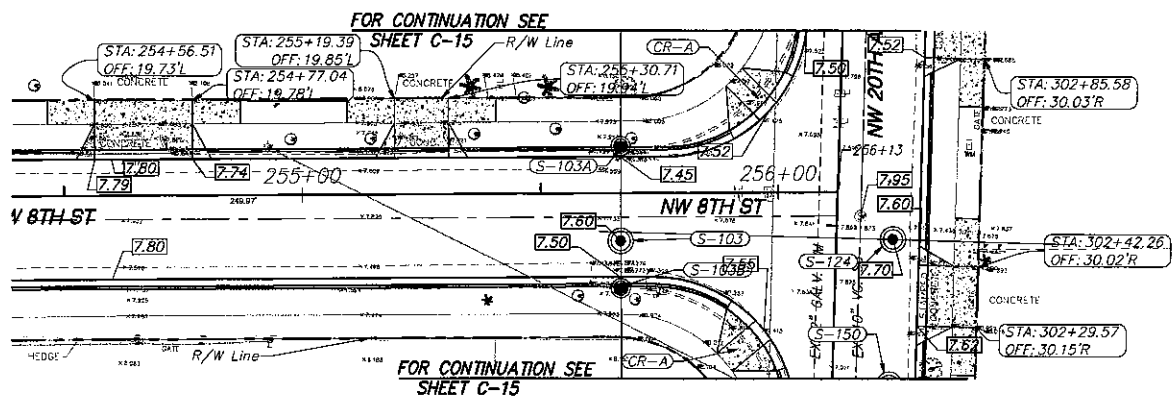
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



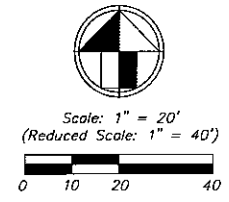
SPECIAL PROFILE	SHEET NO.
	C-17



**NORTH SIDE OF NW 8TH ST**  
 Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



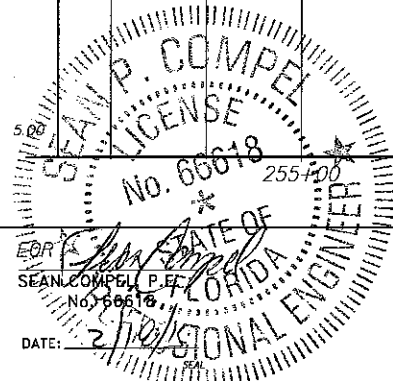
**SOUTH SIDE OF NW 8TH ST**  
 Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition
  - Existing Road Center Line (Profile)
  - Proposed Road Center Line (Profile)
  - Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.
  - Sidewalk Ramps as per FDOT standard index 304

- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.

FOR CONTINUATION SEE SHEET C-17



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
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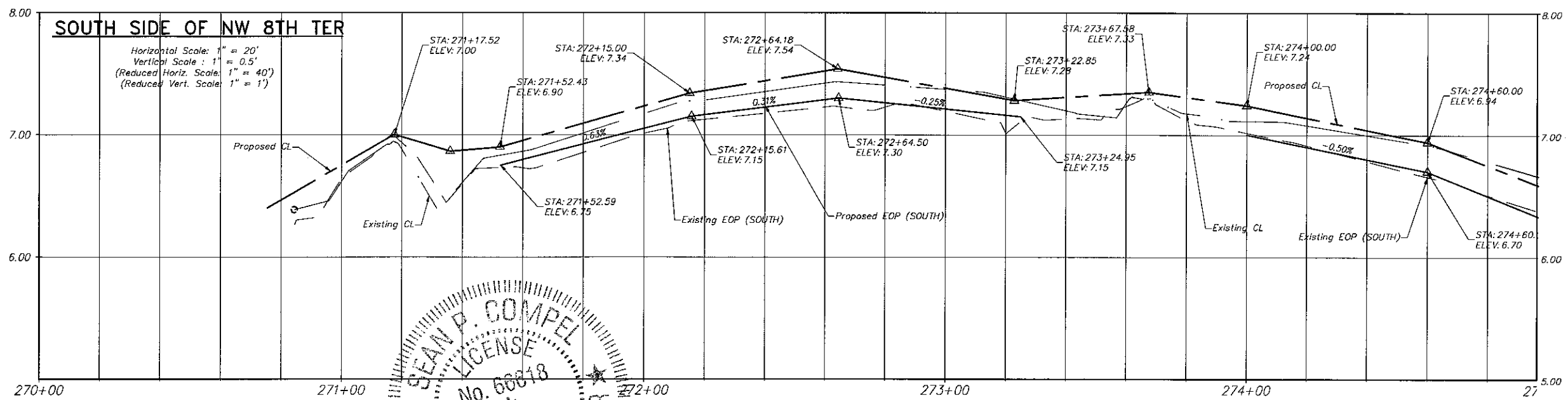
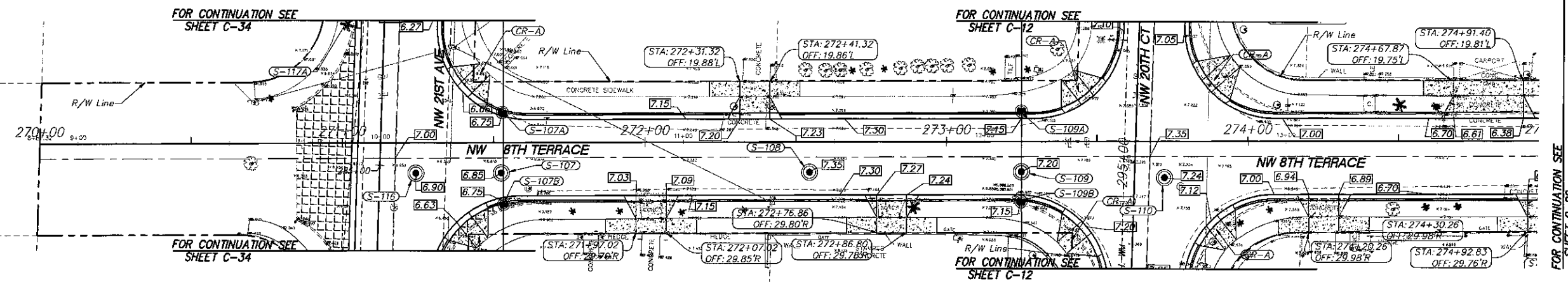
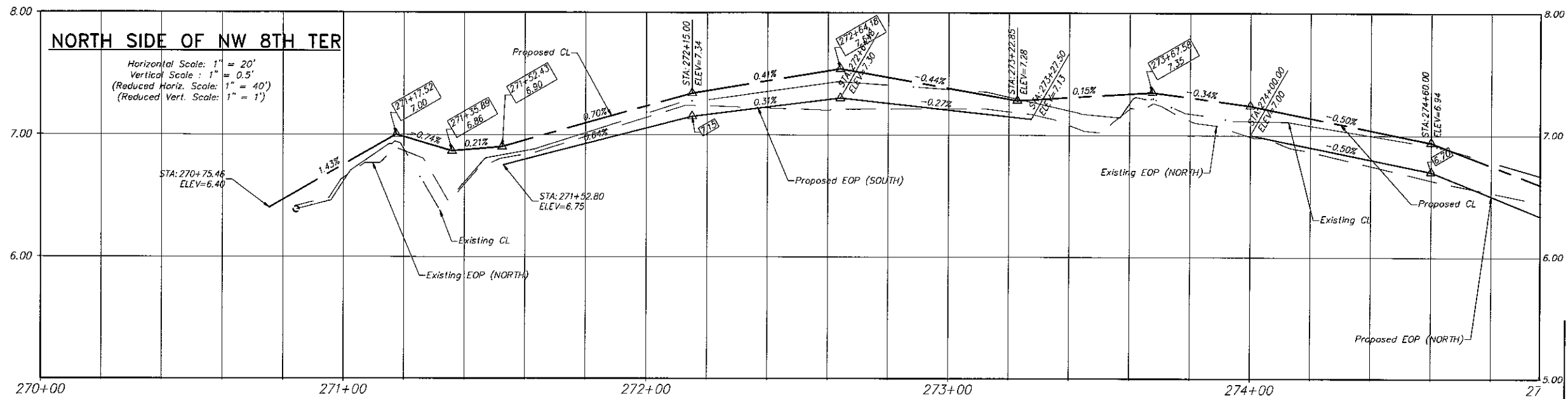
**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

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**SPECIAL PROFILE**

SHEET NO.  
**C-18**

REVISIONS		
DATE	BY	DESCRIPTION

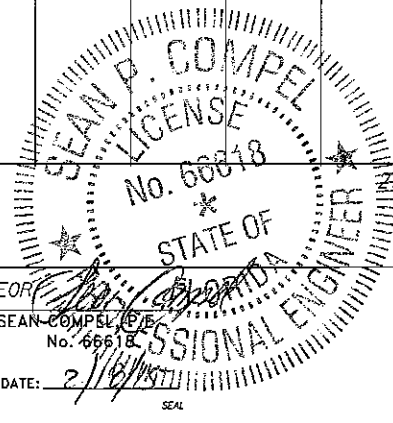


Scale: 1" = 20'  
(Reduced Scale: 1" = 40')

**LEGEND**

- Exist. Property Line
- Exist. Right of Way Line
- Center Line
- Exist. Type "T" Gutter
- Exist. Edge of Pavement
- Exist. Storm Drainage Pipe
- Exist. Chain Link Fence
- Monument Line
- Existing Catch Basin
- Existing Catch Basin
- Exist. Light Pole w/ Pull Box
- Exist. Storm MH
- Exist. Fire Hydrant
- Existing Elevation
- Proposed Pavement Grade
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "F" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
- Prop. Drainage M.H.
- Reconstruct Conc. Sidewalk
- Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition
- Existing Road Center Line (Profile)
- Proposed Road Center Line (Profile)
- Existing Sanitary MH To Remain.  
Adjust Rim To Match New Pavement Elevation.
- Sidewalk Ramps as per FDOT standard index 304

- NOTES:**
- CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.



REVISIONS		
DATE	BY	DESCRIPTION

EOR  
SEAN COMPEL  
No. 66618  
DATE: 2/16/2017  
SEAL

**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
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**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

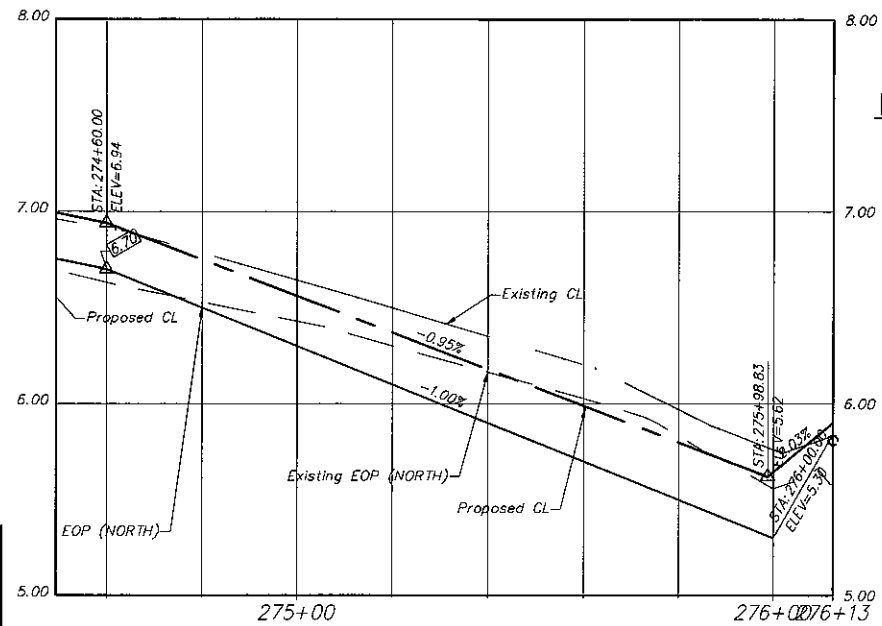
PROJECT NAME <b>Grove Park Roadway Improvements Phase 2</b>	PROJECT No. <b>B-40347</b>
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SPECIAL PROFILE

SHEET NO.  
**C-19**



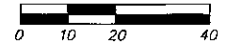


**NORTH SIDE OF NW 8TH TER**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')

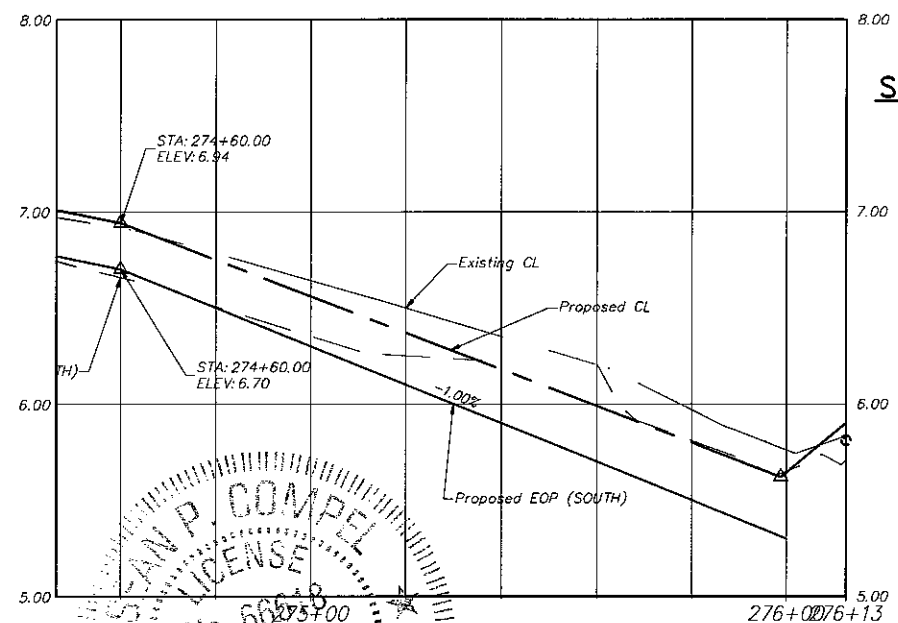
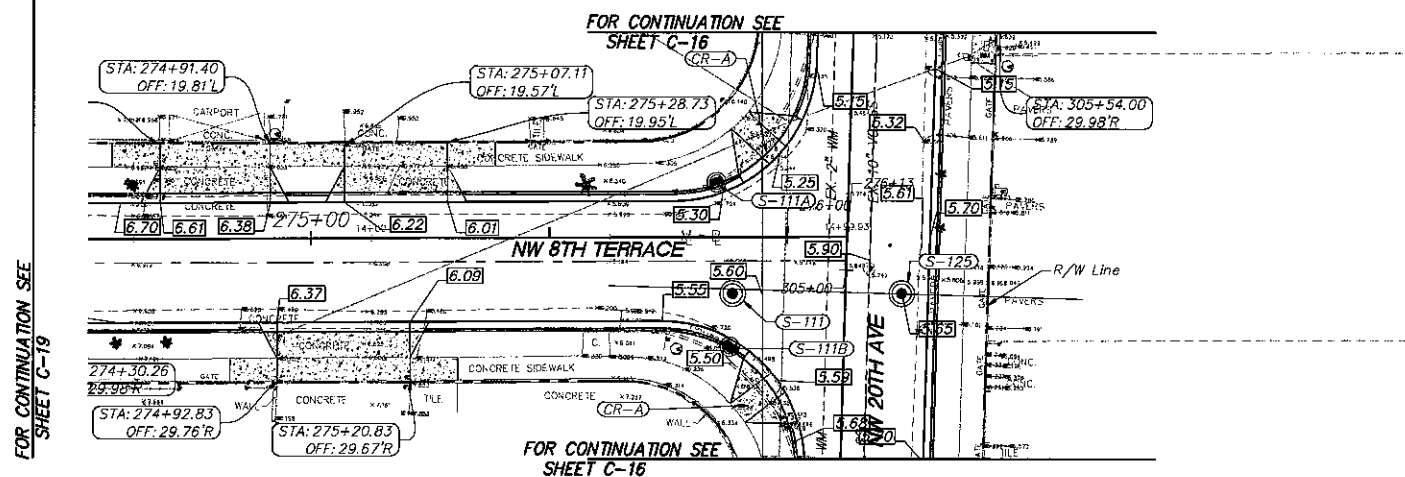


Scale: 1" = 20'  
 (Reduced Scale: 1" = 40')



**LEGEND**

- Exist. Property Line
- Exist. Right of Way Line
- Center Line
- Exist. Type "F" Gutter
- Exist. Edge of Pavement
- Exist. Storm Drainage Pipe
- Exist. Chain Link Fence
- Monument Line
- Existing Catch Basin
- Existing Catch Basin
- Exist. Light Pole w/ Pull Box
- Exist. Storm MH
- Exist. Fire Hydrant
- Exist. Trees To Remain
- Existing Elevation
- Proposed Pavement Grade
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "F" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
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- Reconstruct Conc. Sidewalk
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(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition
- Existing Road Center Line (Profile)
- Proposed Road Center Line (Profile)
- Existing Sanitary M.H. To Remain.  
Adjust Rim To Match New Pavement Elevation.
- Sidewalk Ramps as per FDOT standard index 304

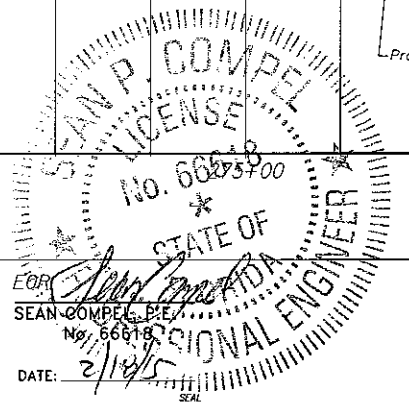


**SOUTH SIDE OF NW 8TH TER**

Horizontal Scale: 1" = 20'  
 Vertical Scale: 1" = 0.5'  
 (Reduced Horiz. Scale: 1" = 40')  
 (Reduced Vert. Scale: 1" = 1')

**NOTES:**

1. CONTRACTOR SHALL ADJUST EXISTING UTILITY STRUCTURES, VALVES, AND WATER METERS TO MATCH FINISHED PROPOSED ELEVATIONS.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITY LOCATION AND SIZES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD IF DISCREPANCIES ARE FOUND.



REVISIONS	
DATE	DESCRIPTION

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM

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 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT NO.: B-40347

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SPECIAL PROFILE

SHEET NO.  
**C-20**

SUMMARY OF DRAINAGE STRUCTURES

Structure Number	Station	Offset	Structure Type	FRAME & GRATE	Rim Elev.	Pipe Inverts	Sump Elev.	Pollution Retardant Baffle			
								N	S	E	W
S-100	251+66.10	5.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.50	(2.40) (E) (2.40) (W) (2.45) (N) (2.58) (S)	-1.60			Y	Y
S-100A	251+66.07	-9.00' L	Type "D" CB	USF 5129-6176	7.20	(2.45) (S)	0.45				
S-100B	251+71.06	19.00' R	Type "D" CB	USF 5129-6176	7.30	(2.55) (N)	0.55				
S-101	253+17.51	5.00' R	Per City of Miami 35-86-8	USF 310-GR	7.73	(2.40) (W) (2.75) (S) (2.70) (N)	-1.60				Y
S-101A	253+17.49	-9.04' L	Type "D" CB	USF 5129-6176	7.45	(2.70) (S)	0.70				
S-101B	253+17.56	19.11' R	Type "D" CB	USF 5129-6176	7.50	(2.75) (N)	0.75				
S-102	254+11.93	10.00' R	Per City of Miami 35-86-8	USF 310-GR	7.80	(2.50) (E) (2.95) (N) (2.95) (S)	-1.50				Y
S-102A	254+12.59	-8.99' L	Type "D" CB	USF 5129-6176	7.70	(2.95) (S)	0.95				
S-102B	254+12.96	19.16' R	Type "D" CB	USF 5129-6176	7.70	(2.95) (N)	0.95				
S-103	255+66.84	10.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.60	(2.50) (W) (2.75) (S) (2.70) (N) (0.50) (E)	-3.50				Y
S-103A	255+66.85	-9.08' L	Type "D" CB	USF 5129-6176	7.45	(2.70) (S)	0.70				
S-103B	255+66.83	19.13' R	Type "D" CB	USF 5129-6176	7.50	(2.75) (N)	0.75				
S-107	271+52.61	10.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	6.85	(1.30) (W) (1.75) (E) (2.10) (S) (1.89) (N)	-2.70				
S-107A	271+53.06	-10.25' L	Type "D" CB	USF 5129-6176	6.75	(-0.62) (S)	-2.62				
S-107B	271+53.27	19.35' R	Type "D" CB	USF 5129-6176	6.75	(-0.62) (W)	-2.62				
S-108	272+54.55	10.00' R	Per City of Miami 35-86-8	USF 310-GR	7.32	(1.75) (W)	-2.25				
S-109	273+24.91	10.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.20	(-2.20) (E) (2.00) (S) (1.90) (N)	-4.20				
S-109A	273+24.93	-9.51' L	Type "D" CB	USF 5129-6176	7.14	(1.90) (S)	-0.10				
S-109B	273+24.89	19.41' R	Type "D" CB	USF 5129-6176	7.15	(2.00) (N)	0.00				
S-110	273+72.36	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.24	(-2.20) (W) (0.10) (E) (1.74) (S) (-1.07) (N)	-6.20			Y	Y
S-111	275+88.52	11.89' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	5.18	(0.10) (W) (-0.17) (E) (0.90) (S) (0.50) (N)	-4.17				Y
S-111A	275+85.32	-11.00' L	Type "D" CB	USF 5129-6176	5.30	(0.50) (S)	-1.50				
S-111B	275+87.66	23.29' R	Type "D" CB	USF 5129-6176	5.50	(0.90) (N)	-1.10				
S-112	280+25.00	12.00' R	Per City of Miami 35-86-8	USF 310-GR	7.58	(2.50) (N) (2.15) (W) (2.30) (E)	-1.85			Y	
S-112A	280+21.02	-9.87' L	Type "D" CB	USF 5129-6176	7.20	(2.15) (E)	0.15				
S-112B	280+25.81	24.10' R	Type "D" CB	USF 4700-6223	7.20	(2.30) (W)	-0.70				
S-113	281+97.54	12.00' R	Per City of Miami 35-86-8	USF 310-GR	7.40	(0.66) (S) (0.66) (W) (2.60) (E) (2.50) (N)	-3.34			Y	Y
S-113A	281+97.54	-9.00' L	Type "D" CB	USF 4700-6223	7.35	(0.66) (E)	-1.34				
S-113B	281+98.09	19.10' R	Type "D" CB	USF 5129-6176	7.35	(2.60) (W)	0.60				
S-114	282+52.47	12.01' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR		(2.40) (E) (1.35) (N) (2.50) (S)	-2.65				Inverted
S-115	284+55.14	12.01' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR		(1.35) (S) (1.40) (N) (+0.81) (W) (2.29) (E)	-4.81				
S-115A	284+55.14	-9.23' L	Type "D" CB	USF 4700-6223	6.60	(-0.81) (E)	-2.81				
S-115B	284+55.11	19.09' R	Type "D" CB	USF 5129-6176	6.60	(2.25) (W)	-0.75				

SUMMARY OF DRAINAGE STRUCTURES

Structure Number	Station	Offset	Structure Type	FRAME & GRATE	Rim Elev.	Pipe Inverts	Sump Elev.	Pollution Retardant Baffle			
								N	S	E	W
S-116	271+24.37	10.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	6.90	(1.30) (E) (1.05) (N) (1.40) (S)	-2.95			Y	Y
S-117	285+51.56	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	6.55	(1.05) (S) (0.25) (N) (1.77) (W) (2.00) (E)	-3.75				
S-117A	285+51.79	-8.90' L	Type "D" CB	USF 5129-6176	6.45	(-0.62) (E)	-2.62				
S-117B	285+51.50	19.04' R	Type "D" CB	USF 5129-6176	6.27	(2.00) (W)	0.00				
S-118	286+96.69	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	5.50	(-0.25) (S) (-3.25) (N) (-1.70) (W) (0.60) (E)	-5.25				
S-118A	286+96.76	-9.11' L	Type "D" CB	USF 5129-6176	5.45	(-1.70) (E)	-3.70				
S-118B	286+96.75	19.07' R	Type "D" CB	USF 5129-6176	5.35	(0.60) (W)	-1.40				
S-118C	287+43.59	9.95' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	5.47	(-3.25) (S)	-5.25				
Exist. CB-3	307+07.47	-11.01' L	Exist. CB	Exist. Grate	3.30	(-4.85) (E) (-2.25) (N)	-7.85				
S-123	300+26.02	12.03' R	Per City of Miami 35-86-8	USF 310-GR	8.70	(2.20) (N)	-1.80				
S-124	302+47.45	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.70	(2.20) (S) (0.15) (N) (0.50) (W)	-3.65			Y	Y
S-125	304+95.35	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	5.65	(0.15) (S) (-2.25) (N) (-0.75) (W)	-6.25			Inverted	Y
S-126	307+10.67	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	3.46	(-2.25) (S) (-4.85) (W) (-1.50) (E)	-6.85				
S-126B	307+09.86	19.62' R	Type "D" CB	USF 6611	3.30	(-1.50) (W)	-3.50				
S-126C	307+42.66	-9.66' L	BOX TYPE MH Per City of Miami 35-86-12	USF 679-AG-M	3.83	(-2.28) (S) (-2.58) (N)	-4.58				
S-150	302+17.22	12.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.80	(2.20) (S) (2.20) (N) (2.20) (SW) (2.50) (E)	-1.80			Y	Y
S-150A	302+05.63	-8.86' L	Type "D" CB	USF 4700-6223	7.60	(2.20) (NE)	0.20				
S-150B	302+17.22	19.00' R	Type "D" CB	USF 5129-6176	7.73	(2.50) (W)	0.50				
Exist. CB-1	297+16.44	-14.16' L	Exist. CB	Exist. Grate	4.25	(-2.38) (E)	-4.38				
Exist. CB-2	297+08.66	16.66' R	Exist. CB	Exist. Grate	4.35	(-0.40) (W)	-2.40				
S-119	290+73.82	12.00' R	Per City of Miami 35-86-8	USF 310-GR	7.50	(1.80) (N) (1.16) (W) (1.25) (E)	-2.84			Y	
S-119A	290+73.83	-14.02' L	Type "D" CB	USF 5129-6176	7.35	(1.16) (E)	-0.84				
S-119B	290+73.71	19.03' R	Type "D" CB	USF 5129-6176	7.35	(2.50) (W)	0.50				
S-120	292+00.64	12.00' R	Per City of Miami 35-86-8	USF 310-GR	7.30	(1.80) (S) (2.50) (E) (1.22) (W) (1.80) (N)	-2.78			Y	Y
S-120A	291+97.12	-9.08' L	Type "D" CB	USF 5129-6176	7.10	(1.22) (E)	-0.78				
S-120B	292+01.62	19.09' R	Type "D" CB	USF 5129-6176	7.10	(2.50) (W)	0.50				
S-121	292+52.36	10.00' R	Per City of Miami 35-86-8	USF 310-GR	7.86	(1.74) (N) (1.80) (S)	-2.26			Y	Inverted
S-122	297+09.48	9.96' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	4.42	(-1.80) (S) (-4.42) (N) (-2.38) (W) (-0.40) (E)	-6.42				
S-122C	297+41.91	12.03' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	4.88	(-4.42) (S)	-6.42				
S-140	294+58.35	10.00' R	BOX TYPE MH Per City of Miami 35-86-12	USF 310-GR	7.35	(1.74) (S) (1.74) (N) (3.00) (E) (-1.70) (W)	-5.70			Y	Y
S-140A	294+57.68	-9.09' L	Type "D" CB	USF 5129-6176	7.20	(-1.70) (E)	-3.70				
S-140B	294+58.28	19.03' R	Type "D" CB	USF 5129-6176	7.27	(3.00) (W)	1.00				

REVISIONS

DATE	BY	DESCRIPTION
01-23-2015	MJM	REVISION 1 - CITY OF MIAMI PUBLIC WORKS
02-13-2015	LF	REVISION 2 - CITY OF MIAMI PUBLIC WORKS

EOR

SEAN P. COMPEN  
No. 66618  
DATE: 2/10/15  
FLORIDA PROFESSIONAL ENGINEER



CITY OF MIAMI  
CAPITAL IMPROVEMENTS AND  
TRANSPORTATION PROGRAM

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MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME  
Grove Park Roadway Improvements  
Phase 2

PROJECT No.  
B-40347

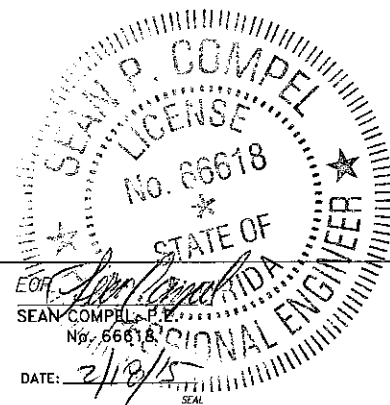
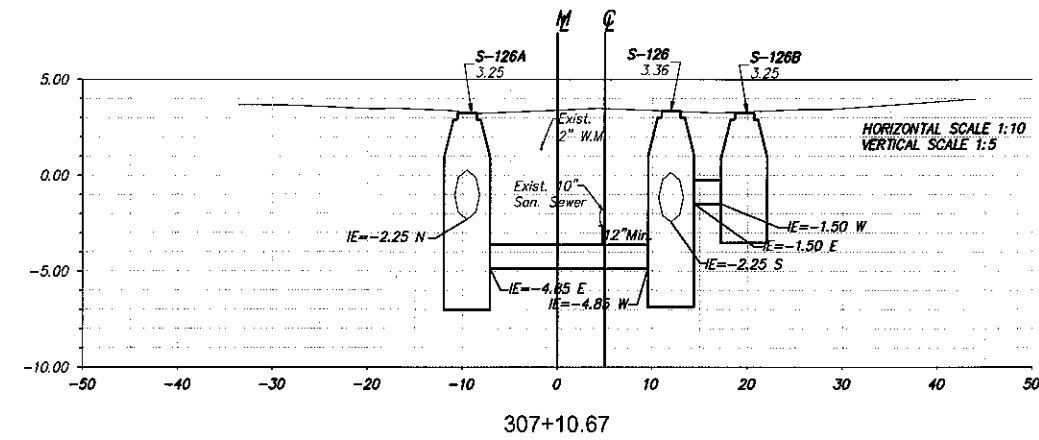
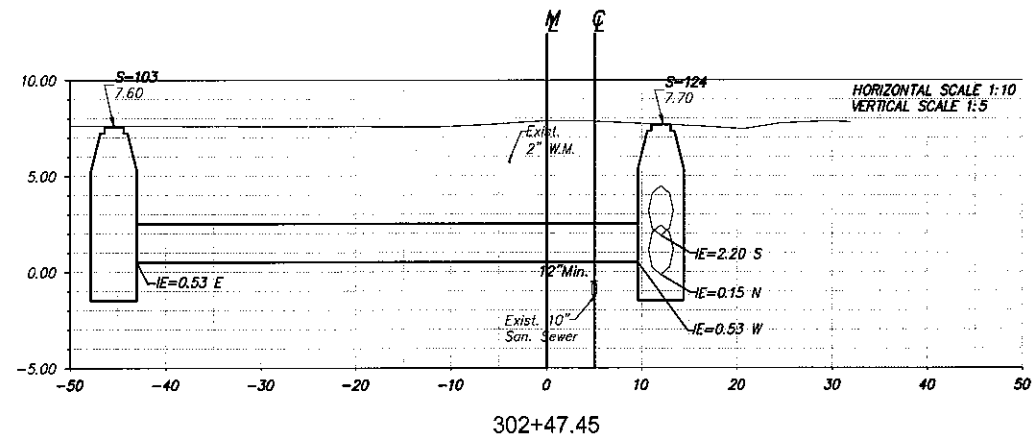
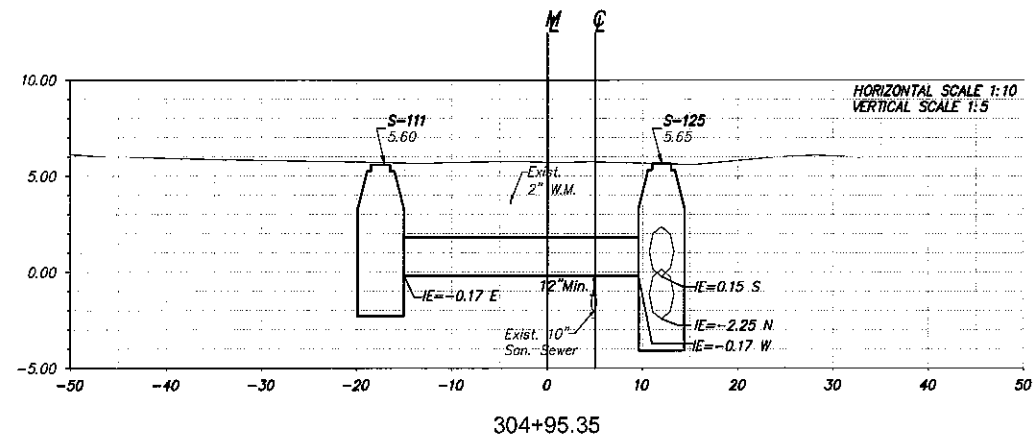


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Coral Gables, Florida 33134  
www.stantec.com

SUMMARY OF DRAINAGE  
STRUCTURES


SHEET  
NO.

C-21



REVISIONS		
DATE	BY	DESCRIPTION

FOR SEAN P. COMPEL  
 No. 66618  
 DATE: 2/18/15  
 SEAL

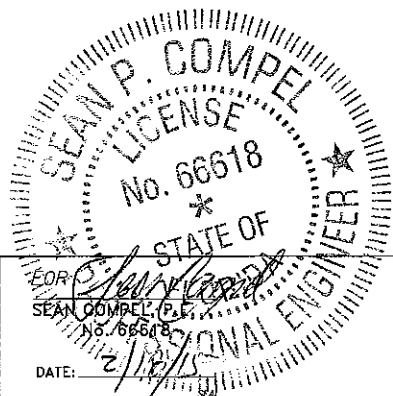
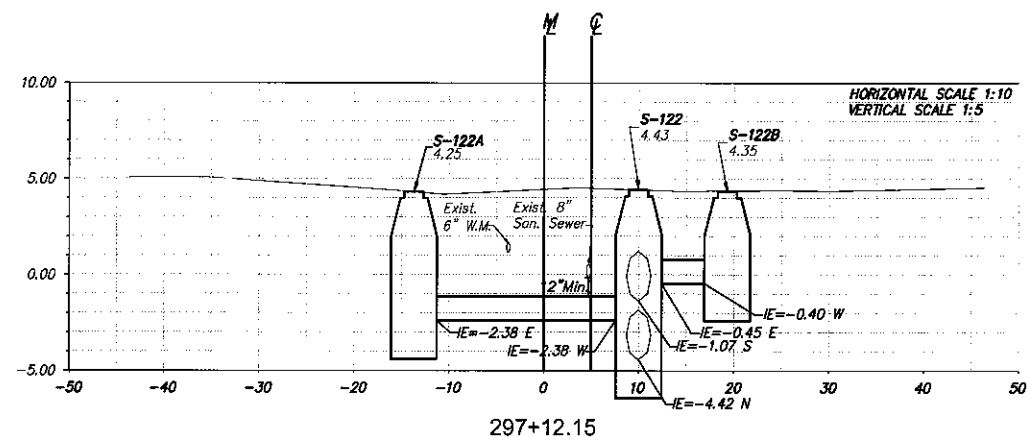
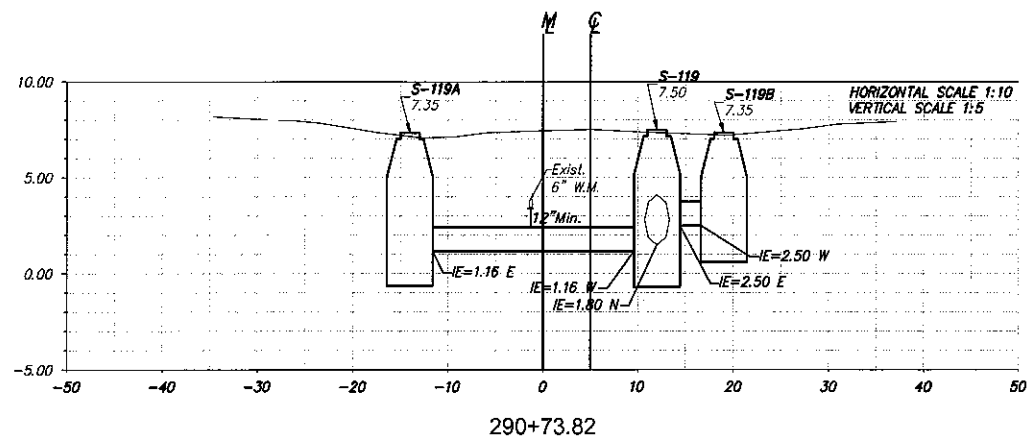
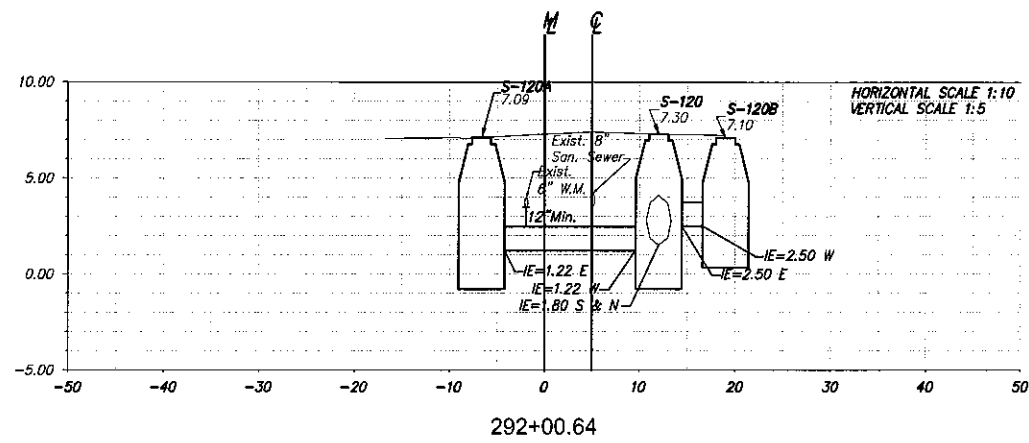
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CITY OF MIAMI  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

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DRAINAGE CROSS SECTIONS  
 NW 20TH AVENUE

SHEET NO.  
**C-22**



CITY OF MIAMI  
 CAPITAL IMPROVEMENTS AND  
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 MIAMI, FLORIDA 33130  
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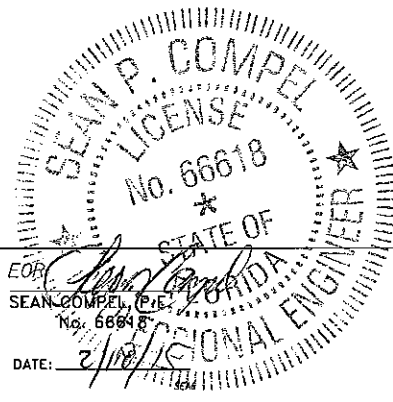
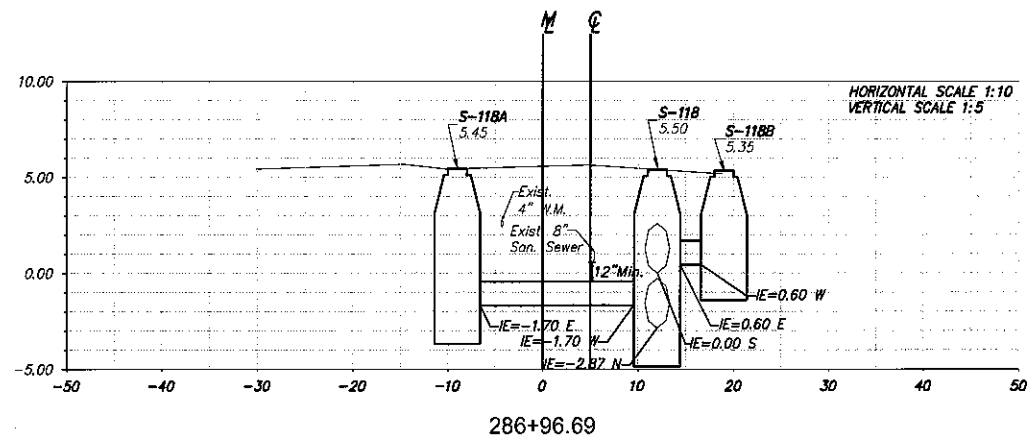
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347



DRAINAGE CROSS SECTIONS  
 NW 20TH COURT

SHEET NO.  
**C-23**

REVISIONS		
DATE	BY	DESCRIPTION



CITY OF MIAMI  
CAPITAL IMPROVEMENTS AND  
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CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME  
Grove Park Roadway Improvements  
Phase 2

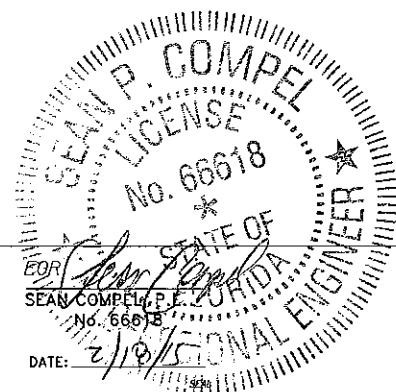
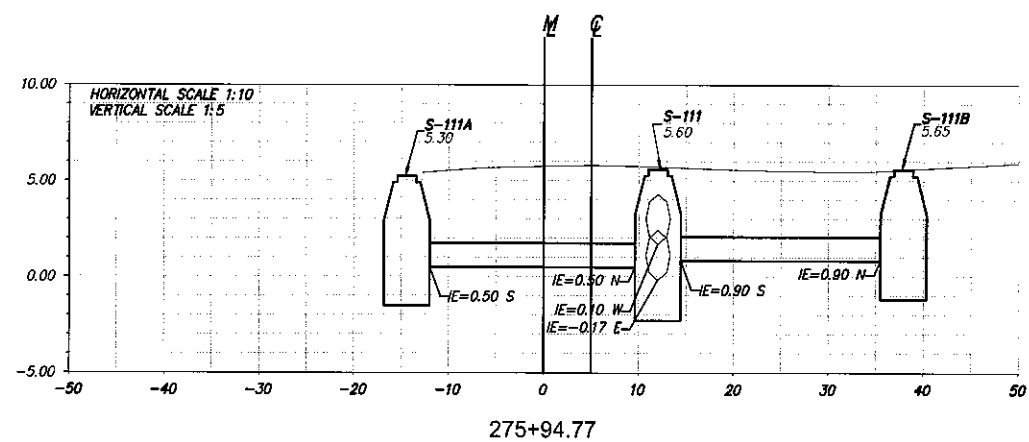
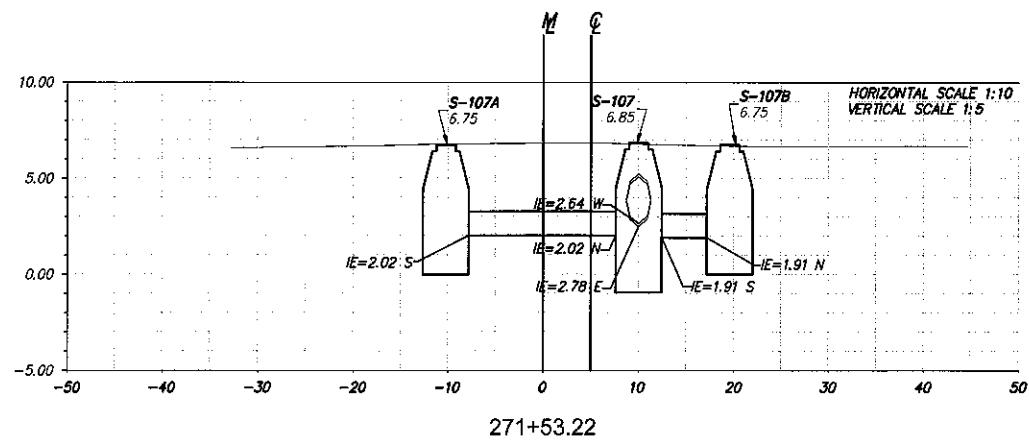
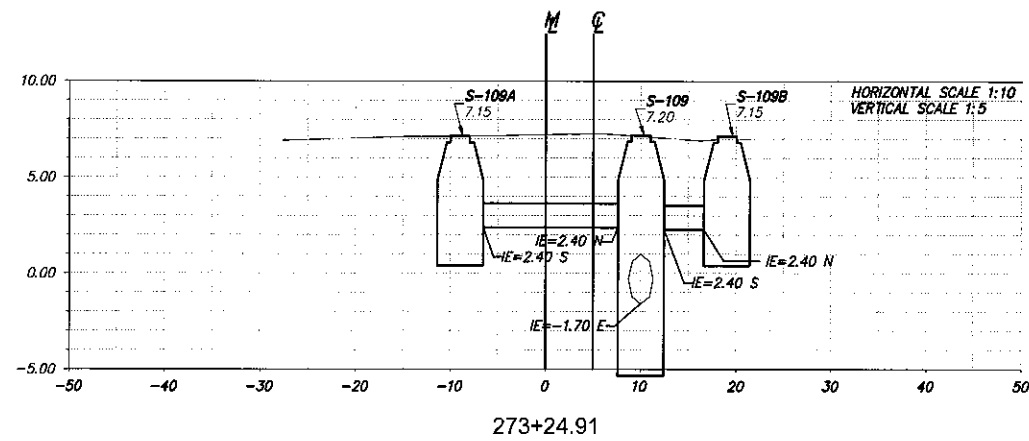
PROJECT No.  
B-40347



DRAINAGE CROSS SECTIONS  
NW 21ST AVENUE

SHEET NO.  
C-24

REVISIONS		
DATE	BY	DESCRIPTION



CITY OF MIAMI  
 CAPITAL IMPROVEMENTS AND  
 TRANSPORTATION PROGRAM  
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CITY OF MIAMI  
 CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME  
 Grove Park Roadway Improvements  
 Phase 2

PROJECT No.  
 B-40347

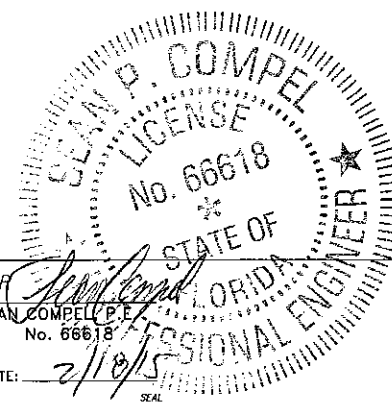
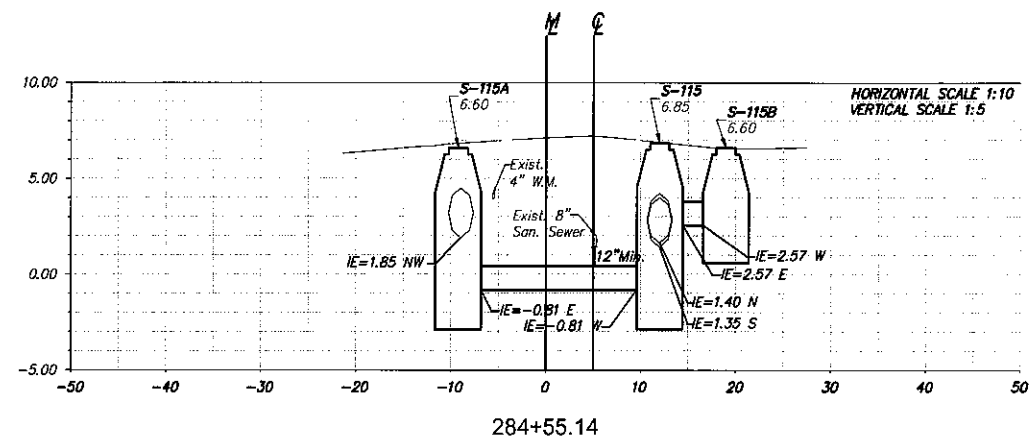
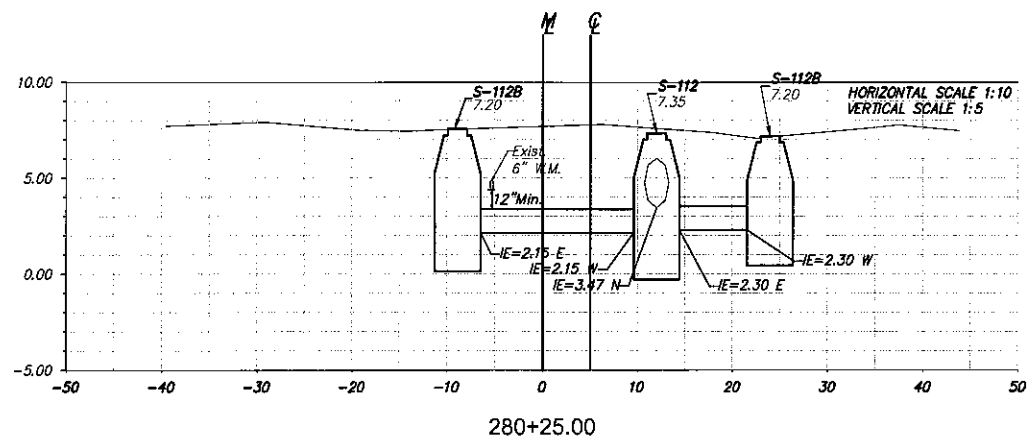
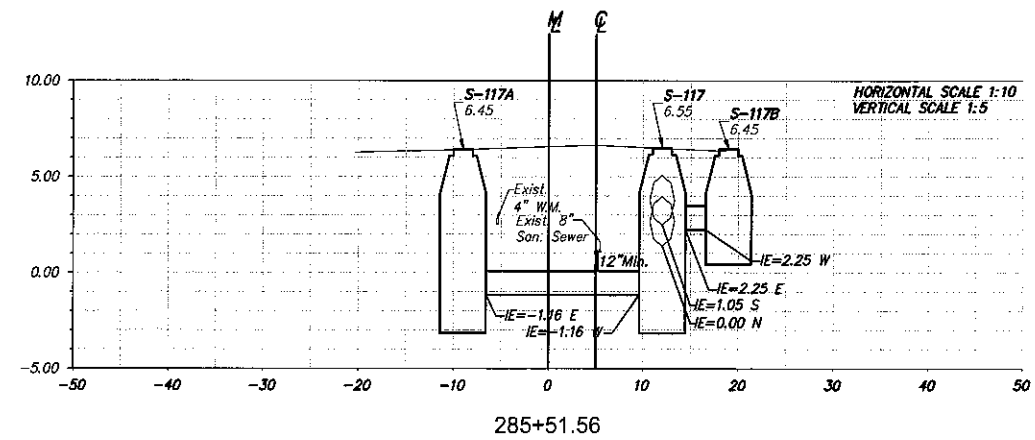
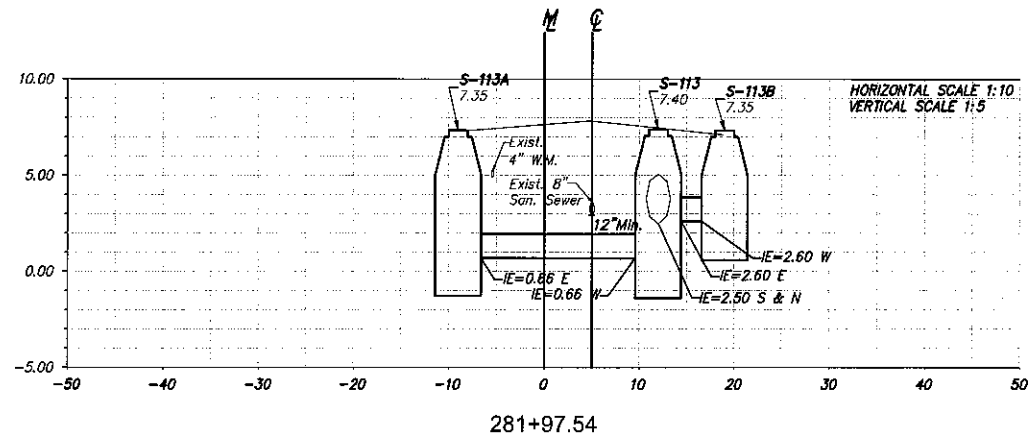


DRAINAGE CROSS SECTIONS  
 NW 8TH TERRACE

SHEET  
 NO.

C-25

REVISIONS	
DATE	DESCRIPTION



CITY OF MIAMI  
 CAPITAL IMPROVEMENTS AND  
 TRANSPORTATION PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

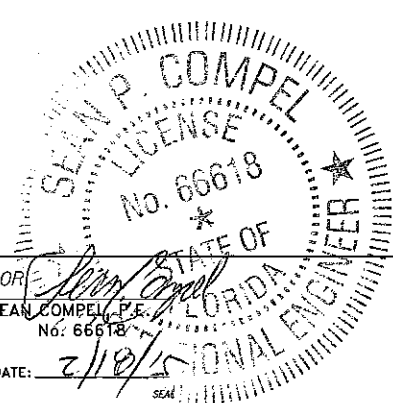
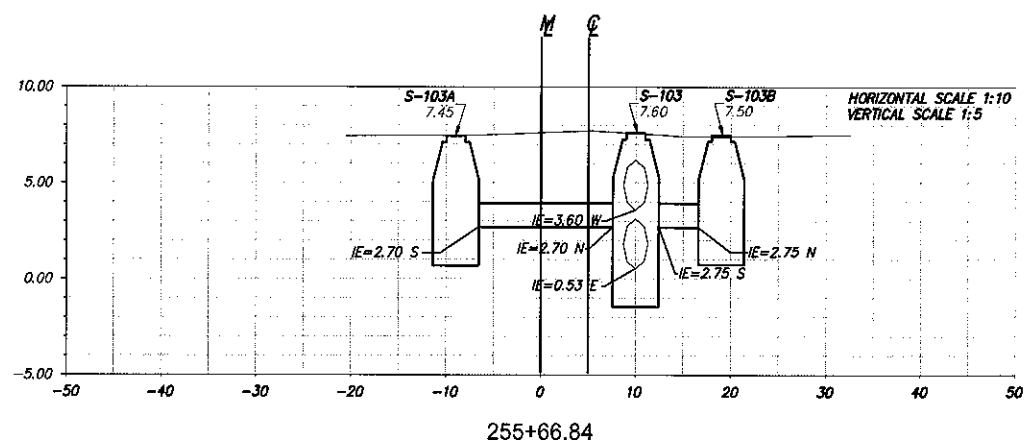
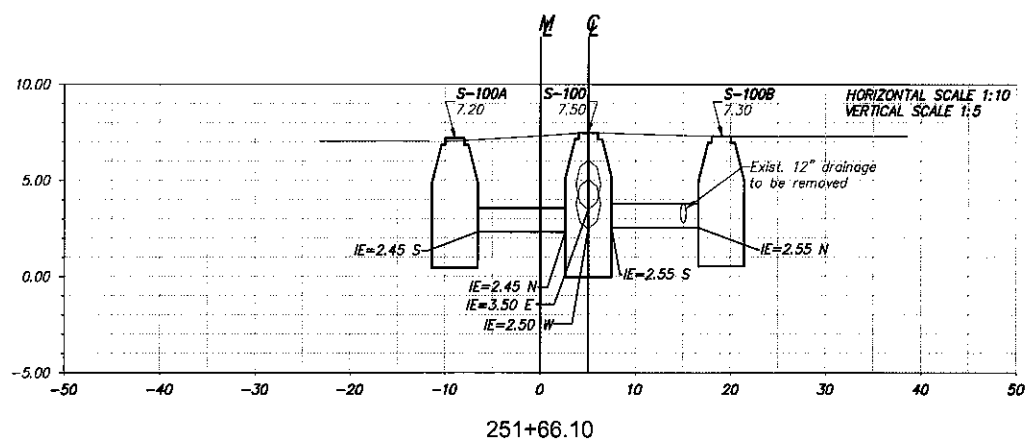
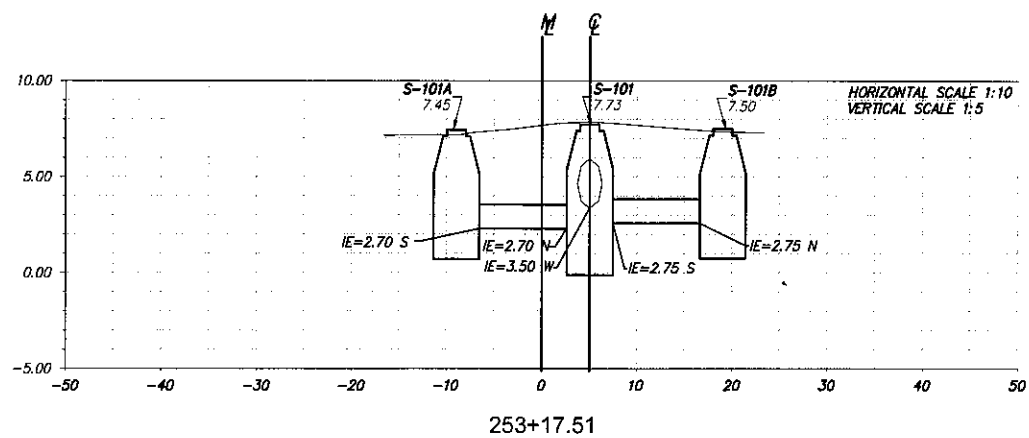
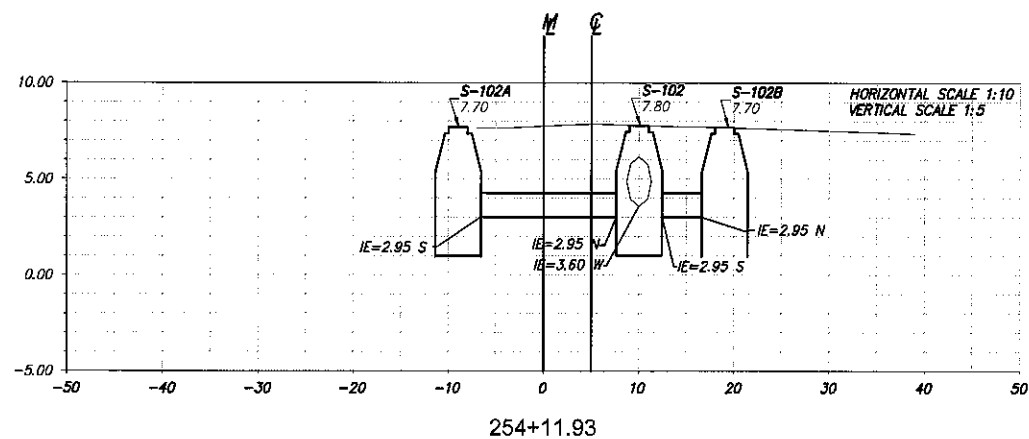
CITY OF MIAMI  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347



DRAINAGE CROSS SECTIONS  
 NW 21ST AVENUE

SHEET NO.  
 C-26

REVISIONS	
DATE	DESCRIPTION



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND  
 TRANSPORTATION PROGRAM  
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 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
 PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
 PROJECT NO.: **B-40347**

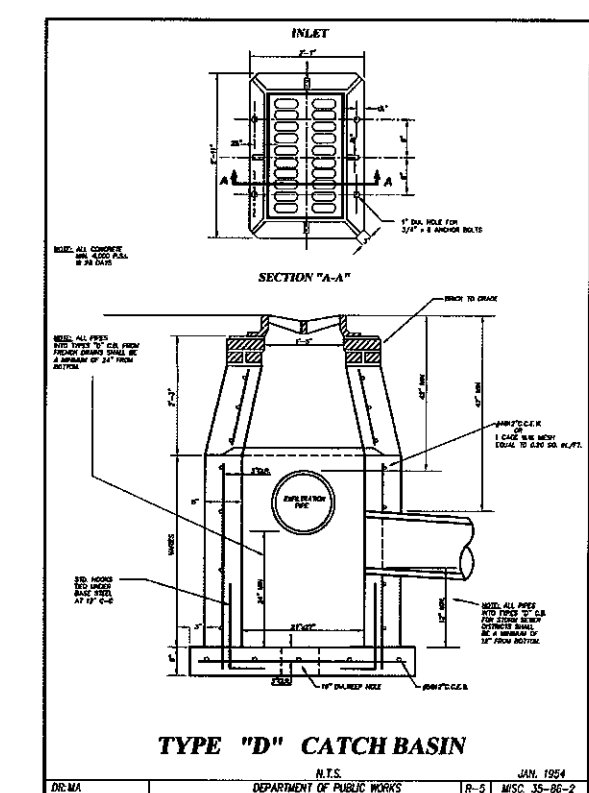
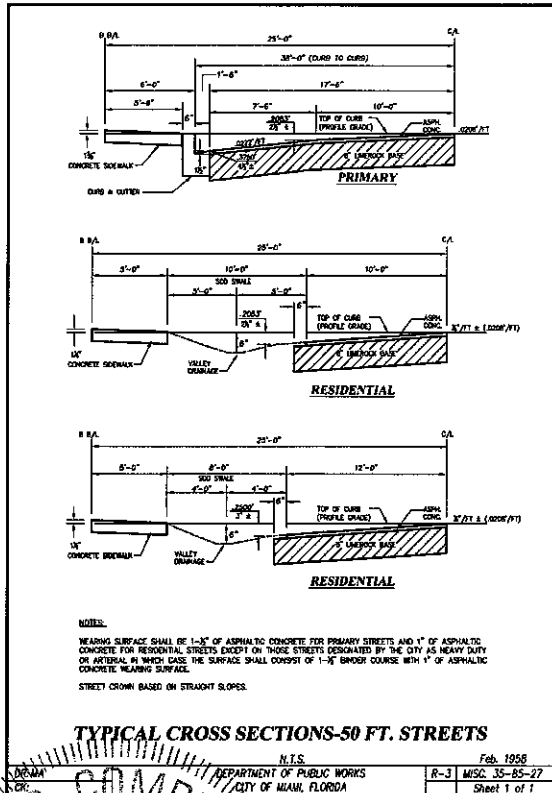
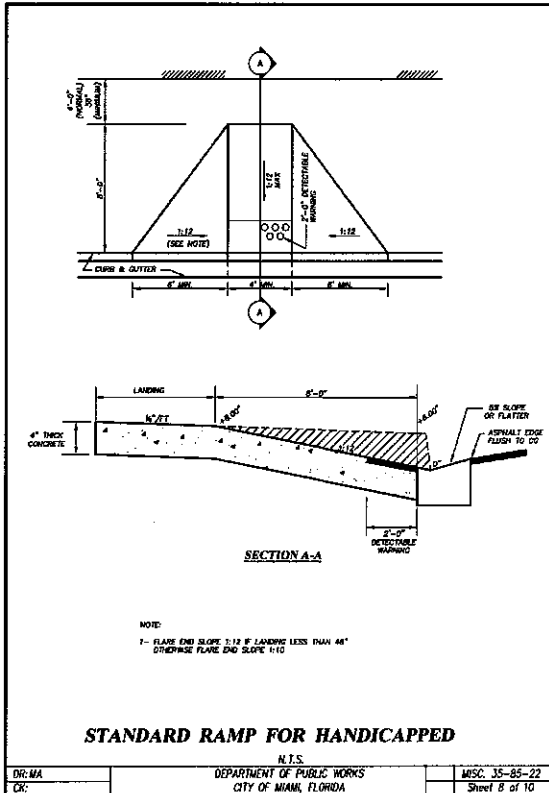
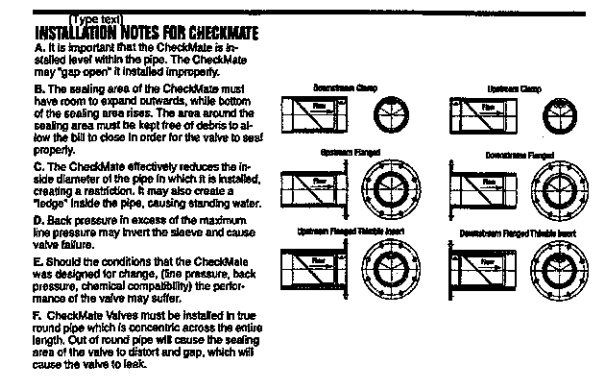
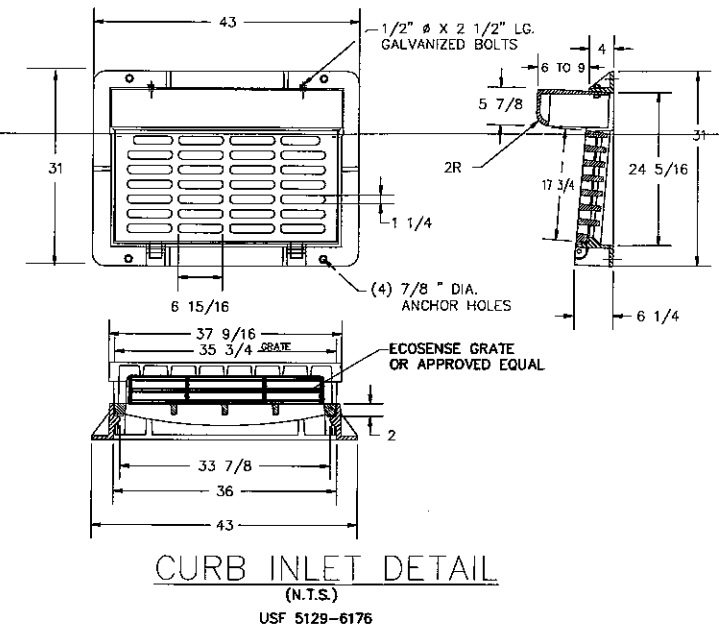
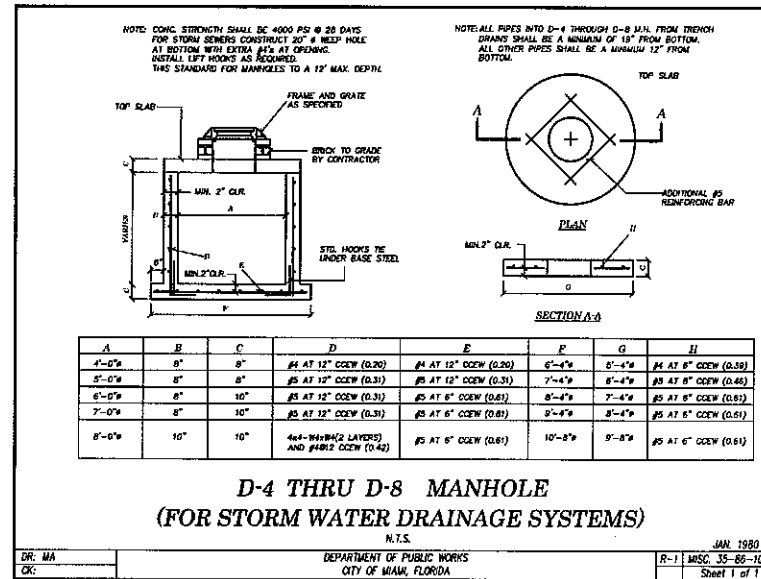
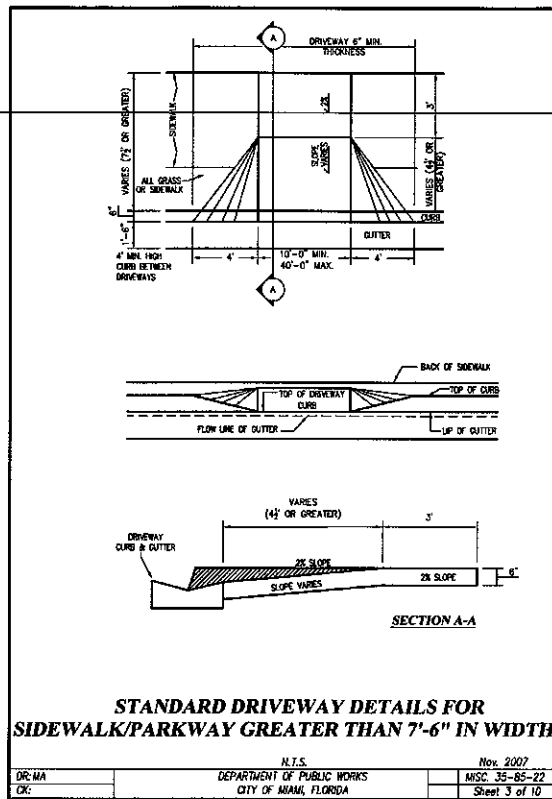
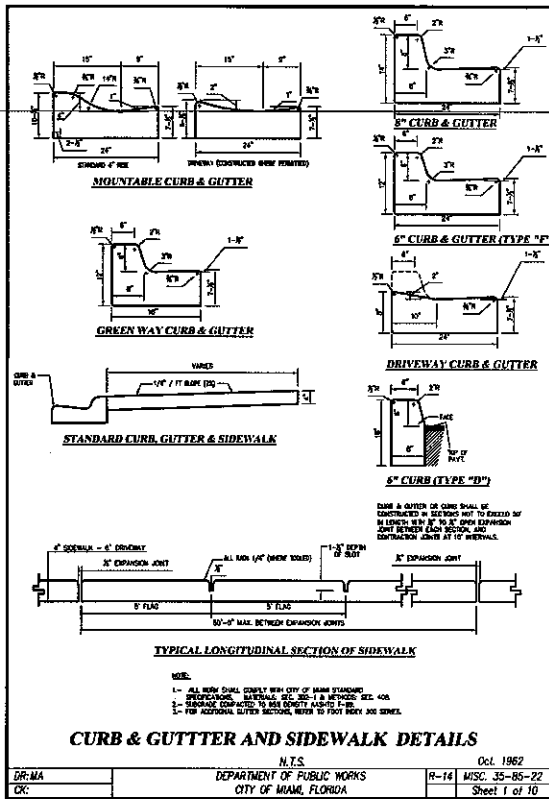


**DRAINAGE CROSS SECTIONS**  
**NW 8TH STREET**

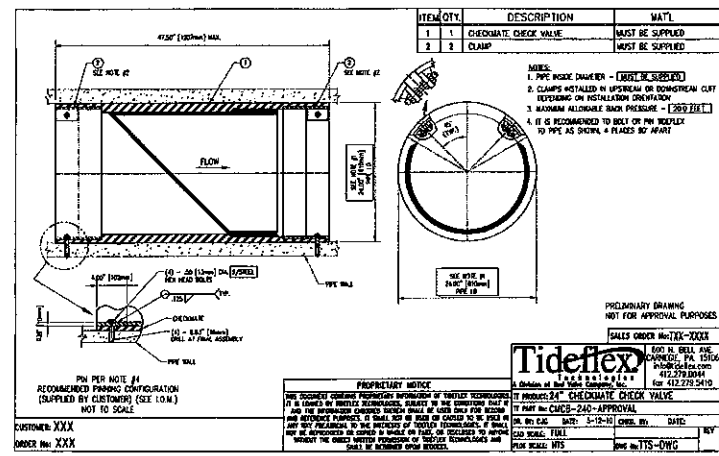
SHEET NO.  
**C-27**

REVISIONS	
DATE	DESCRIPTION





Nominal Pipe Size (IPS)	Inches	Material	Inches	Inches	Number of Clamps	Grid Drains		Backsight Rating	
						Feet	Inches	Feet	Inches
4	100	9.3	236	1	1.5	38	40	12	
6	150	13.5	343	1	2	51	40	12	
8	200	16.7	458	1	2	51	40	12	
10	250	19.6	508	1	2	61	40	12	
12	300	23	584	1	2	61	40	12	
14	350	30.2	767	1	4	102	20	6	
16	400	35.3	848	1	4	102	20	6	
18	450	36.6	927	1	4	102	20	6	
20	500	47.7	1212	2	8	203	20	6	
24	600	54	1372	2	8	203	20	6	
28	700	63.5	1613	2	8	203	20	6	
36	900	73	1854	2	8	203	20	6	
42	1050	82.5	2098	2	8	203	10	3	
48	1200	92	2337	2	8	203	10	3	
54	1350	101.5	2578	2	8	203	10	3	
60	1500	119	3023	2	12	305	10	3	



SEAN P. COMPEL  
 LICENSE  
 No. 66618  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 DATE: 2/10/15

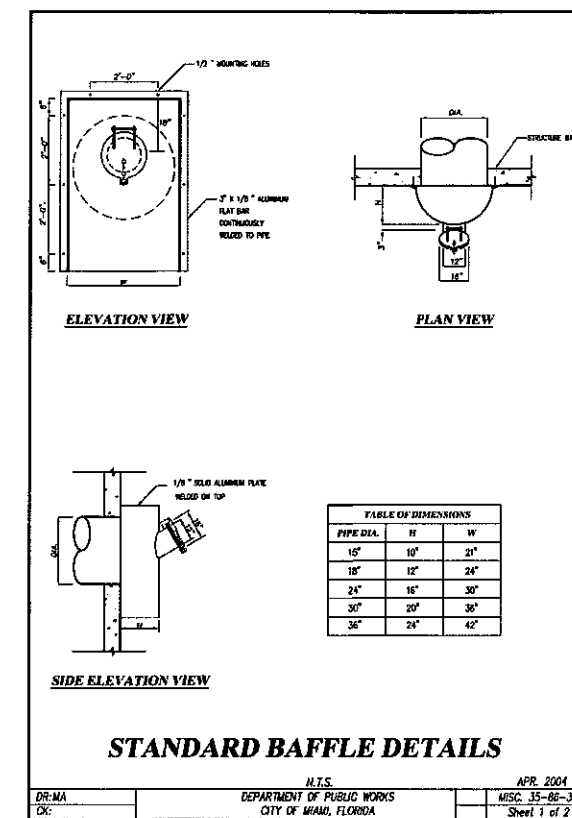
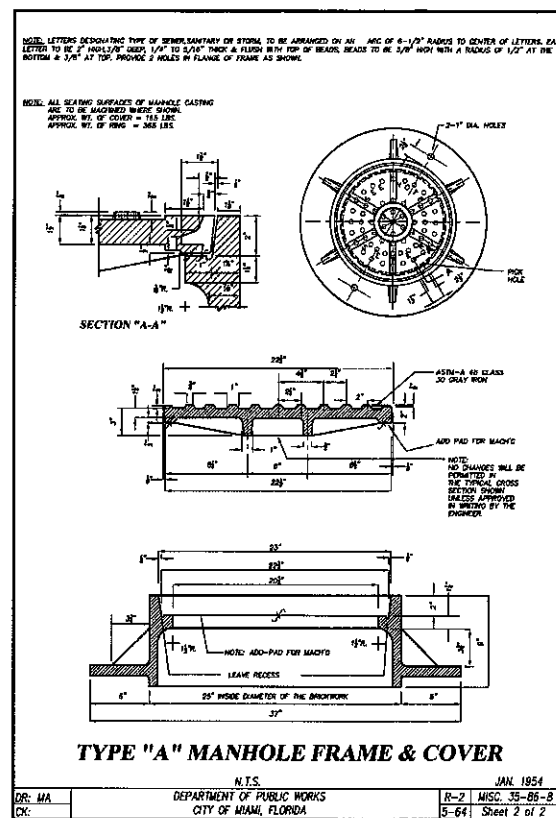
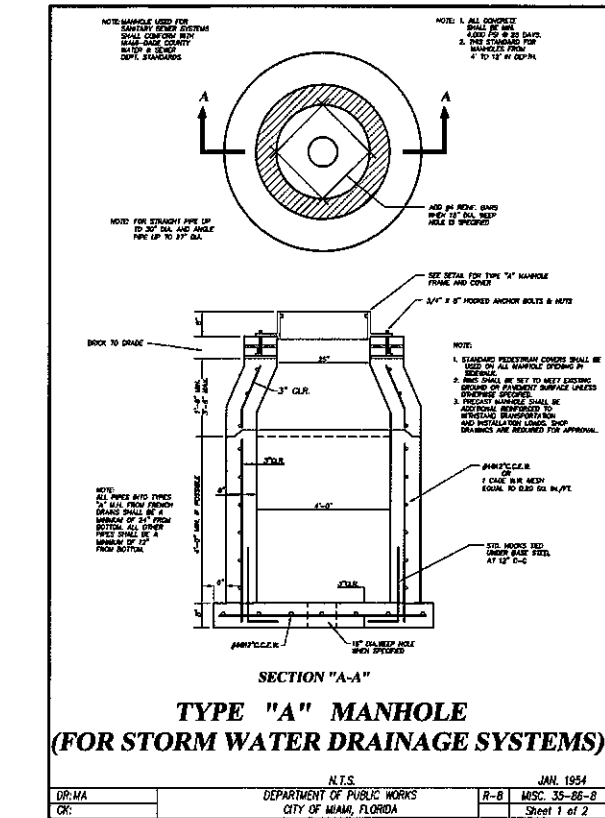
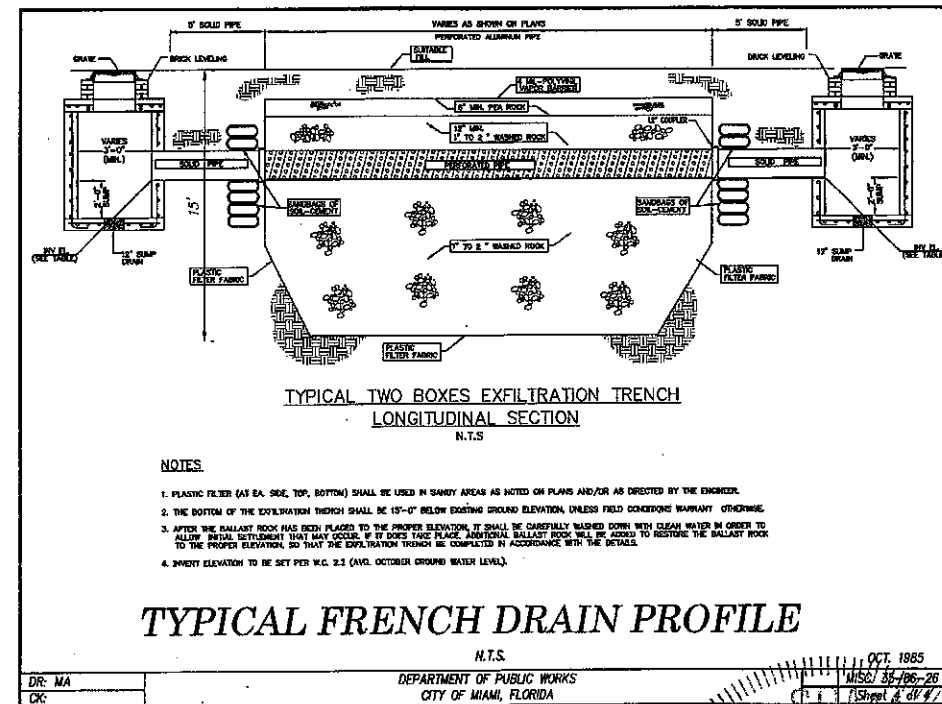
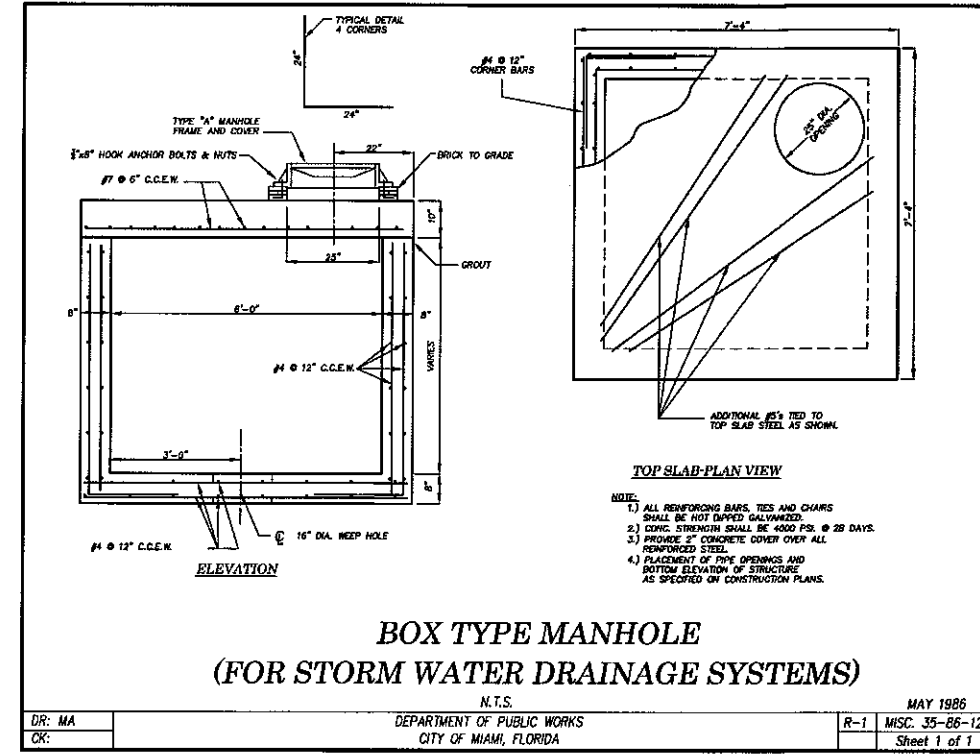
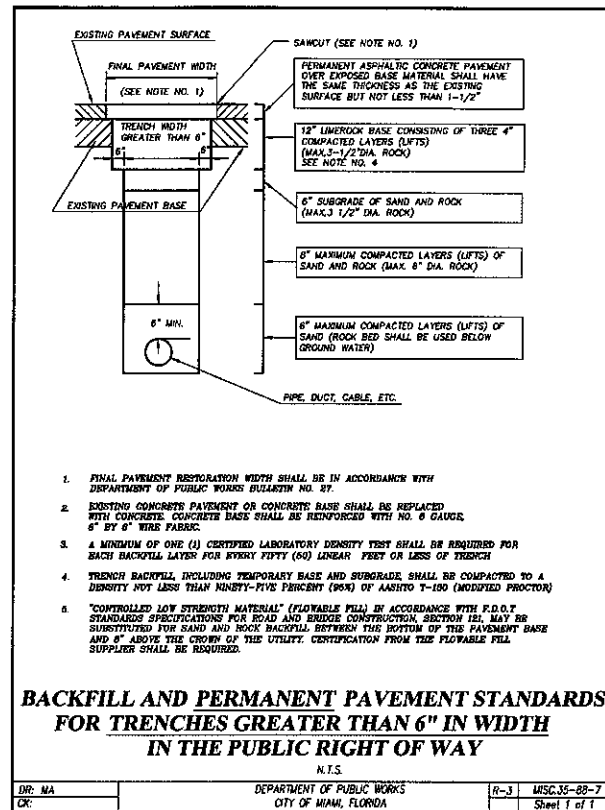
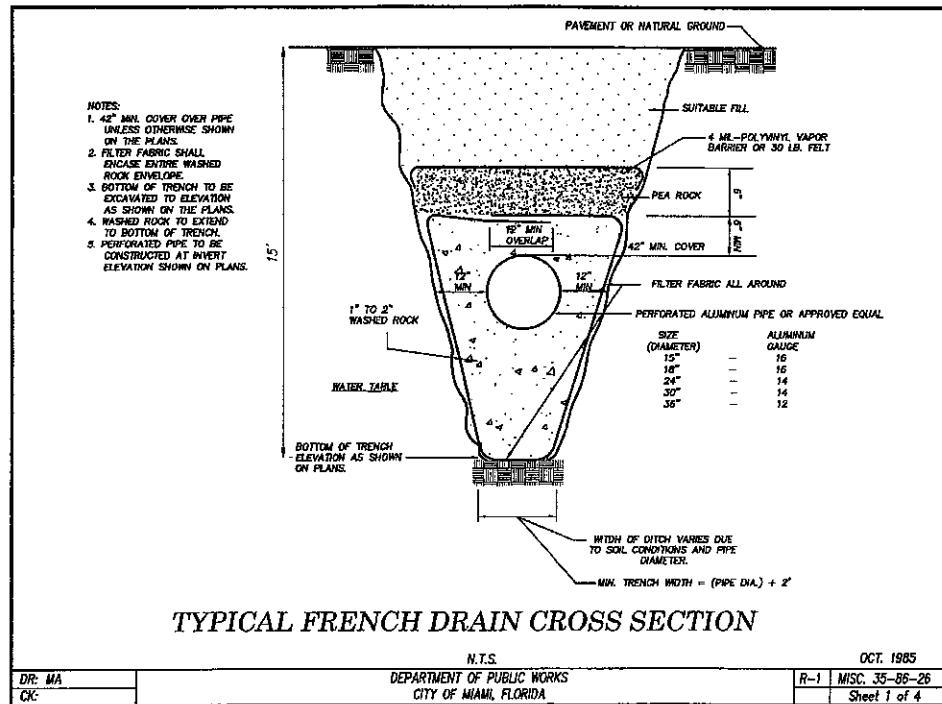
**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAM  
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 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347

**Stantec**  
 201 Ponce de Leon Blvd. Suite 900  
 Coral Gables, Florida 33134  
 www.stantec.com

**DRAINAGE DETAILS**  
 SHEET NO. C-28

DATE	BY	REVISIONS DESCRIPTION



**REVISIONS**

DATE	BY	DESCRIPTION

SEAN P. COMBELL  
 LICENSE No. 66618  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 DATE: 2/18/15



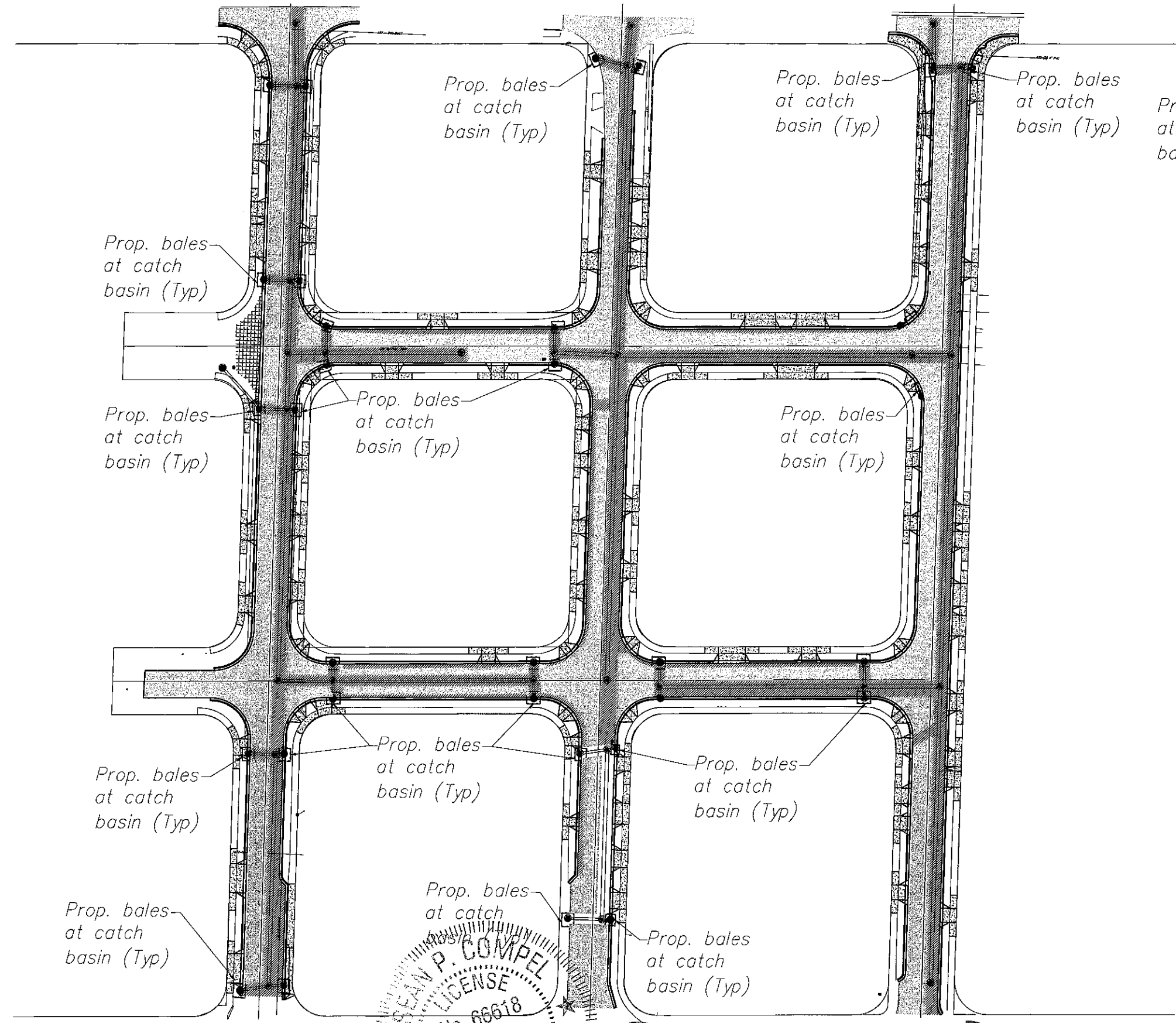
**CITY OF MIAMI**  
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 MIAMI, FLORIDA 33130  
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 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: Grove Park Roadway Improvements Phase 2  
 PROJECT No.: B-40347



DRAINAGE DETAILS

SHEET NO.  
**C-29**



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Exist. Catch Basin
  - Prop. bales at catch basin (Typ)
  - Prop. sediment barrier (Typ)

NOTE:  
STORM WATER POLLUTION PREVENTION PLAN AS  
PER CITY OF MIAMI ENG. STD. MISC. 35-89-6

SEAN P. COMPEL  
LICENSE  
No. 66618  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

CITY OF MIAMI  
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MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

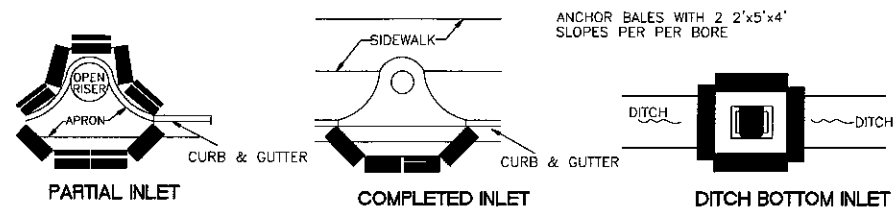
PROJECT NAME	PROJECT No.
Grove Park Roadway Improvements Phase 2	B-40347

**Stantec**  
901 Ponce de Leon Blvd, Suite 900  
Coral Gables, Florida 33134  
www.stantec.com

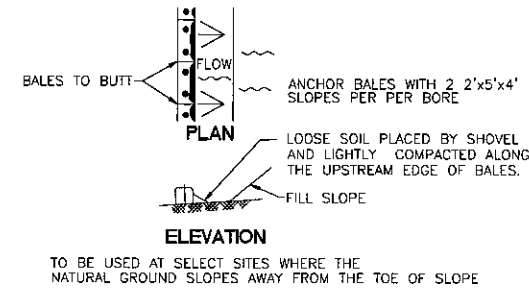
STORM WATER POLLUTION  
PREVENTION PLAN

SHEET  
NO.  
**C-30**

REVISIONS		
DATE	BY	DESCRIPTION



**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**



**BARRIER FOR FILL SLOPE**

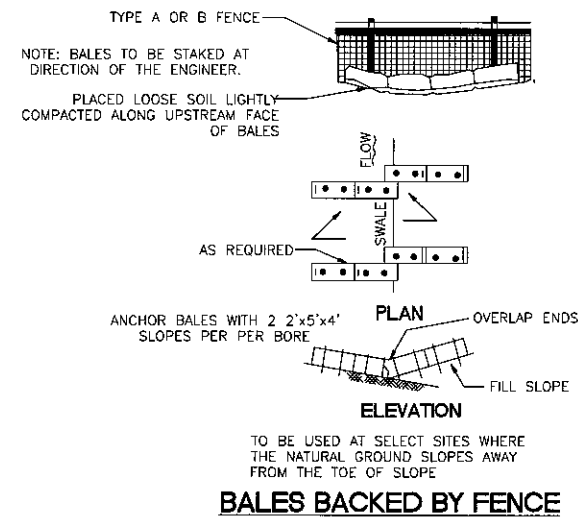
INFORMATION ADAPTED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATIONS STATE DRAINAGE MANUAL

**EROSION AND SEDIMENTATION CONTROLS**

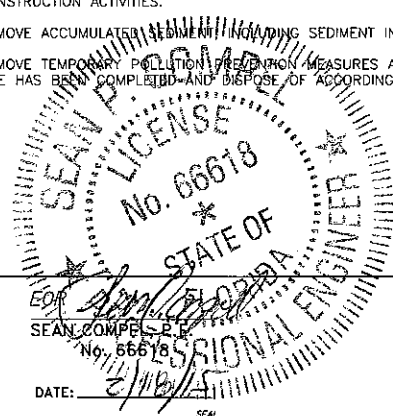
1. PROPOSED INLETS, ONCE INSTALLED, AND EXISTING INLETS SHALL BE PROTECTED FROM EROSION AND SEDIMENT RUNOFF BY THE USE OF HAY BALES AS PER FDOT STANDARD INDEX NO. 102.
2. THE CONTRACTOR WILL MINIMIZE SEDIMENTATION DUE TO THE EFFECTS OF TRUCK TRAFFIC AND TRACKING BOTH ON AND OFF OF THE PROJECT AREA.
3. CONFORM TO CITY OF MIAMI STANDARD SPECIFICATIONS, AND THE CITY'S NPDES PERMIT REQUIREMENTS.
2. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH. ALL CONTROLS MUST BE IN GOOD OPERATING CONDITION UNTIL THE AREA THEY PROTECT HAS BEEN COMPLETELY STABILIZED AND THE CONSTRUCTION IS COMPLETE.
3. DUMP TRUCKS IMPORTING FILL MATERIALS TO THE SITE SHALL COVER THEIR LOADS WITH A TARPULIN TO AVOID UNNECESSARY GENERATION OF DUST.
4. DUST CONTROL SHALL BE PROVIDED ON A DAILY BASIS OR MORE FREQUENTLY AS NEEDED.

**SEQUENCE OF MAJOR ACTIVITIES**

1. INSTALL TYPE III SILT FENCE AT BOUNDARIES OF PROPOSED CONSTRUCTION WHERE APPLICABLE.
2. COMMENCE SITE CONSTRUCTION ACTIVITIES.
3. AS PROPOSED INLETS ARE CONSTRUCTED, INSTALL HAY BALE SILT BARRIER.
4. INSTALL TEMPORARY SEED AND MULCH IN AREAS WHERE CONSTRUCTION TEMPORARILY CEASES FOR AT LEAST 21 DAYS NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES.
5. INSTALL PERMANENT SODDING AND PLANTING IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES.
6. REMOVE ACCUMULATED SEDIMENT INCLUDING SEDIMENT IN STORMWATER SYSTEM.
7. REMOVE TEMPORARY POLLUTION PREVENTION MEASURES AFTER ALL CONSTRUCTION ON SITE HAS BEEN COMPLETED AND DISPOSE OF ACCORDING TO CODE.



**BALES BACKED BY FENCE**



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**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

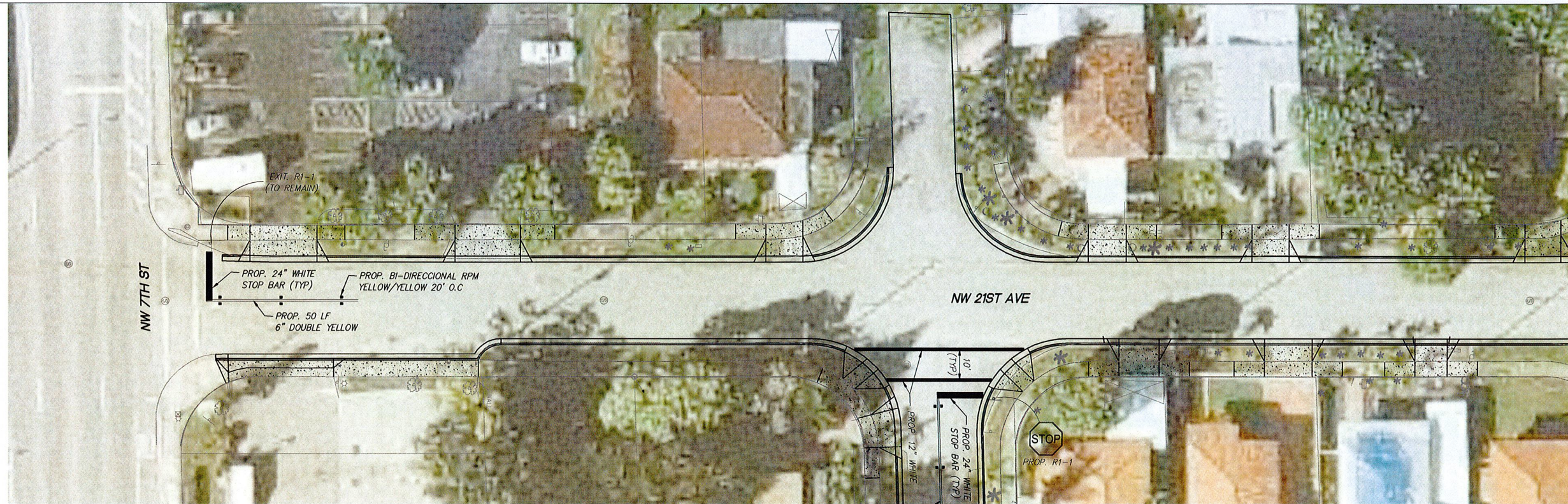
PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
PROJECT No.: **B-40347**



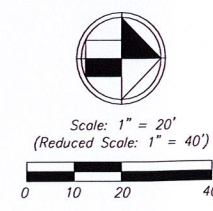
SWPPP GENERAL NOTES & DETAILS

SHEET NO.  
**C-31**

REVISIONS		
DATE	BY	DESCRIPTION

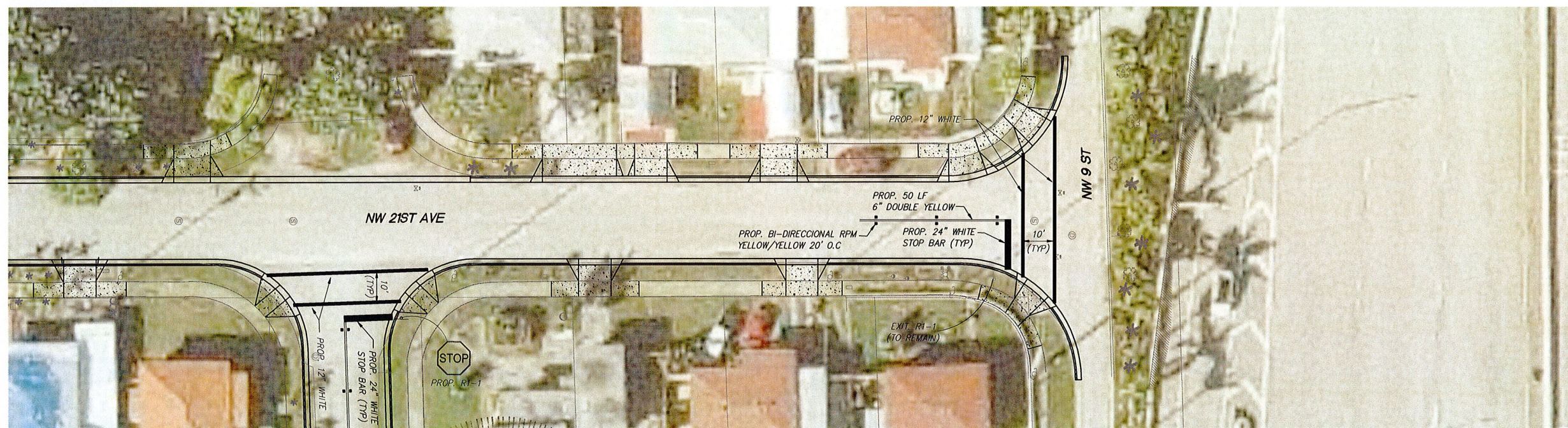


FOR CONTINUATION  
SEE SHEET C-36

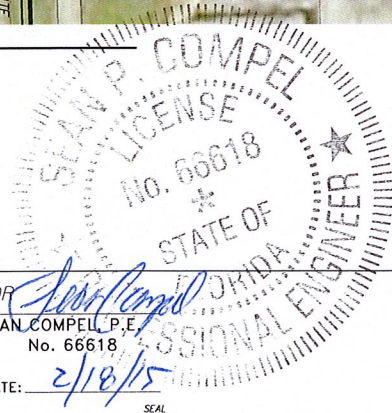


- LEGEND**
- Exist. Property Line
  - R/W Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition

FOR CONTINUATION  
SEE BELOW



FOR CONTINUATION  
SEE SHEET C-35



REVISIONS		
DATE	BY	DESCRIPTION

EOR  
SEAN COMPEL, P.E.  
No. 66618  
DATE: 2/18/15  
SEAL



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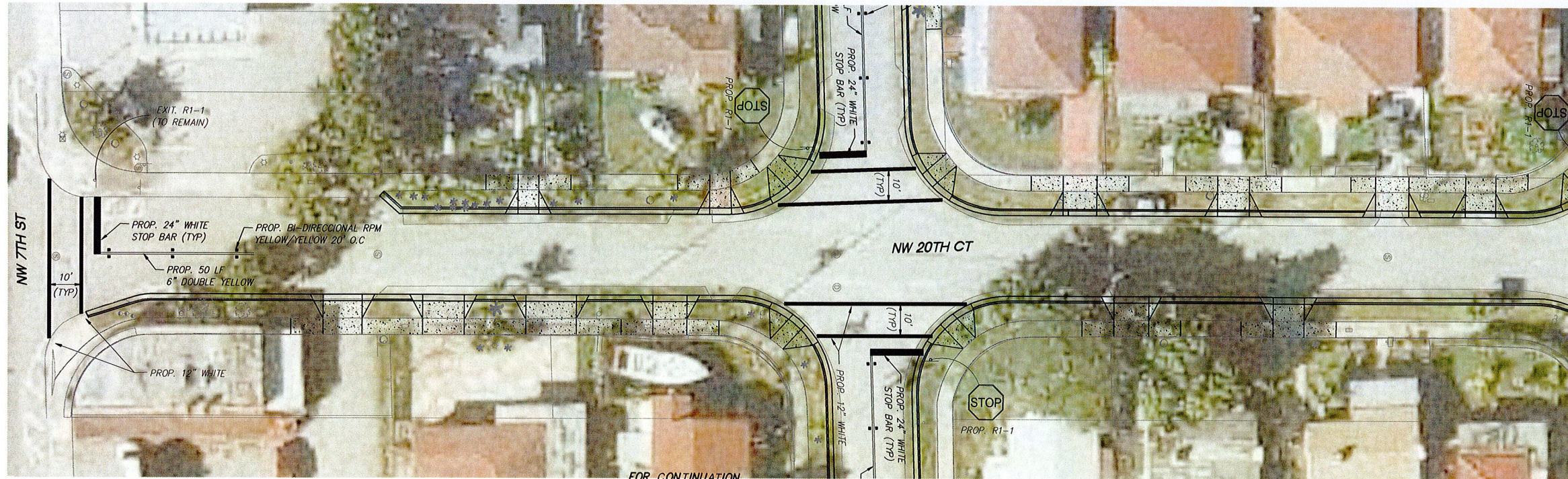
CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM  
PROJECT NAME: Grove Park Roadway Improvements Phase 2  
PROJECT No.: B-40347



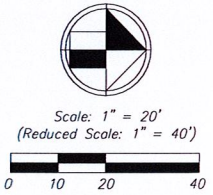
MARKING & SIGNAGE PLAN  
NW 21ST AVENUE

SHEET NO.  
C-32

FOR CONTINUATION  
SEE SHEET C-36



FOR CONTINUATION  
SEE SHEET C-36



- LEGEND**
- Exist. Property Line
  - Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition

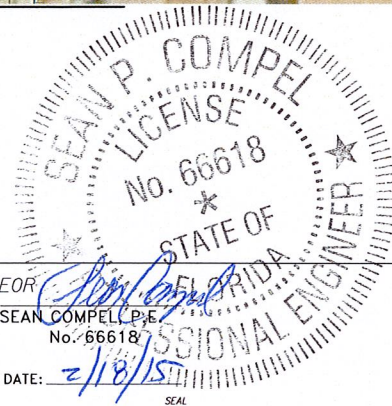
FOR CONTINUATION  
SEE BELOW

FOR CONTINUATION  
SEE SHEET C-35



FOR CONTINUATION  
SEE SHEET C-35

FOR CONTINUATION  
SEE ABOVE



REVISIONS		
DATE	BY	DESCRIPTION

EOR: *Sean P. Compel*  
SEAN COMPEL, P.E.  
No. 66618  
DATE: 2/18/15  
SEAL



**CITY OF MIAMI**  
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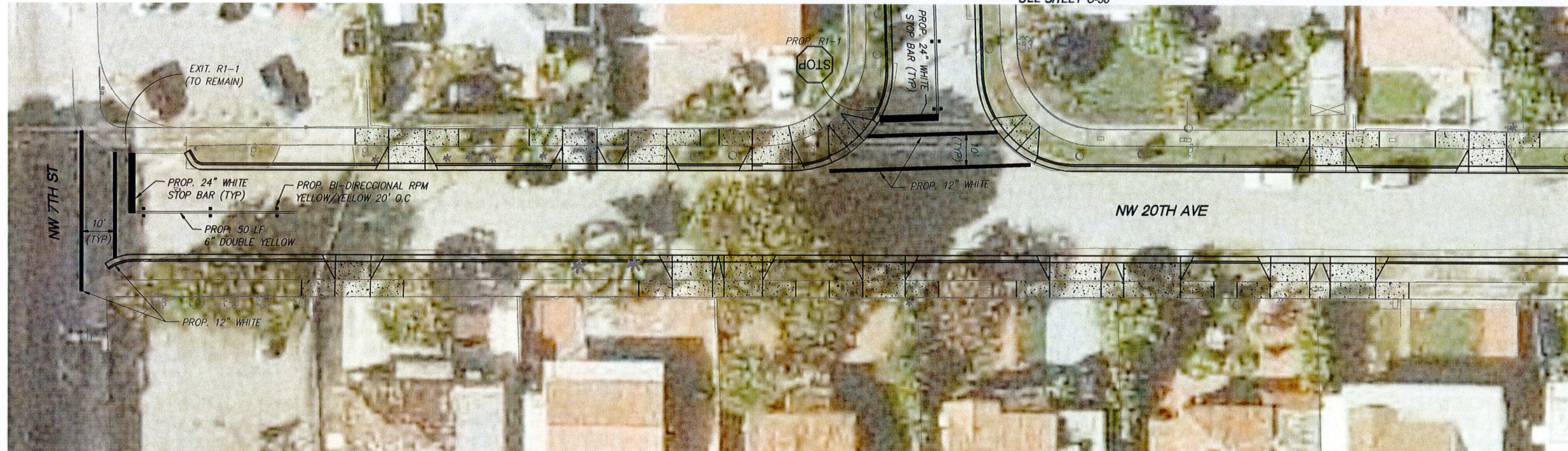
**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
PROJECT No.: **B-40347**



**MARKING & SIGNAGE PLAN**  
**NW 20TH COURT**

SHEET NO.  
**C-33**

FOR CONTINUATION  
SEE SHEET C-36

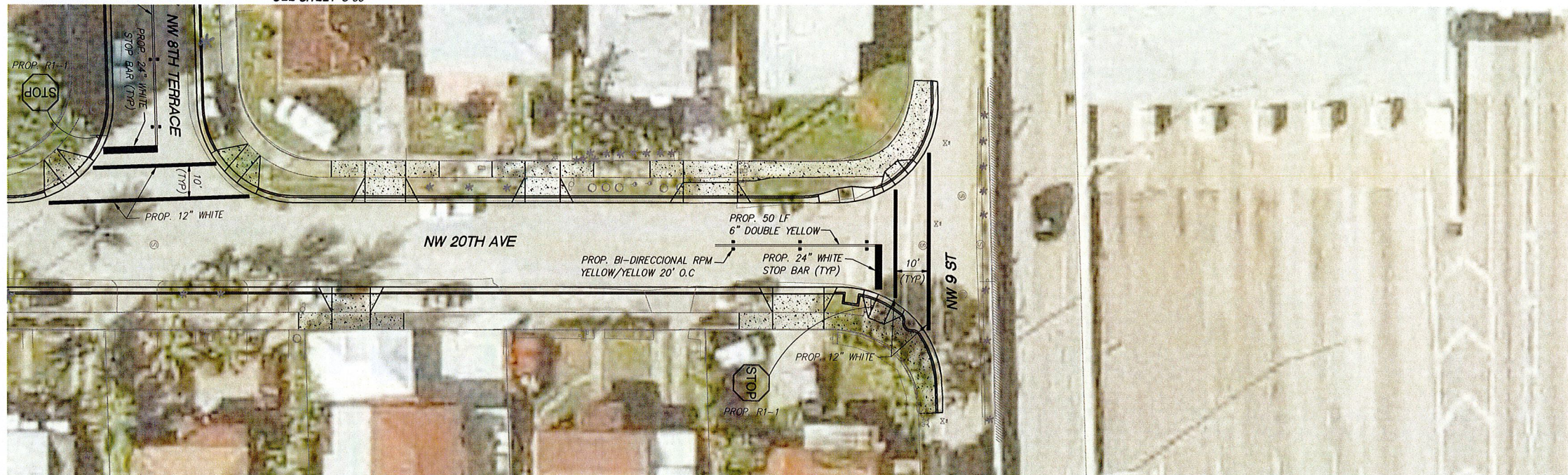


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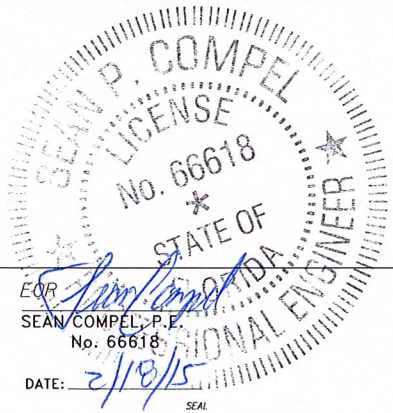
- LEGEND**
- Exist. Property Line
  - R/W Line Exist. Right of Way Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - ST Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing (Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition

FOR CONTINUATION  
SEE BELOW

FOR CONTINUATION  
SEE SHEET C-35



FOR CONTINUATION  
SEE ABOVE



**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS AND  
TRANSPORTATION PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
PROJECT No.: **B-40347**



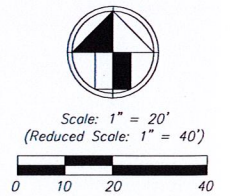
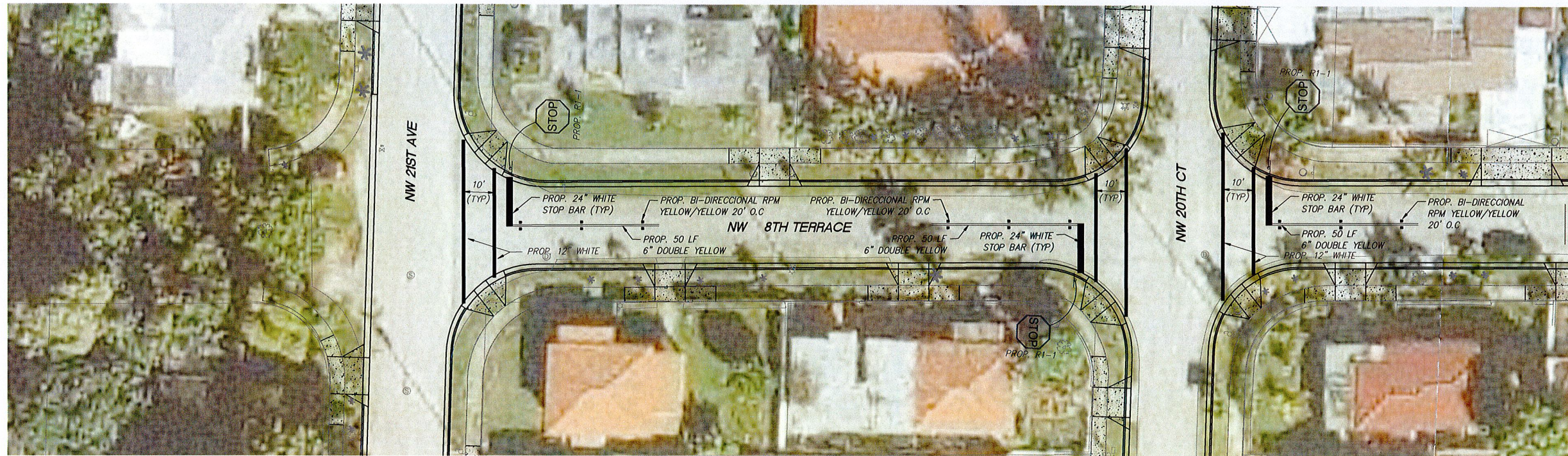
**MARKING & SIGNAGE PLAN**  
**NW 20TH AVENUE**

SHEET NO.  
**C-34**

REVISIONS		
DATE	BY	DESCRIPTION

FOR CONTINUATION  
SEE SHEET C-32

FOR CONTINUATION  
SEE SHEET C-33



- LEGEND**
- Exist. Property Line
  - R/W Line
  - Center Line
  - Exist. Type "F" Gutter
  - Exist. Edge of Pavement
  - Exist. Storm Drainage Pipe
  - Exist. Chain Link Fence
  - Monument Line
  - Existing Catch Basin
  - Exist. Light Pole w/ Pull Box
  - Exist. Storm MH
  - Exist. Fire Hydrant
  - Exist. Trees To Remain
  - Existing Elevation
  - Proposed Pavement Grade
  - Prop. Edge of Pavement
  - Prop. Type "D" Curb
  - Prop. Type "F" Curb & Gutter
  - Existing Catch Basin
  - Existing Drainage Trench
  - Existing San. MH
  - Existing Water Valve
  - Prop. Catch Basin
  - Prop. Drainage M.H.
  - Reconstruct Conc. Sidewalk
  - Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
  - New Pavement Reconstruction
  - Pavement Demolition

FOR CONTINUATION  
SEE SHEET C-32

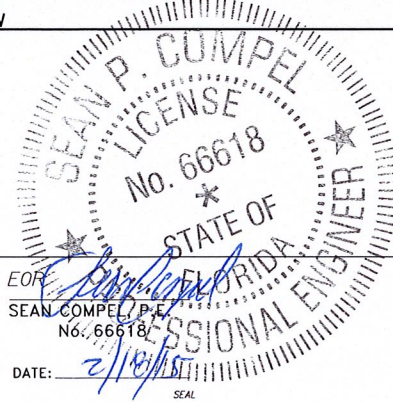
FOR CONTINUATION  
SEE SHEET C-34

FOR CONTINUATION  
SEE SHEET C-33



FOR CONTINUATION  
SEE ABOVE

FOR CONTINUATION  
SEE SHEET C-34



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**CAPITAL IMPROVEMENTS PROGRAM**  
PROJECT NAME: **Grove Park Roadway Improvements Phase 2**  
PROJECT No.: **B-40347**



**MARKING & SIGNAGE PLAN**  
**NW 8TH TERRACE**

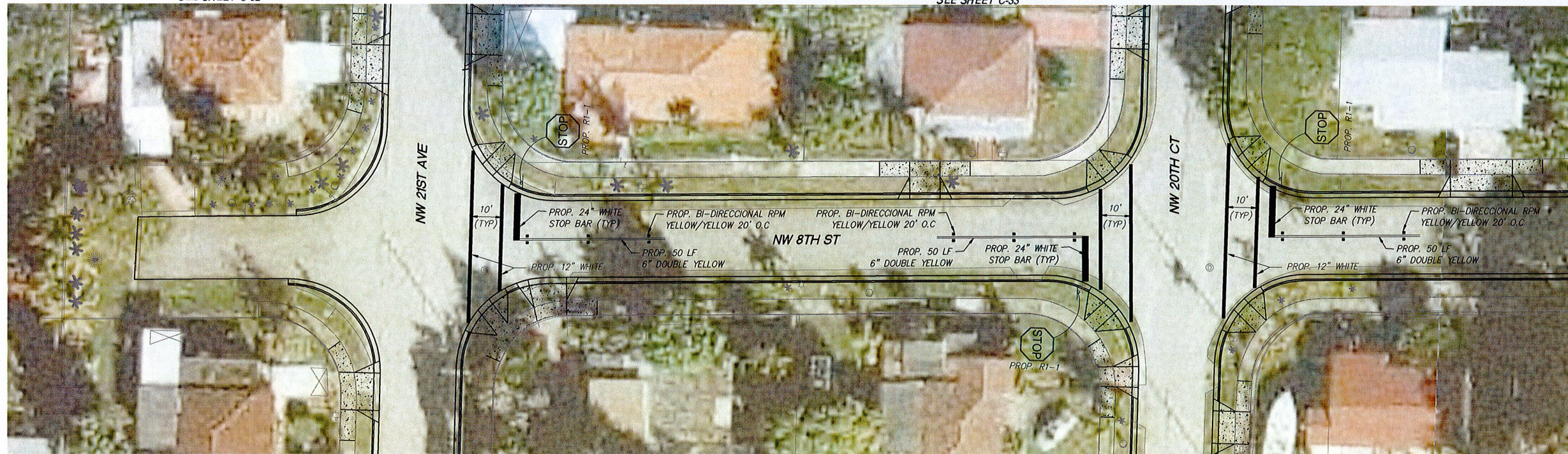
SHEET NO.  
**C-35**

REVISIONS		
DATE	BY	DESCRIPTION



FOR CONTINUATION  
SEE SHEET C-32

FOR CONTINUATION  
SEE SHEET C-33

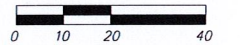


FOR CONTINUATION  
SEE SHEET C-32

FOR CONTINUATION  
SEE SHEET C-33



Scale: 1" = 20'  
(Reduced Scale: 1" = 40')



**LEGEND**

- Exist. Property Line
- Exist. Right of Way Line
- Center Line
- Exist. Type "F" Gutter
- Exist. Edge of Pavement
- Exist. Storm Drainage Pipe
- Exist. Chain Link Fence
- Monument Line
- Existing Catch Basin
- Exist. Light Pole w/ Pull Box
- Exist. Storm MH
- Exist. Fire Hydrant
- Exist. Trees To Remain
- Existing Elevation
- Proposed Pavement Grade  
0.30%
- Prop. Edge of Pavement
- Prop. Type "D" Curb
- Prop. Type "F" Curb & Gutter
- Existing Catch Basin
- Existing Drainage Trench
- Existing San. MH
- Existing Water Valve
- Prop. Catch Basin
- Prop. Drainage M.H.
- Reconstruct Conc. Sidewalk
- Milling and Resurfacing  
(Contractor Shall Resurface Up To Proposed Elevation)
- New Pavement Reconstruction
- Pavement Demolition

FOR CONTINUATION  
SEE BELOW

FOR CONTINUATION  
SEE SHEET C-34



FOR CONTINUATION  
SEE ABOVE

FOR CONTINUATION  
SEE SHEET C-34



REVISIONS		
DATE	BY	DESCRIPTION

EOR  
SEAN COMPEL, P.E.  
No. 66618  
DATE: 2/18/15  
SEAL



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**MARKING & SIGNAGE PLAN**  
**NW 8TH STREET**

SHEET NO.  
**C-36**