GRADING AS-BUILT SURVEY
CLOSURE OF THE FINGER CANAL
AT SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT
FILLING GRADES
11800 S.W 208 STREET, MIAMI, FLORIDA 33177

INDEX OF AS-BUILT

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SURVEYOR'S NOTES:

1. THIS IS AN AS–BUILT SURVEY. THIS IS NOT A BOUNDARY SURVEY.
2. THIS CERTIFIES THAT THIS AS–BUILT SURVEY, WAS PREPARED UNDER MY SUPERVISION AND THAT THIS SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYOR AND MAPPERS IN CHAPTER 5J–17.50 THROUGH 5J–17.52 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES.
3. THE SURVEY DEPICTED HERE IS COVERED BY PROFESSIONAL LIABILITY INSURANCE.
4. ALL ELEVATION REFER TO NGVD OF 1929.
5. ELEVATION HEREON WERE DERIVED FROM MIAMI–DADE COUNTY VERTICAL CONTROL POINTS AS SHOWN AS FOLLOWS:

* NAME: HAZEL ELEVATION: 7.55 (NGVD 1929)
LOCATOR: 6052 NW
LOCATION: SW 211 ST (CUTLER RIDGE BLVD) --- 105' SOUTH OF CENTERLINE
SW 112 AVE --- 0.3 MILE EAST OF CENTERLINE
DESCRIPTION: BRASS DISC IN CONC MON. (TRIANGULATION STA.)
NOTE:RM 1&2 NEARBY

* NAME: P–488–1–R ELEVATION: 11.61 (NGVD 1929)
LOCATOR: 6051 SW
LOCATION: US HWY #1 --- ON CENTERLINE
SW 112 AVE --- 79' EAST OF CENTERLINE
DESCRIPTION: PK NAIL AND BRASS WASHER IN CONC. OF NORTH BULLNOSE OF TRAFFIC DIVIDER.

6. DATE OF FIELD WORK: AUG./2016.
7. STATE PLANE COORDINATE USED AS FOLLOW:
PROVIDED BY: MIAMI DADE COUNTY GPS CONTROL POINT
STATION DESIGNATION: BC–32 # 82
LATITUDE: N 25° 34' 50.907436" LONGITUDE: W 80° 22' 48.279572"
NORTHING: 453814.453 (US FEET) EASTING: 860500.001 (US FEET)
COORDINATE SYSTEM: US STATE PLANE 1983
HORIZONTAL DATUM: NAD 1983/93
STATE PLANE ZONE: FLORIDA EAST 901.
DESCRIPTION: THE STATION IS LOCATED ON THE SOUTH SIDE OF SW 200th STREET AND IS BETWEEN SW 116th AVENUE AND SW 117th AVENUE. THE MARK IS A DADE COUNTY PUBLIC WORKS BRASS DISK SET IN CONCRETE AND IS STAMPED "BC–32" THE METRO–DADE COUNTY LOCATOR NUMBER IS "6901"
8. ALL EXISTING BOTTOM GRADE ELEVATIONS TAKEN FROM THE CROSS SECTIONS AS SHOWN IN THE PLANS PERFORMED BY NOVA CONSULTING & CDM SMITH, PROJECT No. 6430–107214, IN SHEETS C–4 AND C–5, BID SET FOR CLOSURE OF THE FINGER CANAL AT THE SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT.
9. CERTIFIED TO: CITY OF SOUTH MIAMI.

I HEREBY CERTIFY THAT THE AS–BUILT SURVEY OF THE PROPERTY AS DESCRIBED IN THE FOREGOING CAPTION HAS BEEN MADE UNDER MY DIRECTION AND IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT.

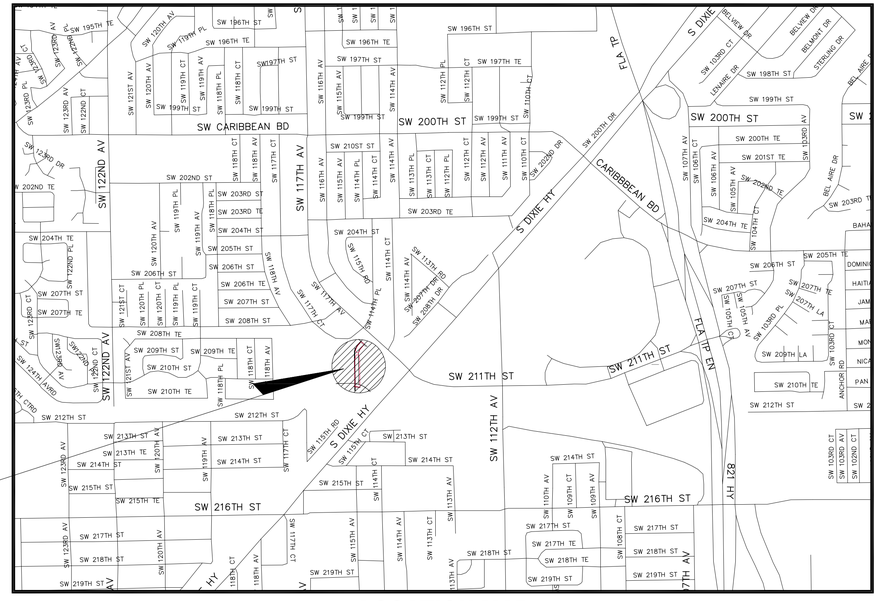
CERTIFIED TO: CITY OF SOUTH MIAMI.

NOTE:NOT A VALID SURVEY WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A FLORIDA REGISTERED SURVEYOR AND MAPPER

MICHAEL CAROZZA, P.S.M.
PROFESSIONAL SURVEYOR AND MAPPER
STATE OF FLORIDA, No. 6965

LEGEND & ABBREVIATIONS

ABBREVIATION	SYMBOL	DEFINITION
℄		CENTERLINE
℄		BASELINE
ℳ		MONUMENT LINE
ℙ		PROPERTY LINE
R/W		RIGHT–OF–WAY LINE
4"G	G	GAS MAIN & SIZE
4"WM	WM	WATER MAIN & SIZE
		EXISTING FORCE MAIN REMOVED/ABANDONED IN PLACE
WM		EXISTING WATER METER
WM		EXISTING WATER METER BANK
WM		WATER METER
WM		WATER METER BANK
C.V.		CORP. STOP (CONTROL METER VALVE)
G.V.		GATE VALVE
GV		EXISTING GATE VALVE
MH		EXISTING MANHOLE
MH		SANITARY MANHOLE
MH		SANITARY MANHOLE IN GRASS AREA
ST–MH		STORM–MANHOLE
CB		CATCH BASIN
CB		CATCH BASIN, EXFILTRATION TRENCH
EL.	9.90	GRADE ELEVATIONS
		EXISTING TAPPING SLEEVE W/ TAPPING VALVE
		TAPPING SLEEVE W/ TAPPING VALVE
		BENDS, (90°, 45°)
		BENDS, (22–1/2°, 11–1/4°)
		EXISTING PLUG & FLUSHING VALVE OUTLET
		PLUG & FLUSHING VALVE OUTLET
FH		EXISTING FIRE HYDRANT
FH		FIRE HYDRANT
LT.		LEFT
RT.		RIGHT
ARV		AIR RELEASE VALVE
BFP		BACKFLOW PREVENTER
C.I.P.		CAST IRON PIPE
C.P.		CLAY PIPE
DIM.		DIMENSION(S)
DIP		DUCTILE IRON PIPE
EXT.		EXTERIOR
F.C.		FROM CENTER
F.M.		FORCE MAIN
F.V.O.		FLUSHING VALVE OUTLET
HDPE		HIGH–DENSITY POLYETHYLENE
INT.		INTERIOR
O/S		OFFSET
P.B.		PLAT BOOK
PG.		PAGE
P.V.C.		POLYVINYL CHLORIDE
RAS		RETURN ACTIVATED SLUDGE
T.C.		TO CENTER
T.O.P.		TOP OF PIPE
W.M.		WATER MAIN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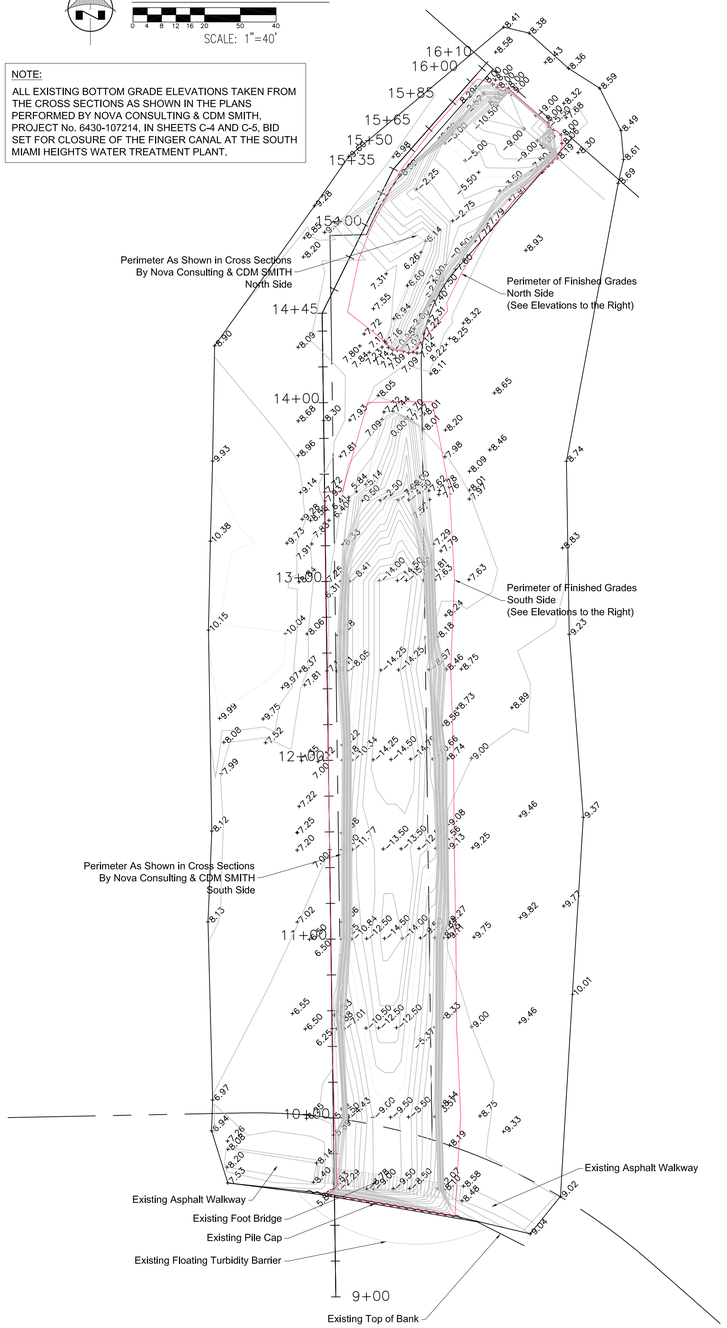
FINGER CANAL PLAN
EXISTING BOTTOM GRADES

0 4 8 12 16 20 50 40
SCALE: 1"=40'

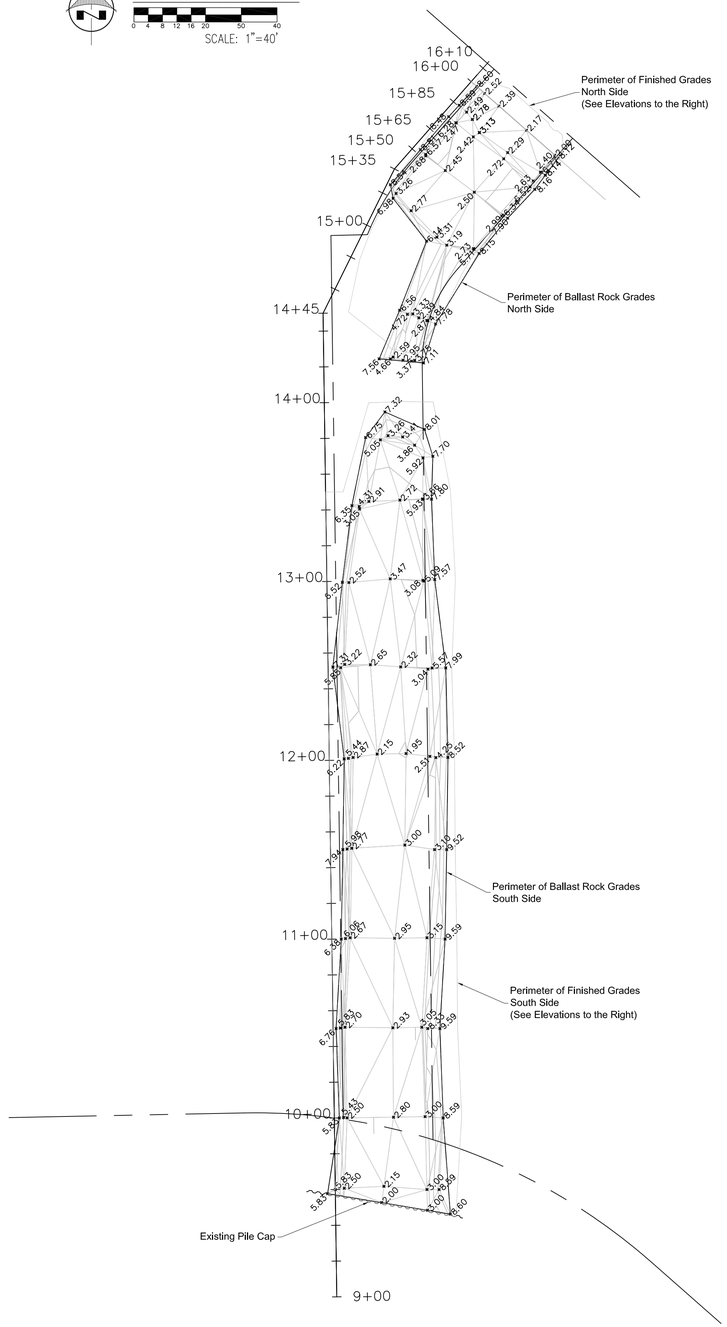
NOTE:

ALL EXISTING BOTTOM GRADE ELEVATIONS TAKEN FROM THE CROSS SECTIONS AS SHOWN IN THE PLANS PERFORMED BY NOVA CONSULTING & CDM SMITH, PROJECT No. 6430-107214, IN SHEETS C-4 AND C-5. BID SET FOR CLOSURE OF THE FINGER CANAL AT THE SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT.



FINGER CANAL PLAN
ROCK FILLING GRADES

0 4 8 12 16 20 50 40
SCALE: 1"=40'



FINGER CANAL PLAN
FINISHED GRADES

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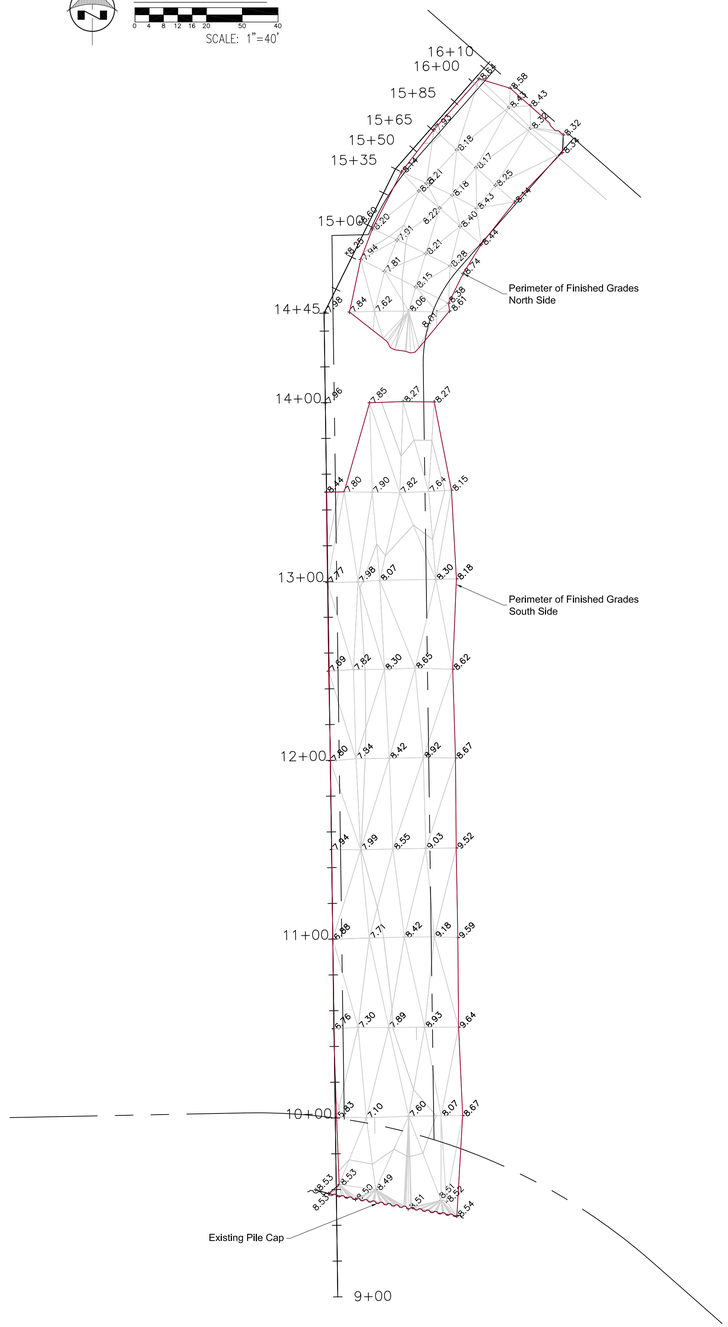
SCALE: 1"=40'



ABBREVIATIONS:

RGS = Denotes Ballast Rock Grade Surface
FGS = Denotes Finished Grade Surface
Sq. Ft. = Denotes Square Feet
Cu. Yd. = Denotes Cubic Yards

Fill Report

Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
FGS South	full	1.000	1.000	24357.29	4026.92	4025.35<Fill>
FGS North	full	1.000	1.000	6120.42	1045.36	1044.90<Fill>

Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
RGS North	full	1.000	1.000	6583.39	1084.74	997.83<Fill>
RGS South	full	1.000	1.000	24439.31	10335.29	10316.63<Fill>

Totals

	2d Area (Sq. Ft.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	61500.41	16492.31	16384.71<Fill>

I HEREBY CERTIFY THAT THE AS-BUILT SURVEY OF THE PROPERTY AS DESCRIBED IN THE FOREGOING CAPTION HAS BEEN MADE UNDER MY DIRECTION AND IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT.

CERTIFIED TO: CITY OF SOUTH MIAMI.

NOTE:NOT A VALID SURVEY WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A FLORIDA REGISTERED SURVEYOR AND MAPPER

MICHAEL CAROZZA, P.S.M.
PROFESSIONAL SURVEYOR AND MAPPER
STATE OF FLORIDA, No. 6965

No.	DATE	BY	APP.	REVISION

Project Name: GRADING AS-BUILT SURVEY - CLOSURE OF THE FINGER CANAL AT SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT FILLING GRADES
11800 S.W 208 STREET, MIAMI, FLORIDA 33177

MPG TECHNICAL GROUP CORP.
CERTIFICATE OF AUTH. # LB-6932
908 S.W. 141st Avenue,
Miami, Florida 33184
Ph, (305) 559-9043 Fax. (305)559-6914

Project: AS-BUILT
Date: AUG./2016
Scale: AS SHOWN
Drawn: SETOFPLANS.COM
Job: 160808
Sheet C-1
2 OF 4 Sheets

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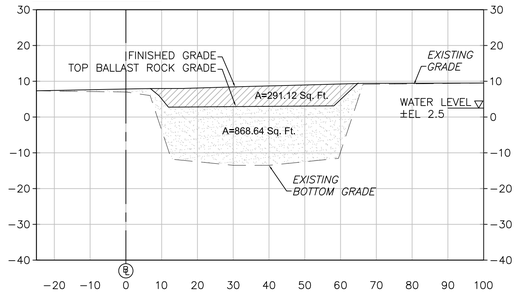

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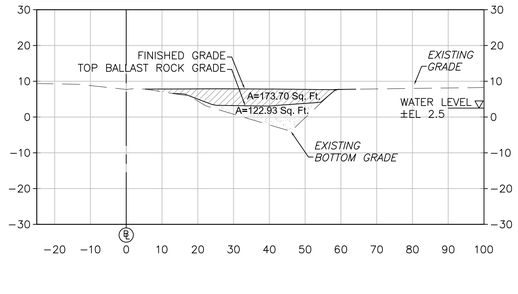

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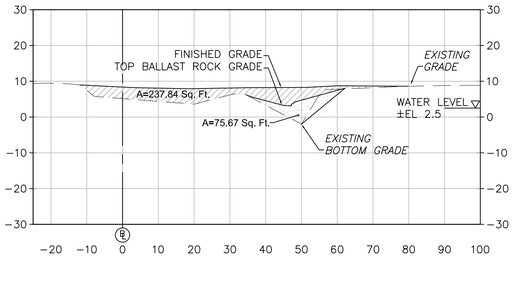

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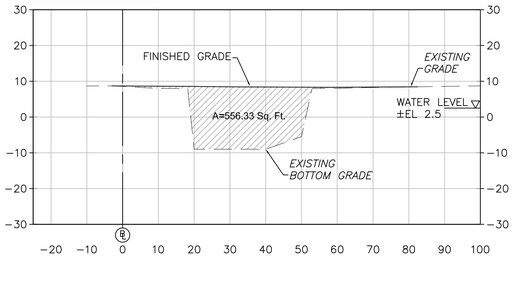

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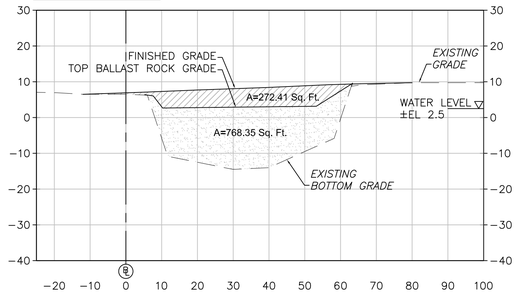

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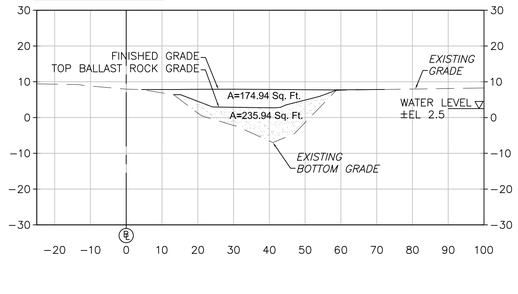

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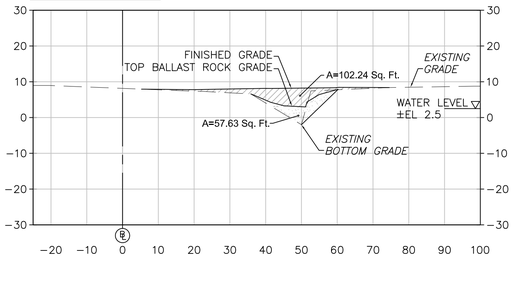

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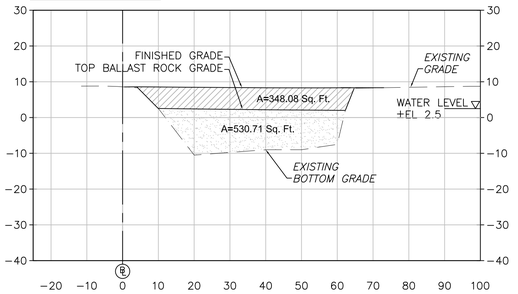

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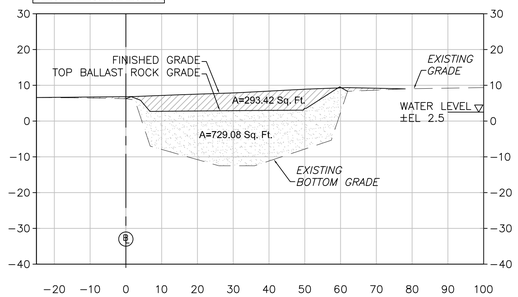

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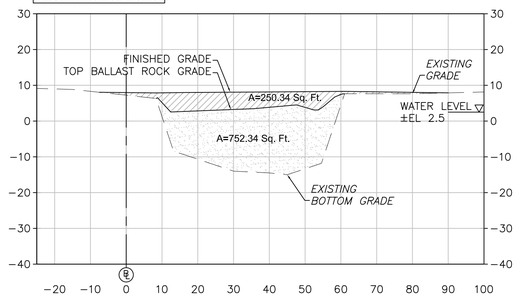

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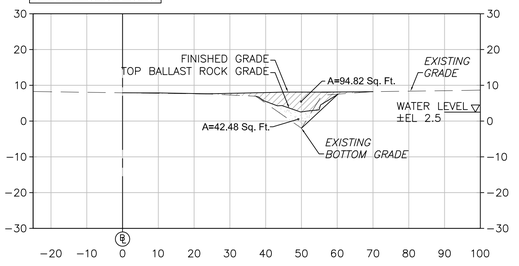

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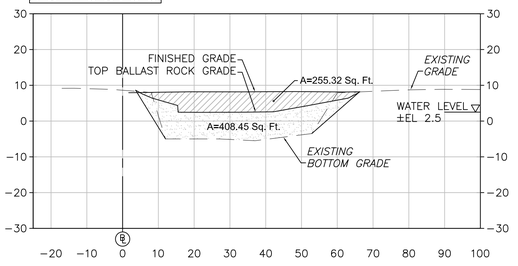

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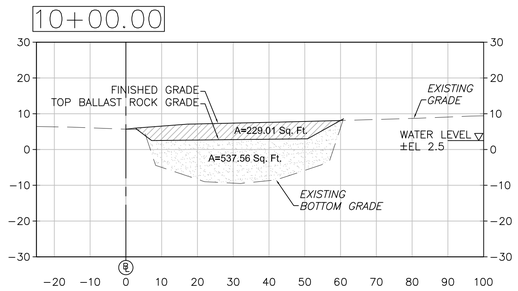

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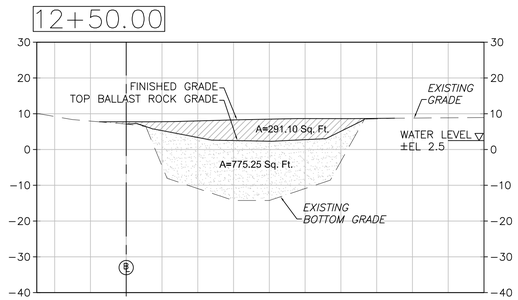

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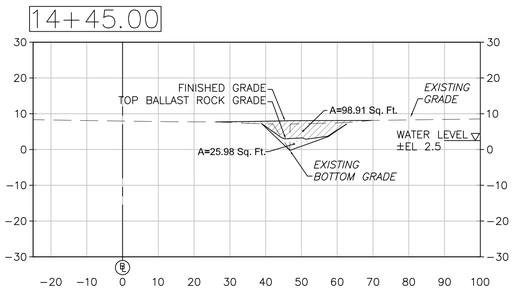

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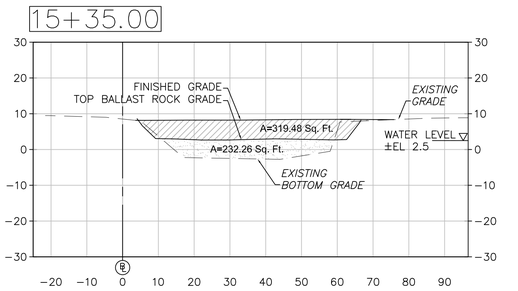

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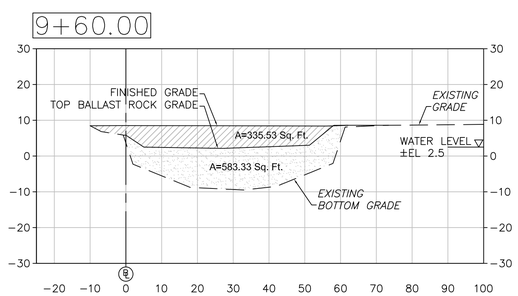

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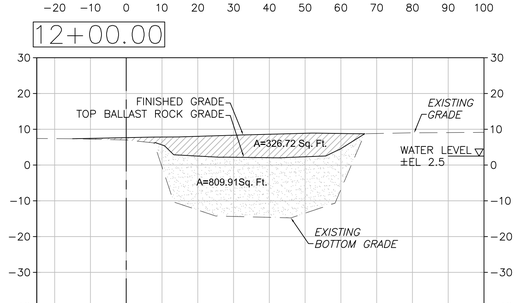

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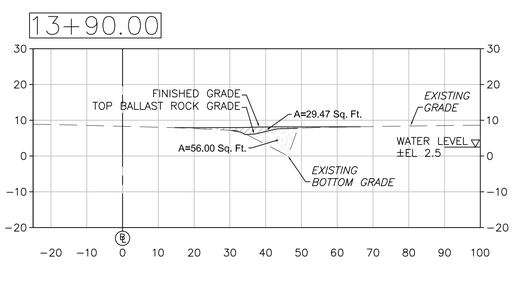

NOTE:
ALL EXISTING BOTTOM GRADE ELEVATIONS TAKEN FROM THE CROSS SECTIONS AS SHOWN IN THE PLANS PERFORMED BY NOVA CONSULTING & CDM SMITH, PROJECT No. 6430-107214, IN SHEETS C-4 AND C-5, BID SET FOR CLOSURE OF THE FINGER CANAL AT THE SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT.

FINGER CANAL CROSS SECTIONS

SCALE: 1"=40'

ABBREVIATIONS:

= Denotes Ballast Rock
= Denotes Finished Backfill
Sq. Ft. = Denotes Square Feet

I HEREBY CERTIFY THAT THE AS-BUILT SURVEY OF THE PROPERTY AS DESCRIBED IN THE FOREGOING CAPTION HAS BEEN MADE UNDER MY DIRECTION AND IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT.

CERTIFIED TO: CITY OF DORAL.

NOTE:NOT A VALID SURVEY WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A FLORIDA REGISTERED SURVEYOR AND MAPPER

MICHAEL CAROZZA, P.S.M.
PROFESSIONAL SURVEYOR AND MAPPER
STATE OF FLORIDA, No. 6965

No.	DATE	BY	APP.	REVISION

Project Name: GRADING AS-BUILT SURVEY - CLOSURE OF THE FINGER CANAL AT SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT
FILLING GRADES
11800 S.W 208 STREET, MIAMI, FLORIDA 33177

MPG TECHNICAL GROUP CORP.
CERTIFICATE OF AUTH. # LB-6932
908 S.W. 141st Avenue,
Miami, Florida 33184
Ph. (305) 559-9043 Fax. (305)559-8914

Project: AS-BUILT
Date: JULY/2016
Scale: AS SHOWN
Drawn: SETOFPLANS.COM
Job: 160808

Sheet
C-2
3 Of 4 Sheets

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