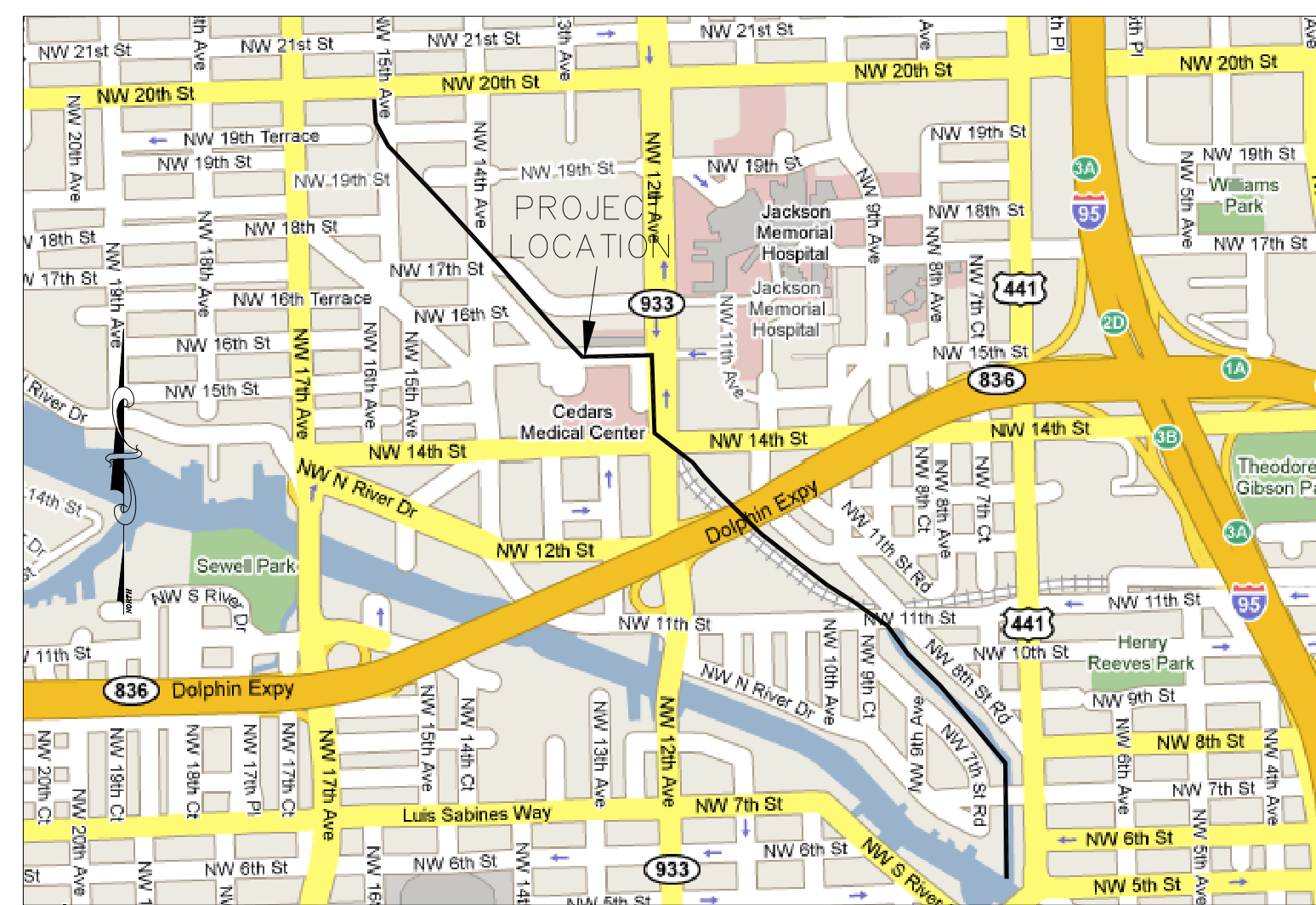
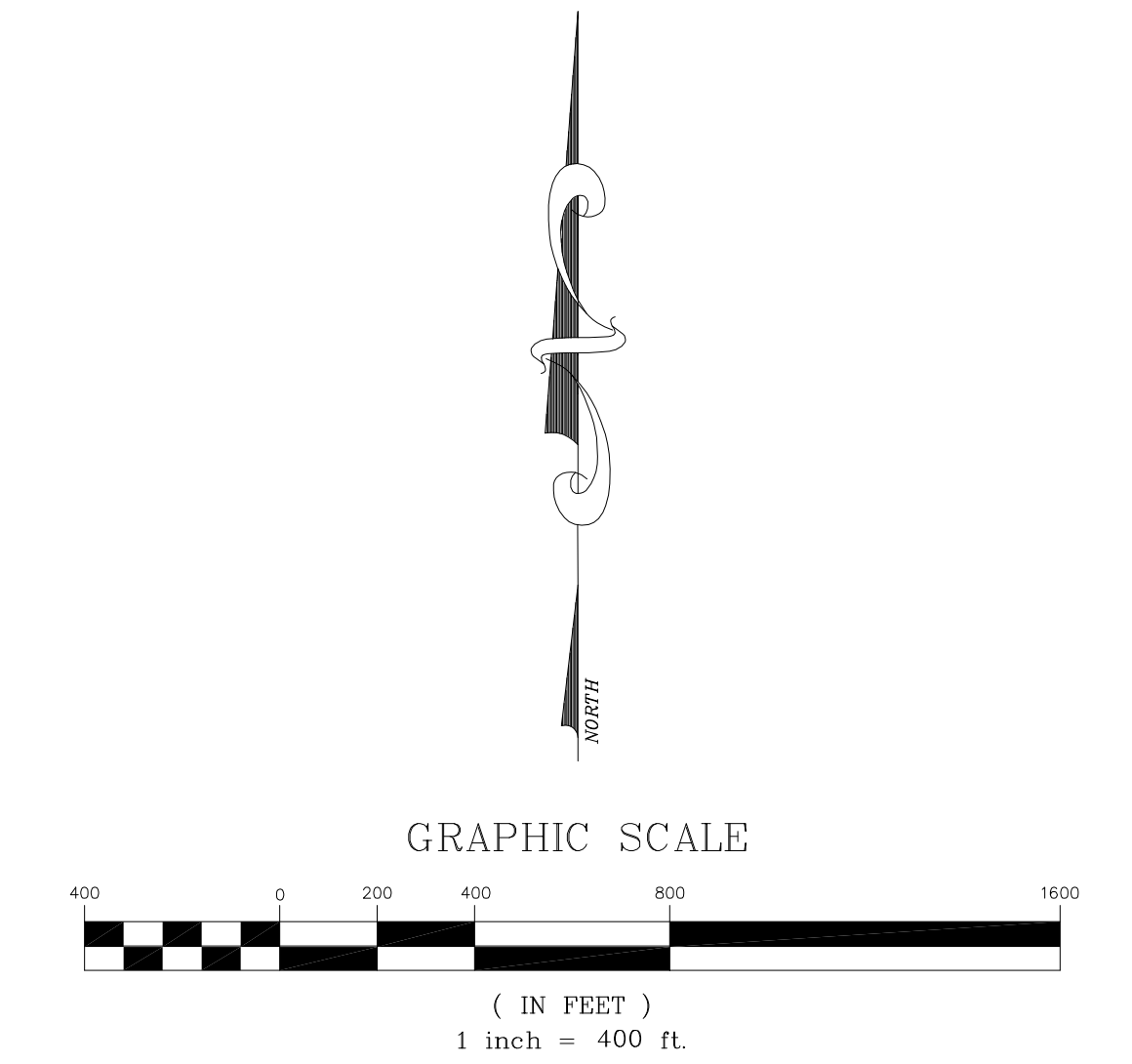
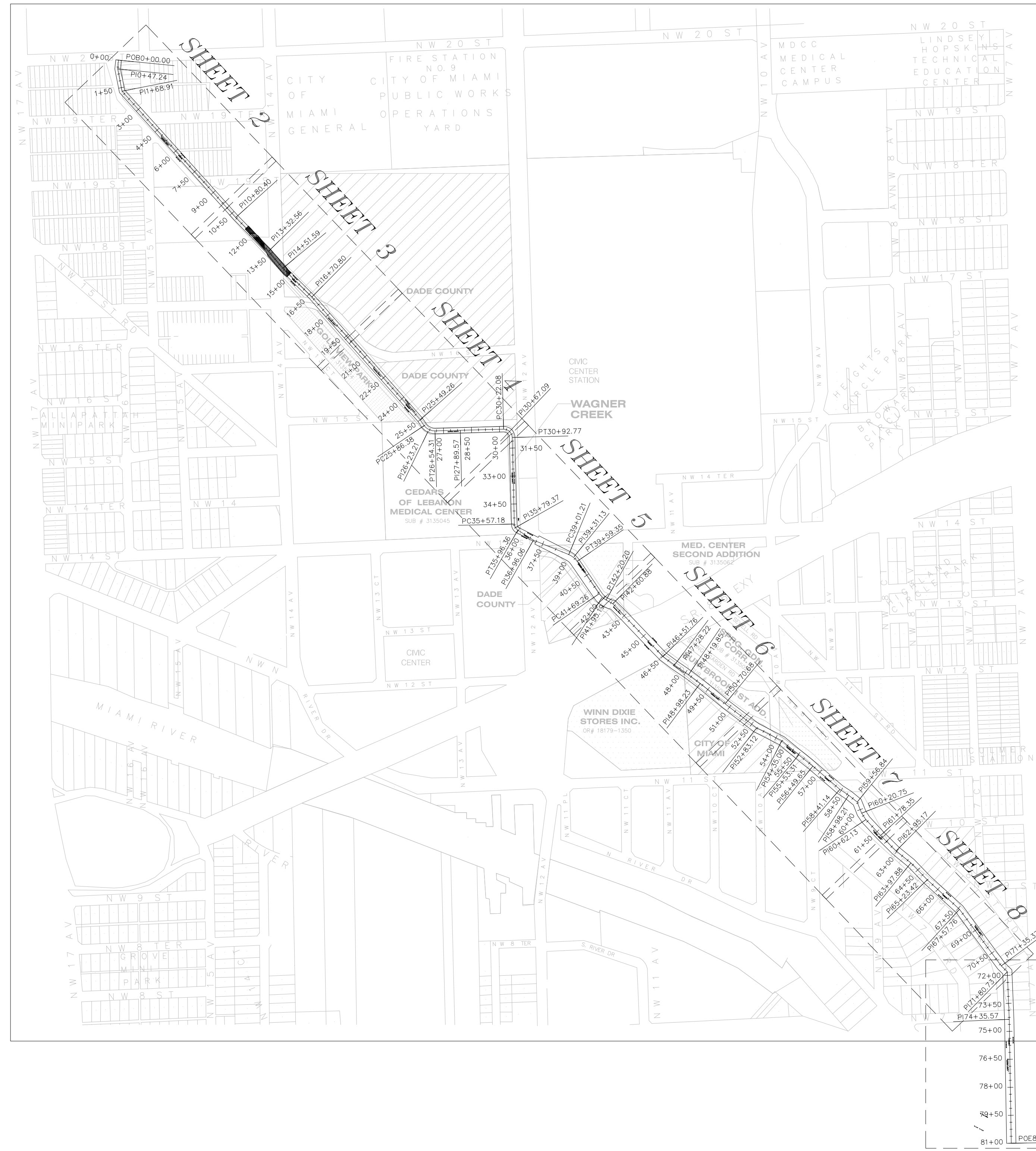
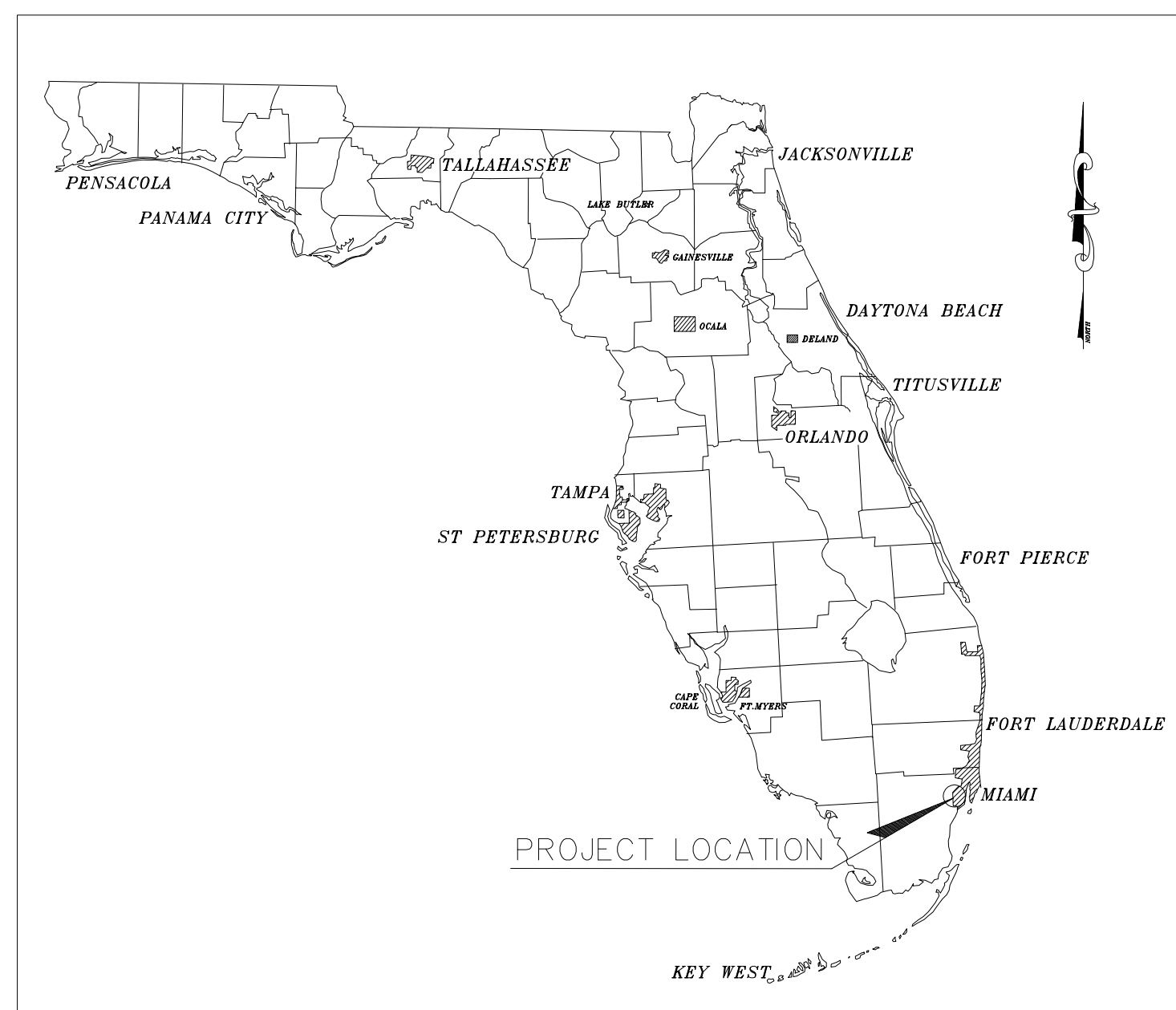


MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA FOR: CH2MHILL



VICINITY MAP
NOT TO SCALE



| LEGEND/ABBREVIATIONS | | | |
|----------------------|-----------------------|--|-------------------------------|
| | TRAFFIC CONTROL BOX | | DEBRIS LOCATION |
| | CABLE BOX | | STRUCTURE LOCATION |
| | TELEPHONE LOCATION | | CORE SAMPLE LOCATION |
| | ELECTRIC BOX | | GAS UTILITY LINE |
| | TELEPHONE MANHOLE | | ELECTRIC UTILITY LINE |
| | ELECTRIC HAND HOLE | | TELEPHONE UTILITY LINE |
| | DRAINAGE MANHOLE | | OVERHEAD UTILITY LINE |
| | SANITARY HANDHOLD | | UNDERGROUND STREET LIGHT LINE |
| | SPRINKLER | | IRON PIPE |
| | SECURITY CAMERA | | IDENTIFICATION |
| | ID | | IRON ROD |
| | CONTROL VALVE | | SEWER PIPE |
| | WATER VALVE | | TOP OF BANK |
| | WATER METER | | REINFORCED CONCRETE PIPE |
| | ELECTRIC METER | | CORRUGATED METAL PIPE |
| | FIRE HYDRANT | | POLY VINYL CHLORIDE |
| | 3" PVC PIPE | | MAN HOLE |
| | SIGN | | HEAD WALL |
| | LIGHT POLE | | RIGHT OF WAY |
| | WOOD UTILITY POLE | | INVERT |
| | CONCRETE UTILITY POLE | | MITERED END SECTION |
| | GUY ANCHOR | | CONC. |
| | BIOLOGICAL LOCATION | | MON. |
| | CRACK LOCATION | | |

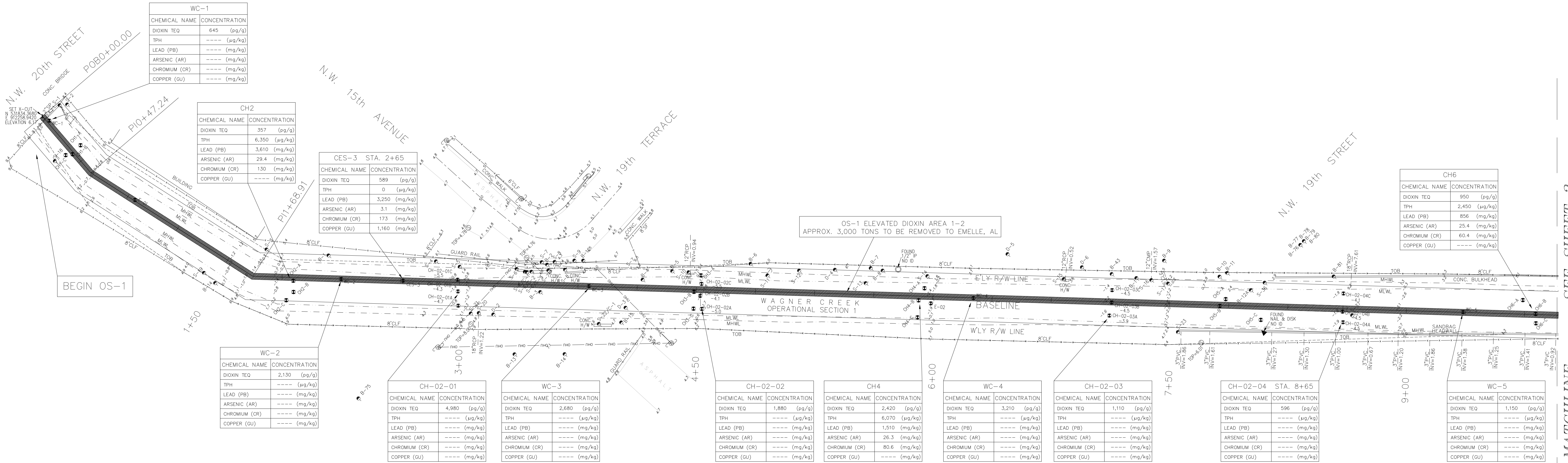
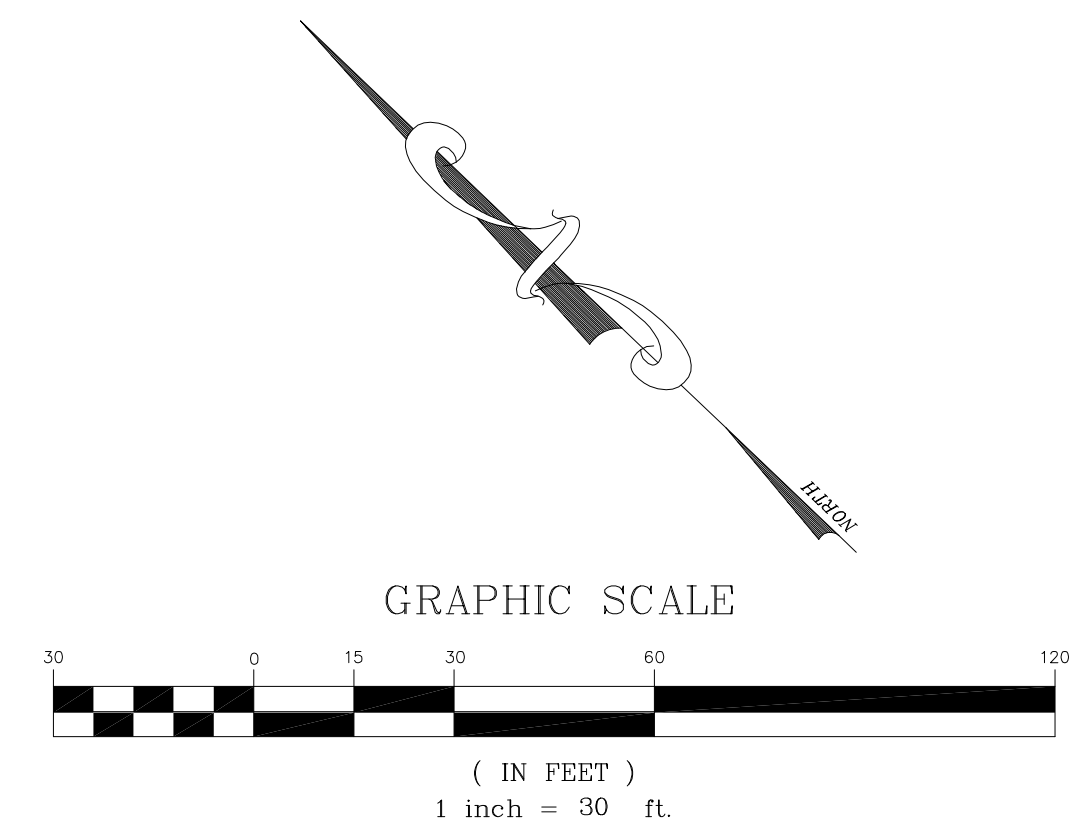
- SURVEY NOTES:**
- ALL DIMENSIONS SHOWN HEREON ARE IN FEET AND IN TENTHS AND ARE BASED ON THE U.S. SURVEY FOOT.
 - ABOVE GROUND EVIDENCE OF UNDERGROUND FEATURES (I.E. UTILITIES, TANKS, RAILROAD TRACKS, ETC.) ARE SHOWN HEREON. UNDERGROUND UTILITIES ARE SHOWN AS MARKED BY SUNSHINE STATE ONE CALL UTILITY LOCATING SERVICE.
 - PARCEL BOUNDARY LOCATIONS AND SOME MINOR PLANIMETRIC INFORMATION WAS OBTAINED FROM A PREVIOUS SURVEY BY WEIDENER SURVEYING AND MAPPING, DATED: JUNE 12, 2002.
 - SURVEYS FIELD DATA WAS OBTAINED FROM JUNE 23, 2008 THRU JULY 17, 2008.
 - BACKGROUND IMAGERY WAS OBTAINED FROM GOOGLE EARTH AND IS FOR REFERENCE PURPOSES ONLY.
 - BATHYMETRIC DATA WAS OBTAINED WITH A RESON 210 ECHO SOUNDER. POSITIONAL DATA WAS OBTAINED WITH A TRIMBLE 5800 REAL TIME KINEMATIC GPS SURVEYING SYSTEM.
 - COORDINATES SHOWN HEREON ARE BASED ON A CITY OF MIAMI BENCHMARK LOCATED AT THE SOUTHWEST CORNER OF NW 13th AVE., AND ARE REFERENCED TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 - ELEVATIONS SHOWN HEREON ARE BASED ON A CITY OF MIAMI BENCHMARK LOCATED AT THE SOUTHWEST CORNER OF NW 13th AVE., HAVING AN ELEVATION OF 5.37 FEET, AND IS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
 - THE BIOLOGICAL LOCATIONS, CRACK LOCATIONS, DEBRIS LOCATIONS, AND STRUCTURE LOCATIONS SHOWN ON THIS SURVEY WERE IDENTIFIED BY THE ENVIRONMENTAL CONSULTING FIRM OF MILIAN, SWAIN & ASSOCIATES, 2257 VISTA PARKWAY, SUITE #19, WEST PALM BEACH, FLORIDA, 33411. INFORMATION REQUESTS IN REGARD TO THESE LOCATIONS SHOULD BE DIRECTED TO MILIAN, SWAIN & ASSOCIATES.
 - THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.
 - WAGNER CREEK AND SEYBOLD CANAL ARE TIDAL WATERS AND THEREFORE TITLE TO THE LANDS BELOW THE MEAN HIGH WATER LINE, ELEVATION 1.88 NGVD29, IS VESTED IN THE BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA.

| | | | | | | | | | |
|--|---|--|--|---------------------------|--------------------------|--|-------------------------------------|---|-------------------------|
| | 5202 San Juan Ave. Jacksonville, Florida 32210 Tel. (904)384-8377 Fax (904)384-8388 www.arcsurveyors.com Licensed Business # 6487 | DADE COUNTY, FLORIDA WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | File name: 071007.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-01-08 | No. Approved Date Description | CERTIFICATION: I HEREBY CERTIFY THAT THE INFORMATION DEPICTED HEREON IS TRUE AND COMPLETE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO CHAPTER 472 OF THE FLORIDA STATUTES. MITCHELL R. JARRELLS FLORIDA REGISTERED CERTIFICATE NO. 6438 | PROJECT NO. 07-10-07 |
| | | | Reference files: Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 07-17-08 | Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | FILE NO. C-08-29 |

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA

| CES-1 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 6.81 (pg/g) |
| TPH | 0 (µg/kg) |
| LEAD (PB) | 7.23 (mg/kg) |
| ARSENIC (AR) | 0 (mg/kg) |
| CHROMIUM (CR) | 7.74 (mg/kg) |
| COPPER (GU) | 4.13 (mg/kg) |

| CES-2 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 17.5 (pg/g) |
| TPH | 21,300 (µg/kg) |
| LEAD (PB) | 64.2 (mg/kg) |
| ARSENIC (AR) | 0 (mg/kg) |
| CHROMIUM (CR) | 24.5 (mg/kg) |
| COPPER (GU) | 40.2 (mg/kg) |



| WC-1 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 645 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH2 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 357 (pg/g) |
| TPH | 6,350 (µg/kg) |
| LEAD (PB) | 3,610 (mg/kg) |
| ARSENIC (AR) | 29.4 (mg/kg) |
| CHROMIUM (CR) | 130 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CES-3 STA. 2+65 | |
|-----------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 589 (pg/g) |
| TPH | 0 (µg/kg) |
| LEAD (PB) | 3,250 (mg/kg) |
| ARSENIC (AR) | 3.1 (mg/kg) |
| CHROMIUM (CR) | 173 (mg/kg) |
| COPPER (GU) | 1,160 (mg/kg) |

| CH6 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 950 (pg/g) |
| TPH | 2,450 (µg/kg) |
| LEAD (PB) | 856 (mg/kg) |
| ARSENIC (AR) | 25.4 (mg/kg) |
| CHROMIUM (CR) | 60.4 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| WC-2 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 2,130 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH-02-01 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 4,980 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| WC-3 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 2,680 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH-02-02 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 1,880 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH4 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 2,420 (pg/g) |
| TPH | 6,070 (µg/kg) |
| LEAD (PB) | 1,510 (mg/kg) |
| ARSENIC (AR) | 26.3 (mg/kg) |
| CHROMIUM (CR) | 80.6 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| WC-4 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 3,210 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH-02-03 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 1,110 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH-02-04 STA. 8+65 | |
|--------------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 596 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| WC-5 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 1,150 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| LEGEND/ABBREVIATIONS | | | |
|----------------------|-----------------------|--|-------------------------------|
| | TRAFFIC CONTROL BOX | | MEAN HIGH WATER LINE 1.88' |
| | CABLE BOX | | MEAN LOW WATER LINE -0.10' |
| | TELEPHONE BOX | | CORE SAMPLE LOCATION |
| | ELECTRIC BOX | | GAS UTILITY LINE |
| | TELEPHONE MANHOLE | | ELECTRIC UTILITY LINE |
| | ELECTRIC HAND HOLE | | TELEPHONE UTILITY LINE |
| | DRAINAGE MANHOLE | | OVERHEAD UTILITY LINE |
| | SANITARY HANDHOLD | | UNDERGROUND STREET LIGHT LINE |
| | SPRINKLER | | IRON PIPE |
| | SECURITY CAMERA | | IDENTIFICATION |
| | CONTROL VALVE | | IRON ROD |
| | WATER VALVE | | SEWER PIPE |
| | WATER METER | | TOP OF BANK |
| | ELECTRIC METER | | CHAIN LINK FENCE |
| | FIRE HYDRANT | | REINFORCED CONCRETE PIPE |
| | 3" PVC PIPE | | CORRUGATED METAL PIPE |
| | SIGN | | POLY VINYL CHLORIDE |
| | LIGHT POLE | | MAN HOLE |
| | WOOD UTILITY POLE | | HEAD WALL |
| | CONCRETE UTILITY POLE | | RIGHT OF WAY |
| | GUY ANCHOR | | INVERT |
| | BIOLOGICAL LOCATION | | MITERED END SECTION |
| | CRACK LOCATION | | CONCRETE MONUMENT |
| | DEBRIS LOCATION | | |
| | STRUCTURE LOCATION | | |

DADE COUNTY, FLORIDA

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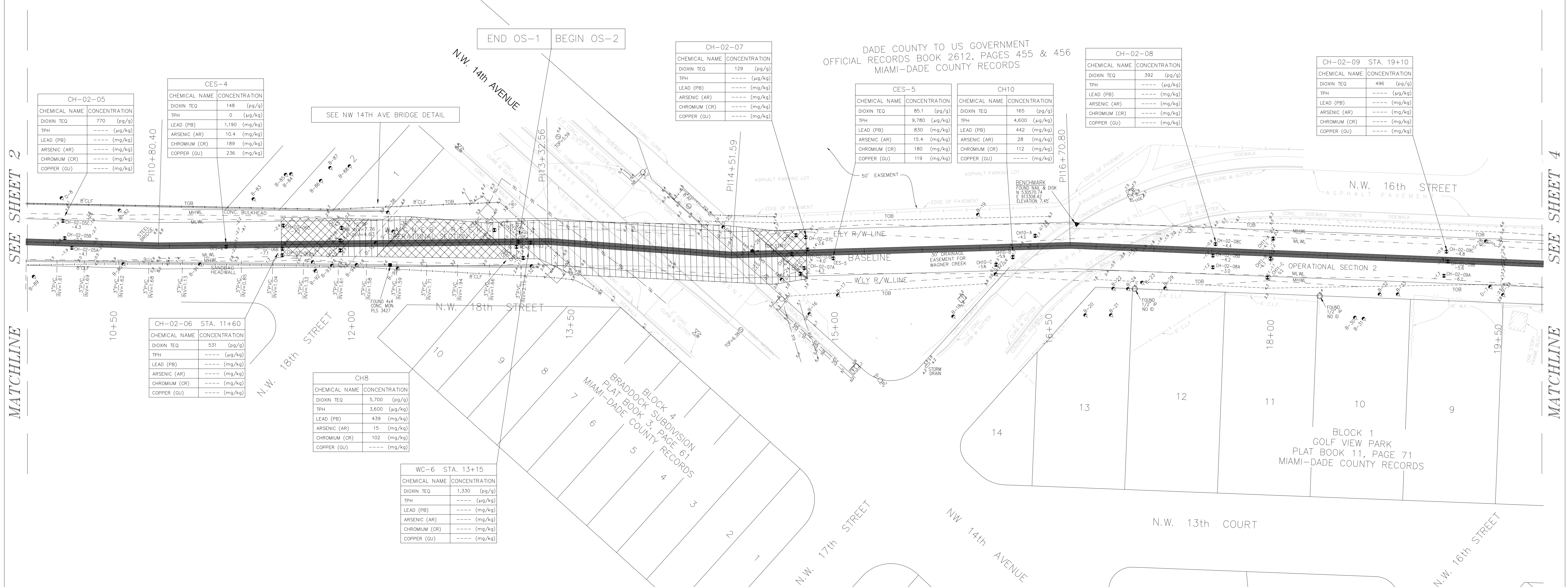
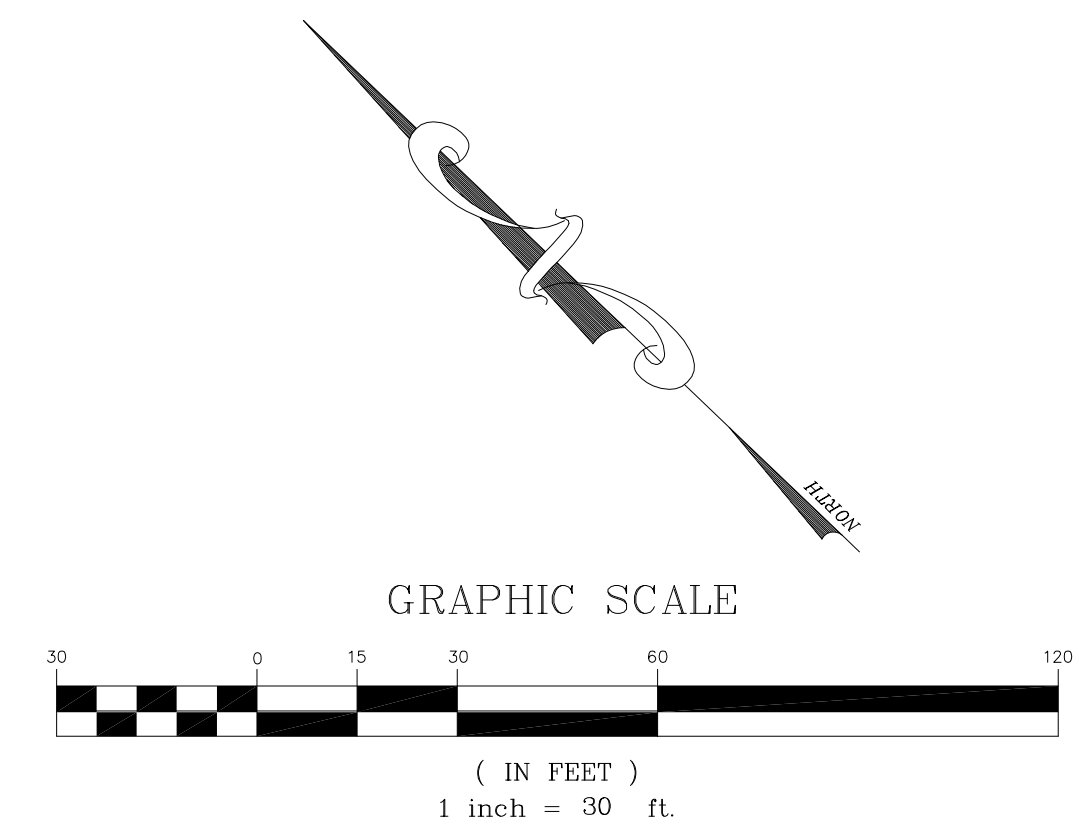
| | | | | | | | |
|---|-------------------------|--------------|-------------|--------------|----------|---------------|----------|
| File name: | 071007.DWG | Party Chief: | P. SAWYER | Dwn by: | JkM | Drawing Date: | 08-01-08 |
| Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: | JES | Survey Date: | 07-17-08 | | |
| Survey Performed for: | | | | | | | |
| CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | |
| No. | Approved | Date | Description | | | | |
| | | | | | | | |

OPERATIONAL SECTION 1

| | |
|-------------|----------|
| PROJECT NO. | 07-10-07 |
| FILE NO. | C-08-29 |
| SHEET | 2 OF 16 |

MATCHLINE SEE SHEET 3

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA



| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 770 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 148 (pg/g) |
| TPH | 0 (ug/kg) |
| LEAD (PB) | 1,190 (mg/kg) |
| ARSENIC (AR) | 10.4 (mg/kg) |
| CHROMIUM (CR) | 189 (mg/kg) |
| COPPER (CU) | 236 (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 129 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 85.1 (pg/g) |
| TPH | 9,780 (ug/kg) |
| LEAD (PB) | 830 (mg/kg) |
| ARSENIC (AR) | 15.4 (mg/kg) |
| CHROMIUM (CR) | 180 (mg/kg) |
| COPPER (CU) | 119 (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 165 (pg/g) |
| TPH | 4,600 (ug/kg) |
| LEAD (PB) | 442 (mg/kg) |
| ARSENIC (AR) | 28 (mg/kg) |
| CHROMIUM (CR) | 112 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 392 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 496 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 531 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 5,700 (pg/g) |
| TPH | 3,600 (ug/kg) |
| LEAD (PB) | 439 (mg/kg) |
| ARSENIC (AR) | 15 (mg/kg) |
| CHROMIUM (CR) | 102 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CHEMICAL NAME | CONCENTRATION |
|---------------|---------------|
| DIOXIN TEQ | 1,330 (pg/g) |
| TPH | ---- (ug/kg) |
| LEAD (PB) | ---- (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | ---- (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

SEE SHEET 2

SEE SHEET 4

MATCHLINE

MATCHLINE

| LEGEND/ABBREVIATIONS | |
|----------------------|-------------------------------|
| ⊠ | TRAFFIC CONTROL BOX |
| ⊡ | CABLE BOX |
| ⊢ | TELEPHONE BOX |
| ⊣ | ELECTRIC BOX |
| ⊤ | TELEPHONE MANHOLE |
| ⊥ | ELECTRIC HAND HOLE |
| ⊦ | DRAINAGE MANHOLE |
| ⊧ | SANITARY HANDHOLD |
| ⊨ | SPRINKLER |
| ⊩ | SECURITY CAMERA |
| ⊪ | CONTROL VALVE |
| ⊫ | WATER VALVE |
| ⊬ | WATER METER |
| ⊭ | ELECTRIC METER |
| ⊮ | FIRE HYDRANT |
| ⊯ | 3" PVC PIPE |
| ⊰ | SIGN |
| ⊱ | LIGHT POLE |
| ⊲ | WOOD UTILITY POLE |
| ⊳ | CONCRETE UTILITY POLE |
| ⊴ | GUY ANCHOR |
| ⊵ | BIOLOGICAL LOCATION |
| ⊶ | CRACK LOCATION |
| ⊷ | DEBRIS LOCATION |
| ⊸ | STRUCTURE LOCATION |
| --- | MEAN HIGH WATER LINE 1.88' |
| --- | MEAN LOW WATER LINE -0.10' |
| CH | CORE SAMPLE LOCATION |
| --- | GAS UTILITY LINE |
| --- | ELECTRIC UTILITY LINE |
| --- | TELEPHONE UTILITY LINE |
| --- | OVERHEAD UTILITY LINE |
| --- | UNDERGROUND STREET LIGHT LINE |
| IP | IRON PIPE |
| ID | IDENTIFICATION |
| IR | IRON ROD |
| SP | SEWER PIPE |
| TOB | TOP OF BANK |
| CLF | CHAIN LINK FENCE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| M/H | MAN HOLE |
| H/W | HEAD WALL |
| R/W | RIGHT OF WAY |
| INV | INVERT |
| M.E.S. | MITERED END SECTION |
| CONC. | CONCRETE |
| MON. | MONUMENT |

DADE COUNTY, FLORIDA

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| | | | | | | | |
|--|----------------------------|--------------|-------------|--------------|----------|---------------|----------|
| File name: | 071007.DWG | Party Chief: | P. SAWYER | Dwn by: | JKM | Drawing Date: | 08-01-08 |
| Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: | JES | Survey Date: | 07-17-08 | | |
| Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | |
| No. | Approved | Date | Description | | | | |
| | | | | | | | |

OPERATIONAL SECTIONS 1 & 2

| | |
|-------------|----------|
| PROJECT NO. | 07-10-07 |
| FILE NO. | C-08-29 |
| SHEET | 3 of 16 |

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA

DADE COUNTY TO US GOVERNMENT
OFFICIAL RECORDS BOOK 2612, PAGES 455 & 456
MIAMI-DADE COUNTY RECORDS

| CH12 | |
|---------------|-----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 2,050 (pg/g) |
| TPH | 163,000 (µg/kg) |
| LEAD (PB) | 1,230 (mg/kg) |
| ARSENIC (AR) | 15.7 (mg/kg) |
| CHROMIUM (CR) | 393 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CH-02-10 STA. 21+75 | |
|---------------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 193 (pg/g) |
| TPH | ----- (µg/kg) |
| LEAD (PB) | ----- (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | ----- (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CH14 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 523 (pg/g) |
| TPH | 40,200 (µg/kg) |
| LEAD (PB) | 610 (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | 11.8 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CES-6 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 139 (pg/g) |
| TPH | 92,400 (µg/kg) |
| LEAD (PB) | 157 (mg/kg) |
| ARSENIC (AR) | 0 (mg/kg) |
| CHROMIUM (CR) | 12.6 (mg/kg) |
| COPPER (CU) | 375 (mg/kg) |

| CES-7 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 153 (pg/g) |
| TPH | 14,800 (µg/kg) |
| LEAD (PB) | 580 (mg/kg) |
| ARSENIC (AR) | 13.9 (mg/kg) |
| CHROMIUM (CR) | 100 (mg/kg) |
| COPPER (CU) | 274 (mg/kg) |

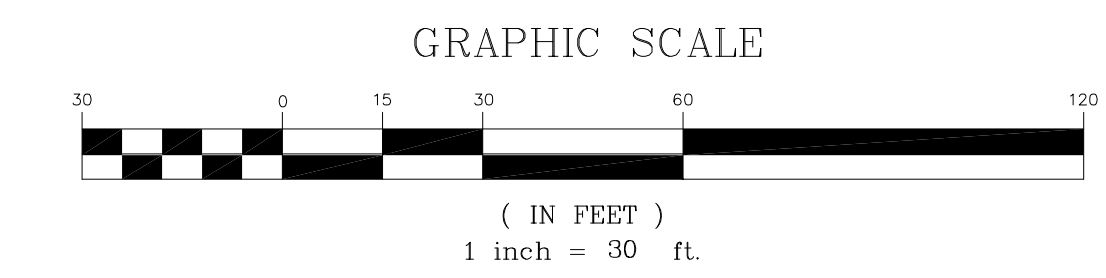
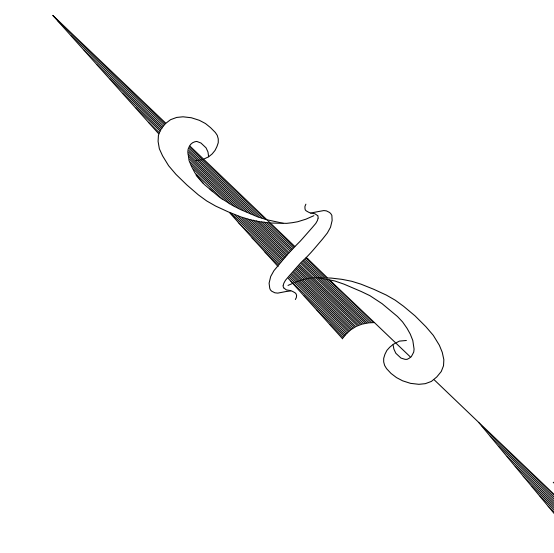
| CH16 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 692 (pg/g) |
| TPH | 32,000 (µg/kg) |
| LEAD (PB) | 372 (mg/kg) |
| ARSENIC (AR) | 13.6 (mg/kg) |
| CHROMIUM (CR) | 73.7 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

SEE SHEET 3

MATCHLINE

SEE SHEET 5

MATCHLINE



| LEGEND/ABBREVIATIONS | | | |
|----------------------|-----------------------|--------|-------------------------------|
| ⊠ | TRAFFIC CONTROL BOX | --- | MEAN HIGH WATER LINE 1.88' |
| ⊡ | CABLE BOX | --- | MEAN LOW WATER LINE -0.10' |
| ⊞ | TELEPHONE BOX | CH | CORE SAMPLE LOCATION |
| ⊞ | ELECTRIC BOX | --- | GAS UTILITY LINE |
| ⊞ | TELEPHONE MANHOLE | --- | ELECTRIC UTILITY LINE |
| ⊞ | ELECTRIC HAND HOLE | --- | TELEPHONE UTILITY LINE |
| ⊞ | DRAINAGE MANHOLE | --- | OVERHEAD UTILITY LINE |
| ⊞ | SANITARY HANDHOLD | --- | UNDERGROUND STREET LIGHT LINE |
| ⊞ | SPRINKLER | IP | IRON PIPE |
| ⊞ | SECURITY CAMERA | ID | IDENTIFICATION |
| ⊞ | CONTROL VALVE | IR | IRON ROD |
| ⊞ | WATER VALVE | SP | SEWER PIPE |
| ⊞ | WATER METER | TOB | TOP OF BANK |
| ⊞ | ELECTRIC METER | CLF | CHAIN LINK FENCE |
| ⊞ | 3" PVC PIPE | RCP | REINFORCED CONCRETE PIPE |
| ⊞ | SIGN | CMP | CORRUGATED METAL PIPE |
| ⊞ | LIGHT POLE | PVC | POLY VINYL CHLORIDE |
| ⊞ | WOOD UTILITY POLE | M/H | MAN HOLE |
| ⊞ | CONCRETE UTILITY POLE | H/W | HEAD WALL |
| ⊞ | GUY ANCHOR | R/W | RIGHT OF WAY |
| ⊞ | BIOLOGICAL LOCATION | INV | INVERT |
| ⊞ | CRACK LOCATION | M.E.S. | MITERED END SECTION |
| ⊞ | DEBRIS LOCATION | CONC. | CONCRETE |
| ⊞ | STRUCTURE LOCATION | MON. | MONUMENT |



DADE COUNTY, FLORIDA

WAGNER CREEK & SEYBOLD CANAL
MIAMI, FLORIDA

| | | | | | | | |
|---|-------------------------|--------------|-------------|--------------|----------|---------------|----------|
| File name: | 071007.DWG | Party Chief: | P. SAWYER | Dwn by: | JKM | Drawing Date: | 08-01-08 |
| Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: | JES | Survey Date: | 07-17-08 | | |
| Survey Performed for: | | | | | | | |
| CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | |
| No. | Approved | Date | Description | | | | |

OPERATIONAL SECTIONS 2 & 3

| | |
|-------------|----------|
| PROJECT NO. | 07-10-07 |
| FILE NO. | C-08-29 |
| SHEET | 4 OF 16 |

SEDIMENT UNDER
NW 15TH ST BRIDGE
TO BE REMOVED

END OS-2 BEGIN OS-3

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA

SEE SHEET 4
MATCHLINE

| CH18 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 378 (pg/g) |
| TPH | 14,000 (µg/kg) |
| LEAD (PB) | 419 (mg/kg) |
| ARSENIC (AR) | 20.6 (mg/kg) |
| CHROMIUM (CR) | 76.4 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CES-8 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 124 (pg/g) |
| TPH | 52,500 (µg/kg) |
| LEAD (PB) | 546 (mg/kg) |
| ARSENIC (AR) | 8.28 (mg/kg) |
| CHROMIUM (CR) | 58.5 (mg/kg) |
| COPPER (CU) | 464 (mg/kg) |

| CH20 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 329 (pg/g) |
| TPH | 3,650 (µg/kg) |
| LEAD (PB) | 664 (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | 105 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CH22 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 185 (pg/g) |
| TPH | 1,260 (µg/kg) |
| LEAD (PB) | 70.7 (mg/kg) |
| ARSENIC (AR) | 14.3 (mg/kg) |
| CHROMIUM (CR) | 29.6 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| CES-9 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 195 (pg/g) |
| TPH | 4,420 (µg/kg) |
| LEAD (PB) | 262 (mg/kg) |
| ARSENIC (AR) | 7.33 (mg/kg) |
| CHROMIUM (CR) | 187 (mg/kg) |
| COPPER (CU) | 275 (mg/kg) |

| CH24 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 203 (pg/g) |
| TPH | 5,450 (µg/kg) |
| LEAD (PB) | 214 (mg/kg) |
| ARSENIC (AR) | 10.6 (mg/kg) |
| CHROMIUM (CR) | 81.9 (mg/kg) |
| COPPER (CU) | ----- (mg/kg) |

| LEGEND/ABBREVIATIONS | | | |
|----------------------|-----------------------|--------|-------------------------------|
| ⊠ | TRAFFIC CONTROL BOX | --- | MEAN HIGH WATER LINE 1.88' |
| ⊡ | CABLE BOX | --- | MEAN LOW WATER LINE -0.10' |
| ⊢ | TELEPHONE BOX | CH | CORE SAMPLE LOCATION |
| ⊣ | ELECTRIC BOX | --- | GAS UTILITY LINE |
| ⊤ | TELEPHONE MANHOLE | --- | ELECTRIC UTILITY LINE |
| ⊥ | ELECTRIC HAND HOLE | --- | TELEPHONE UTILITY LINE |
| ⊦ | DRAINAGE MANHOLE | --- | OVERHEAD UTILITY LINE |
| ⊧ | SANITARY HANDHOLD | --- | UNDERGROUND STREET LIGHT LINE |
| ⊨ | SPRINKLER | IP | IRON PIPE |
| ⊩ | SECURITY CAMERA | ID | IDENTIFICATION |
| ⊪ | CONTROL VALVE | IR | IRON ROD |
| ⊫ | WATER VALVE | SP | SEWER PIPE |
| ⊬ | WATER METER | TGB | TOP OF BANK |
| ⊭ | ELECTRIC METER | CLF | CHAIN LINK FENCE |
| ⊮ | FIRE HYDRANT | RCP | REINFORCED CONCRETE PIPE |
| ⊯ | 3" PVC PIPE | CMP | CORRUGATED METAL PIPE |
| ⊰ | SIGN | PVC | POLY VINYL CHLORIDE |
| ⊱ | LIGHT POLE | M/H | MAN HOLE |
| ⊲ | WOOD UTILITY POLE | H/W | HEAD WALL |
| ⊳ | CONCRETE UTILITY POLE | R/W | RIGHT OF WAY |
| ⊴ | GUY ANCHOR | INV | INVERT |
| ⊵ | BIOLOGICAL LOCATION | M.E.S. | MITERED END SECTION |
| ⊶ | CRACK LOCATION | CONC. | CONCRETE |
| ⊷ | DEBRIS LOCATION | MON. | MONUMENT |
| ⊸ | STRUCTURE LOCATION | | |

END OS-3 BEGIN OS-4

NW 12TH AVE/NW 14TH ST CULVERT TO BE VIDEO RECORDED NO SEDIMENT TO BE REMOVED



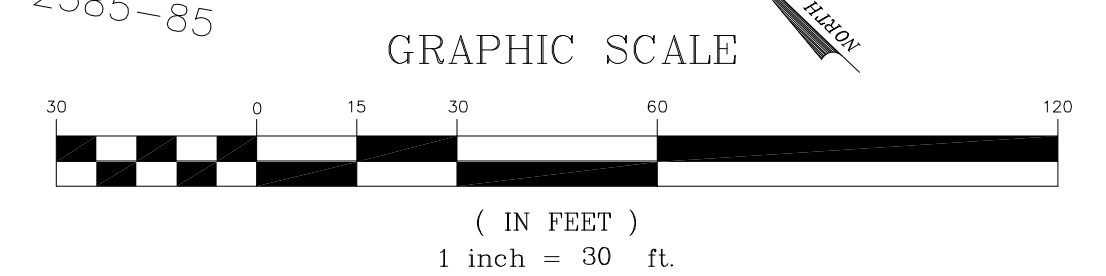
DADE COUNTY, FLORIDA
WAGNER CREEK & SEYBOLD CANAL
MIAMI, FLORIDA

File name: 071007.DWG
Party Chief: P. SAWYER
Dwn by: JKM
Drawing Date: 08-01-08
Reference files: Field Bk/Pg 08-08/08-09
Ckd by: JES
Survey Date: 07-17-08
Survey Performed for: CH2MHILL CONSTRUCTORS, INC.
201 ALHAMBRA CIRCLE, SUITE 600
CORAL GABLES, FL 33134

| No. | Approved | Date | Description |
|-----|----------|------|-------------|
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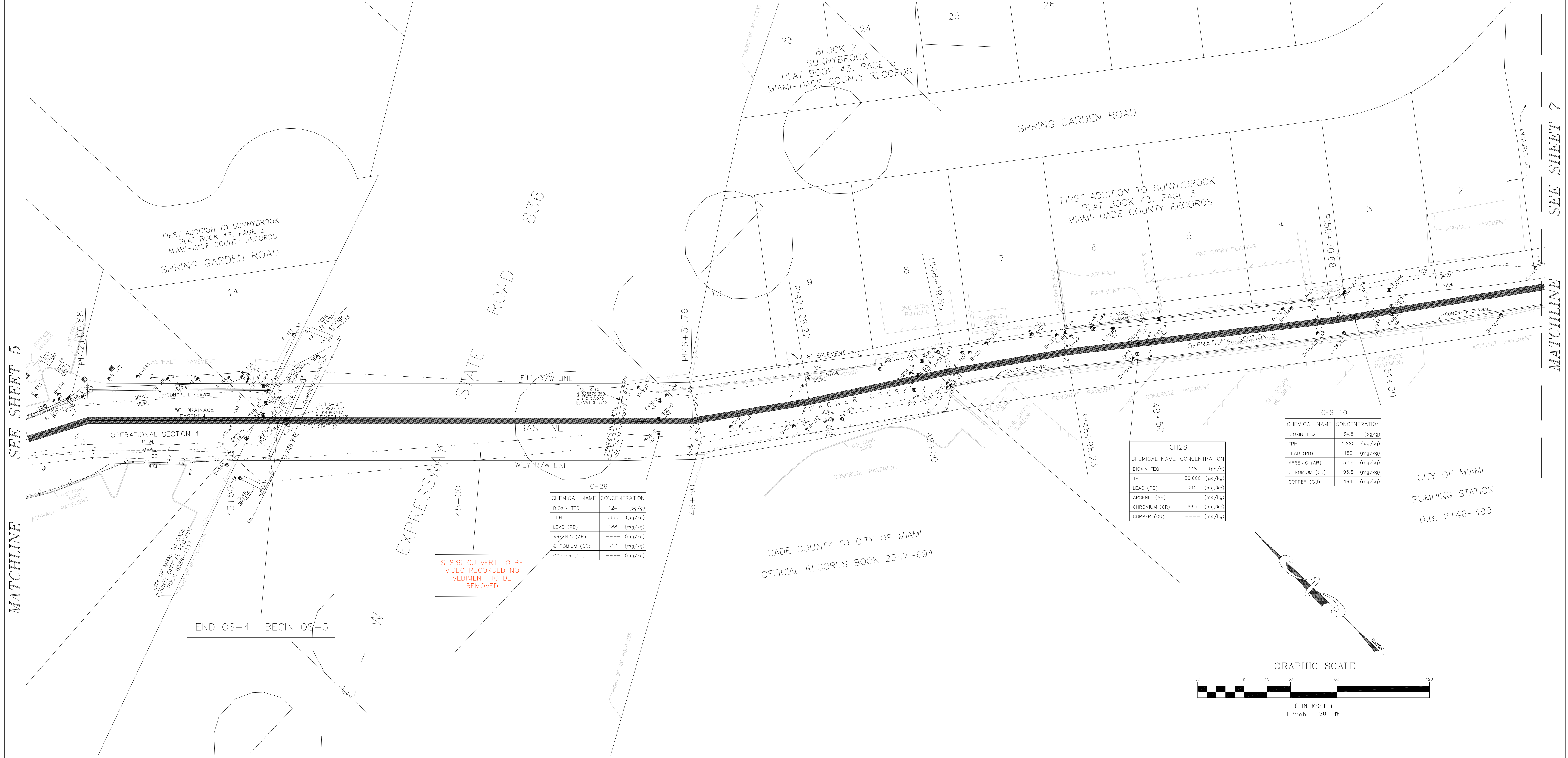
OPERATIONAL SECTIONS 3 & 4

| | |
|-------------|----------|
| PROJECT NO. | 07-10-07 |
| FILE NO. | C-08-29 |
| SHEET | 5 of 16 |



SEE SHEET 4 MATCHLINE SEE SHEET 6 MATCHLINE

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA



SEE SHEET 5

SEE SHEET 7

MATCHLINE

MATCHLINE

| CH26 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 124 (pg/g) |
| TPH | 3,660 (ug/kg) |
| LEAD (PB) | 188 (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | 71.1 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CH28 | |
|---------------|----------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 148 (pg/g) |
| TPH | 56,600 (ug/kg) |
| LEAD (PB) | 212 (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | 66.7 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

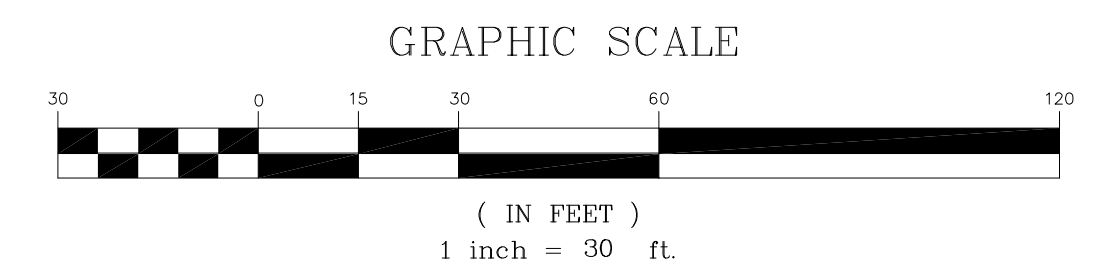
| CES-10 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 34.5 (pg/g) |
| TPH | 1,220 (ug/kg) |
| LEAD (PB) | 150 (mg/kg) |
| ARSENIC (AR) | 3.68 (mg/kg) |
| CHROMIUM (CR) | 95.8 (mg/kg) |
| COPPER (CU) | 194 (mg/kg) |

S 836 CULVERT TO BE VIDEO RECORDED NO SEDIMENT TO BE REMOVED

END OS-4 BEGIN OS-5

DADE COUNTY TO CITY OF MIAMI
OFFICIAL RECORDS BOOK 2557-694

CITY OF MIAMI
PUMPING STATION
D.B. 2146-499



| LEGEND/ABBREVIATIONS | |
|----------------------|-------------------------------|
| --- | MEAN HIGH WATER LINE 1.88' |
| --- | MEAN LOW WATER LINE -0.10' |
| CH | CORE SAMPLE LOCATION |
| --- | GAS UTILITY LINE |
| --- | ELECTRIC UTILITY LINE |
| --- | TELEPHONE UTILITY LINE |
| --- | OVERHEAD UTILITY LINE |
| --- | UNDERGROUND STREET LIGHT LINE |
| IP | IRON PIPE |
| ID | IDENTIFICATION |
| IR | IRON ROD |
| SP | SEWER PIPE |
| TOB | TOP OF BANK |
| CLF | CHAIN LINK FENCE |
| RCP | REINFORCED CONCRETE PIPE |
| OMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| M/H | MAN HOLE |
| H/W | HEAD WALL |
| R/W | RIGHT OF WAY |
| INV | INVERT |
| M.E.S. | MITERED END SECTION |
| CONC. | CONCRETE |
| MON. | MONUMENT |
| ▲ | TRAFFIC CONTROL BOX |
| □ | CABLE BOX |
| □ | TELEPHONE BOX |
| □ | ELECTRIC BOX |
| ○ | TELEPHONE MANHOLE |
| ○ | ELECTRIC HAND HOLE |
| ○ | DRAINAGE MANHOLE |
| ○ | SANITARY HANDHOLD |
| ○ | SPRINKLER |
| ○ | SECURITY CAMERA |
| ○ | CONTROL VALVE |
| ○ | WATER VALVE |
| ○ | WATER METER |
| ○ | ELECTRIC METER |
| ○ | FIRE HYDRANT |
| ○ | 3" PVC PIPE |
| ○ | SIGN |
| ○ | LIGHT POLE |
| ○ | WOOD UTILITY POLE |
| ○ | CONCRETE UTILITY POLE |
| ○ | GUY ANCHOR |
| ○ | BIOLOGICAL LOCATION |
| ○ | CRACK LOCATION |
| ○ | DEBRIS LOCATION |
| ○ | STRUCTURE LOCATION |



DADE COUNTY, FLORIDA

WAGNER CREEK &
SEYBOLD CANAL
MIAMI, FLORIDA

File name: 071007.DWG
Party Chief: P. SAWYER
Dwn by: JKM
Drawing Date: 08-01-08
Reference files: Field Bk/Pg 08-08/08-09
Ckd by: JES
Survey Date: 07-17-08

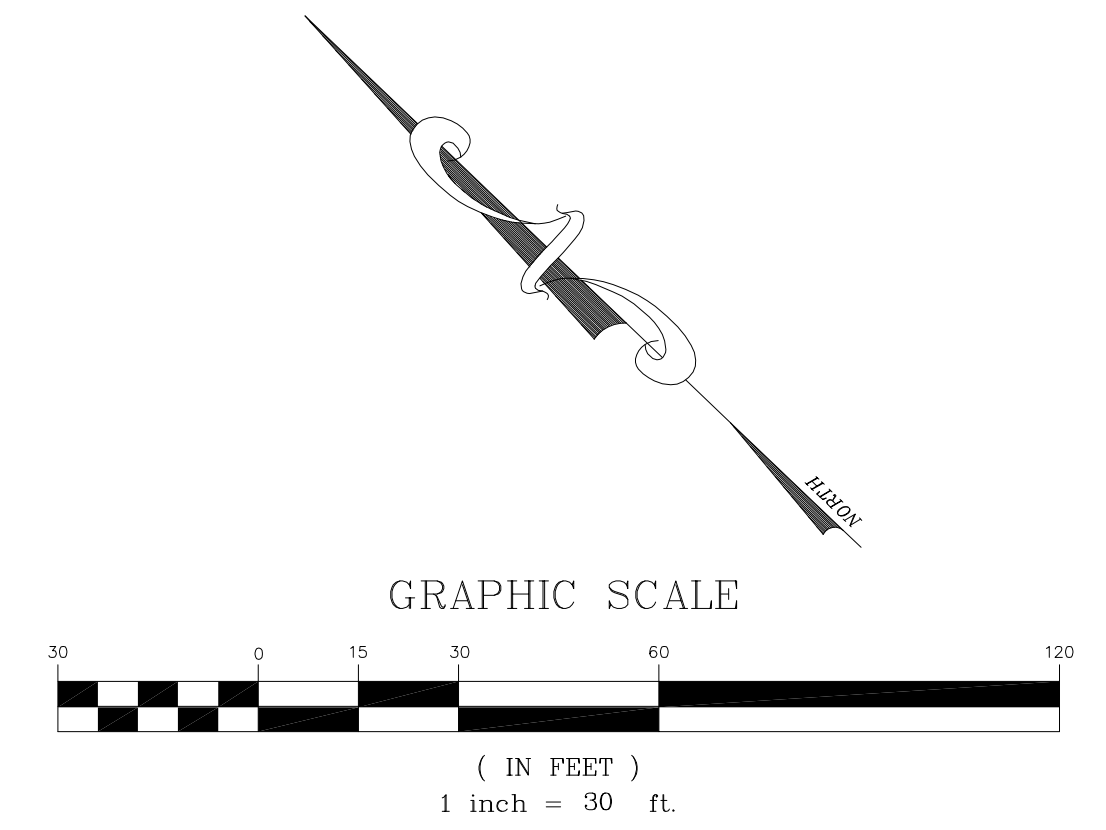
Survey Performed for:
CH2MHILL CONSTRUCTORS, INC.
201 ALHAMBRA CIRCLE, SUITE 600
CORAL GABLES, FL 33134

| No. | Approved | Date | Description |
|-----|----------|------|-------------|
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OPERATIONAL SECTIONS 4 & 5

| | |
|-------------|----------|
| PROJECT NO. | 07-10-07 |
| FILE NO. | C-08-29 |
| SHEET | 6 OF 16 |

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA

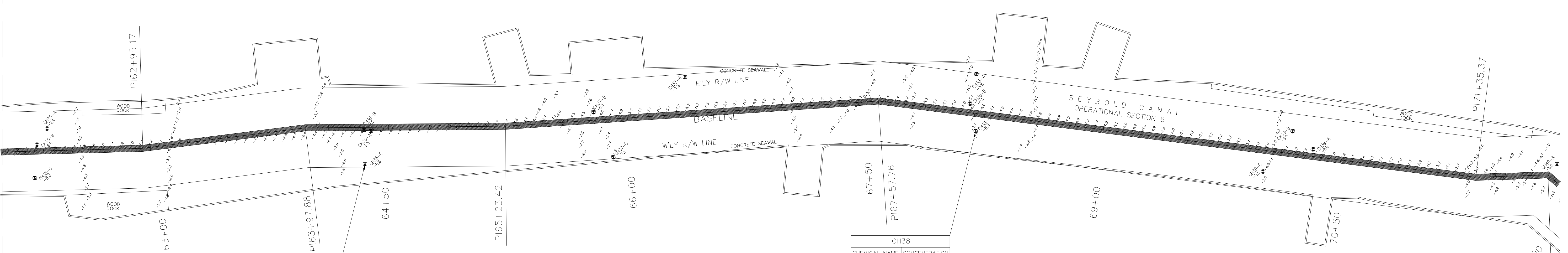


SEE SHEET 7

SEE SHEET 9

MATCHLINE

MATCHLINE



| CH36 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 151 (pg/g) |
| TPH | 4,560 (µg/kg) |
| LEAD (PB) | 362 (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | 133 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| CH38 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 195 (pg/g) |
| TPH | 4,690 (µg/kg) |
| LEAD (PB) | 827 (mg/kg) |
| ARSENIC (AR) | ---- (mg/kg) |
| CHROMIUM (CR) | 133 (mg/kg) |
| COPPER (CU) | ---- (mg/kg) |

| LEGEND/ABBREVIATIONS | | | |
|----------------------|-----------------------|--------|-------------------------------|
| ⊠ | TRAFFIC CONTROL BOX | --- | MEAN HIGH WATER LINE 1.88' |
| ⊠ | CABLE BOX | --- | MEAN LOW WATER LINE -0.10' |
| ⊠ | TELEPHONE BOX | OH | CORE SAMPLE LOCATION |
| ⊠ | ELECTRIC BOX | --- | GAS UTILITY LINE |
| ⊠ | TELEPHONE MANHOLE | --- | ELECTRIC UTILITY LINE |
| ⊠ | ELECTRIC HAND HOLE | --- | TELEPHONE UTILITY LINE |
| ⊠ | DRAINAGE MANHOLE | --- | OVERHEAD UTILITY LINE |
| ⊠ | SANITARY HANDHOLD | --- | UNDERGROUND STREET LIGHT LINE |
| ⊠ | SPRINKLER | --- | IRON PIPE |
| ⊠ | SECURITY CAMERA | ID | IDENTIFICATION |
| ⊠ | CONTROL VALVE | IR | IRON ROD |
| ⊠ | WATER VALVE | SP | SEWER PIPE |
| ⊠ | WATER METER | TOB | TOP OF BANK |
| ⊠ | ELECTRIC METER | CLF | CHAIN LINK FENCE |
| ⊠ | FIRE HYDRANT | RCP | REINFORCED CONCRETE PIPE |
| ⊠ | 3" PVC PIPE | CMP | CORRUGATED METAL PIPE |
| ⊠ | SIGN | PVC | POLY VINYL CHLORIDE |
| ⊠ | WOOD UTILITY POLE | M/H | MAN HOLE |
| ⊠ | CONCRETE UTILITY POLE | H/W | HEAD WALL |
| ⊠ | GUY ANCHOR | R/W | RIGHT OF WAY |
| ⊠ | BIOLOGICAL LOCATION | INV | INVERT |
| ⊠ | CRACK LOCATION | M.E.S. | MITERED END SECTION |
| ⊠ | DEBRIS LOCATION | CONC. | CONCRETE |
| ⊠ | STRUCTURE LOCATION | MON. | MONUMENT |



DADE COUNTY, FLORIDA

WAGNER CREEK &
SEYBOLD CANAL
MIAMI, FLORIDA

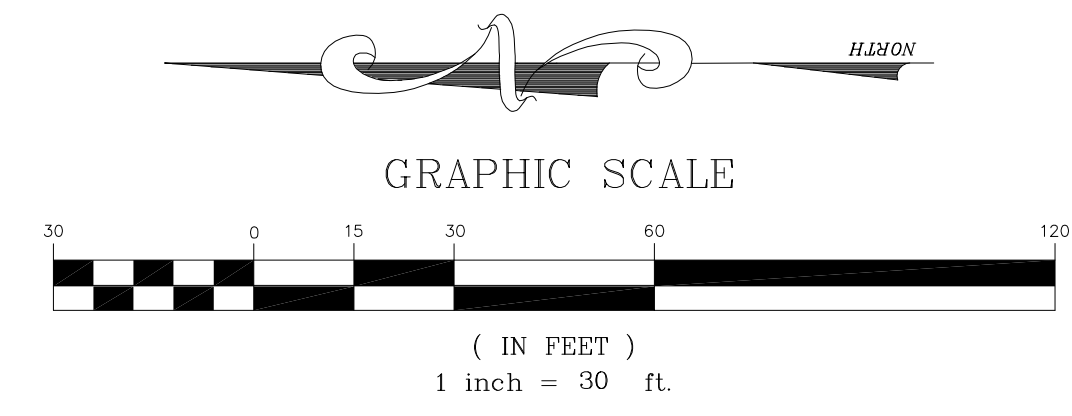
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| File name: 071007.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-01-08 |
| Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 07-17-08 |
| Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | |

| | | | |
|-----|----------|------|-------------|
| No. | Approved | Date | Description |
| | | | |
| | | | |
| | | | |

OPERATIONAL SECTION 6

| |
|-------------------------|
| PROJECT NO. 07-10-07 |
| FILE NO. C-08-29 |
| SHEET 8 OF 16 |

MAP SHOWING A HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF: WAGNER CREEK & SEYBOLD CANAL DADE COUNTY, FLORIDA

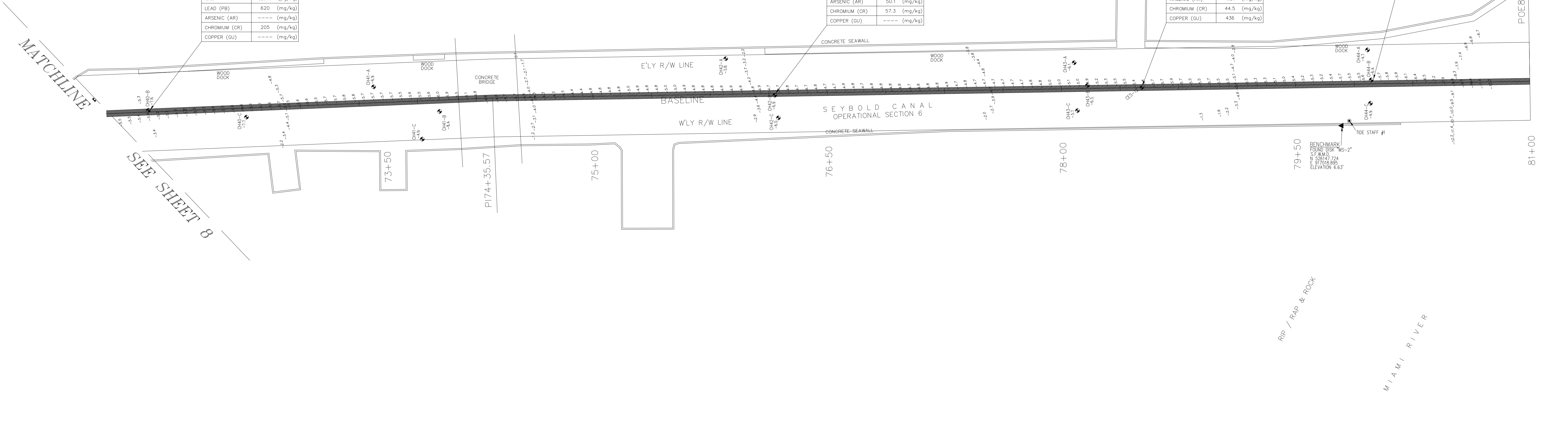


| CH40 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 273 (pg/g) |
| TPH | 3,360 (ug/kg) |
| LEAD (PB) | 620 (mg/kg) |
| ARSENIC (AR) | ----- (mg/kg) |
| CHROMIUM (CR) | 205 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CH42 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 82.2 (pg/g) |
| TPH | 2,950 (ug/kg) |
| LEAD (PB) | 592 (mg/kg) |
| ARSENIC (AR) | 50.1 (mg/kg) |
| CHROMIUM (CR) | 57.3 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |

| CES-12 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 37.7 (pg/g) |
| TPH | 2,600 (ug/kg) |
| LEAD (PB) | 277 (mg/kg) |
| ARSENIC (AR) | 4.91 (mg/kg) |
| CHROMIUM (CR) | 44.5 (mg/kg) |
| COPPER (GU) | 436 (mg/kg) |

| CH44 | |
|---------------|---------------|
| CHEMICAL NAME | CONCENTRATION |
| DIOXIN TEQ | 54.9 (pg/g) |
| TPH | 3,430 (ug/kg) |
| LEAD (PB) | 301 (mg/kg) |
| ARSENIC (AR) | 7.98 (mg/kg) |
| CHROMIUM (CR) | 31.6 (mg/kg) |
| COPPER (GU) | ----- (mg/kg) |



MATCHLINE

SEE SHEET 8

| LEGEND/ABBREVIATIONS | |
|----------------------|-------------------------------|
| ---+--- | MEAN HIGH WATER LINE 1.88' |
| ---0--- | MEAN LOW WATER LINE -0.10' |
| CH | CORE SAMPLE LOCATION |
| ---GAS--- | GAS UTILITY LINE |
| ---EL--- | ELECTRIC UTILITY LINE |
| ---TL--- | TELEPHONE UTILITY LINE |
| ---OU--- | OVERHEAD UTILITY LINE |
| ---US--- | UNDERGROUND STREET LIGHT LINE |
| IP | IRON PIPE |
| ID | IDENTIFICATION |
| IR | IRON ROD |
| SP | SEWER PIPE |
| TOB | TOP OF BANK |
| CLF | CHAIN LINK FENCE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| M/H | MAN HOLE |
| H/W | HEAD WALL |
| R/W | RIGHT OF WAY |
| INV | INVERT |
| M.E.S. | MITERED END SECTION |
| CONC. | CONCRETE |
| MON. | MONUMENT |
| ---+--- | TRAFFIC CONTROL BOX |
| ---0--- | CABLE BOX |
| ---GAS--- | TELEPHONE BOX |
| ---EL--- | ELECTRIC BOX |
| ---TL--- | TELEPHONE MANHOLE |
| ---OU--- | ELECTRIC HAND HOLE |
| ---US--- | DRAINAGE MANHOLE |
| IP | SANITARY HANDHOLD |
| ID | SPRINKLER |
| IR | SECURITY CAMERA |
| SP | CONTROL VALVE |
| TOB | WATER VALVE |
| CLF | WATER METER |
| RCP | FIRE HYDRANT |
| CMP | 3" PVC PIPE |
| PVC | SIGN |
| M/H | LIGHT POLE |
| H/W | WOOD UTILITY POLE |
| R/W | CONCRETE UTILITY POLE |
| INV | GUY ANCHOR |
| M.E.S. | BIOLOGICAL LOCATION |
| CONC. | CRACK LOCATION |
| MON. | DEBRIS LOCATION |
| --- | STRUCTURE LOCATION |



DADE COUNTY, FLORIDA

WAGNER CREEK & SEYBOLD CANAL
MIAMI, FLORIDA

| | | | | | | | |
|---|-------------------------|--------------|-----------|--------------|----------|---------------|----------|
| File name: | 071007.DWG | Party Chief: | P. SAWYER | Dwn by: | JkM | Drawing Date: | 08-01-08 |
| Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: | JES | Survey Date: | 07-17-08 | | |
| Survey Performed for: | | | | | | | |
| CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | |

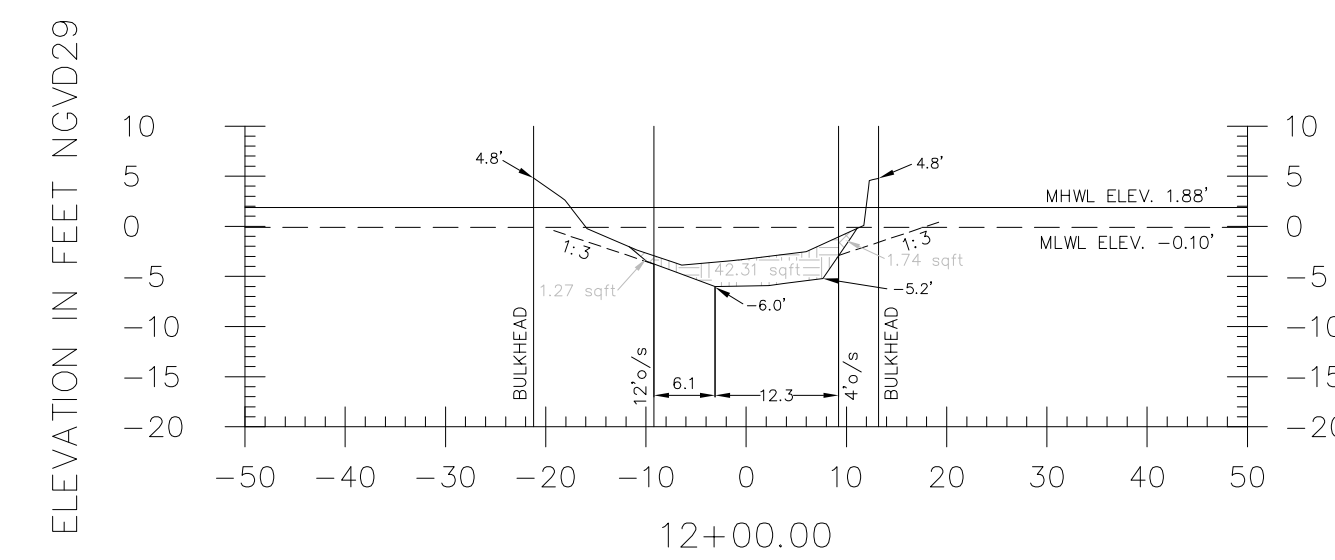
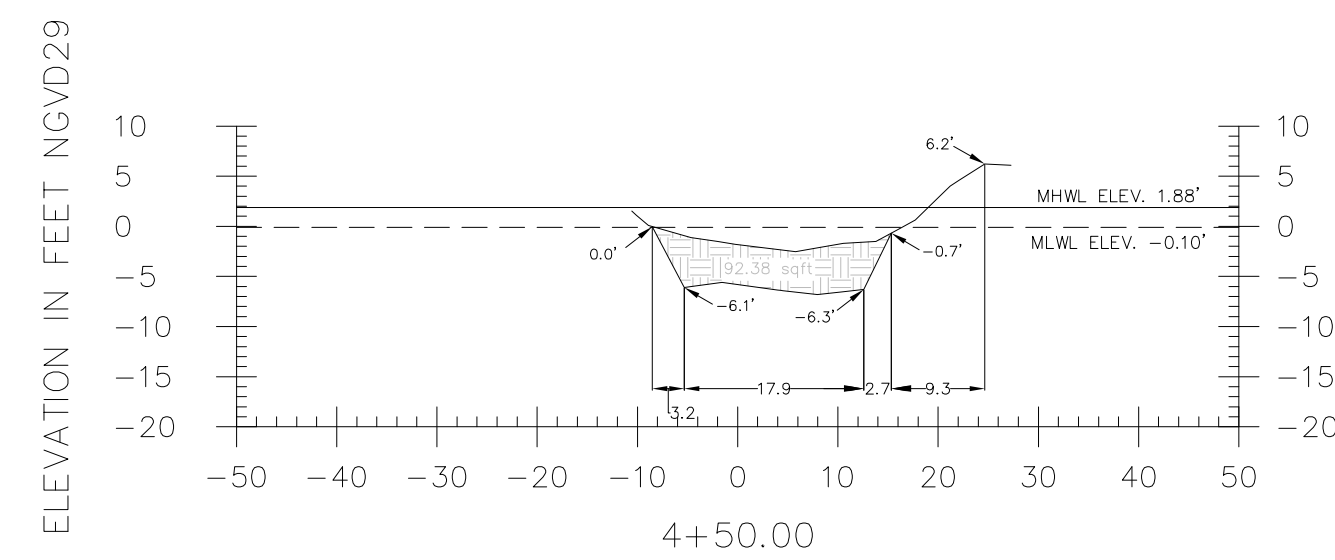
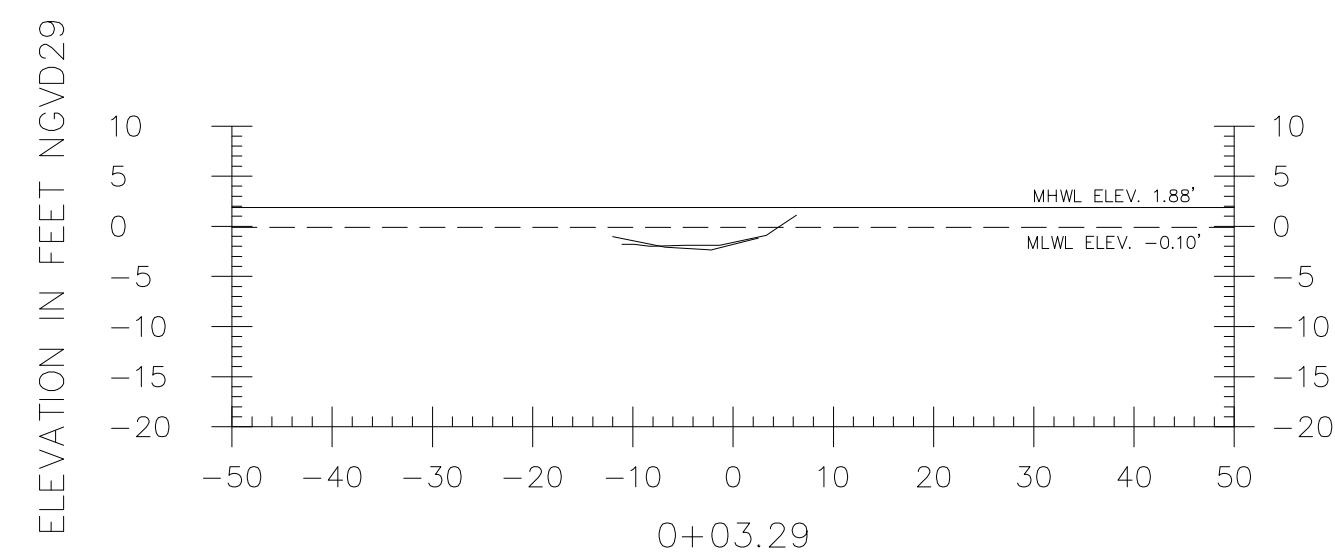
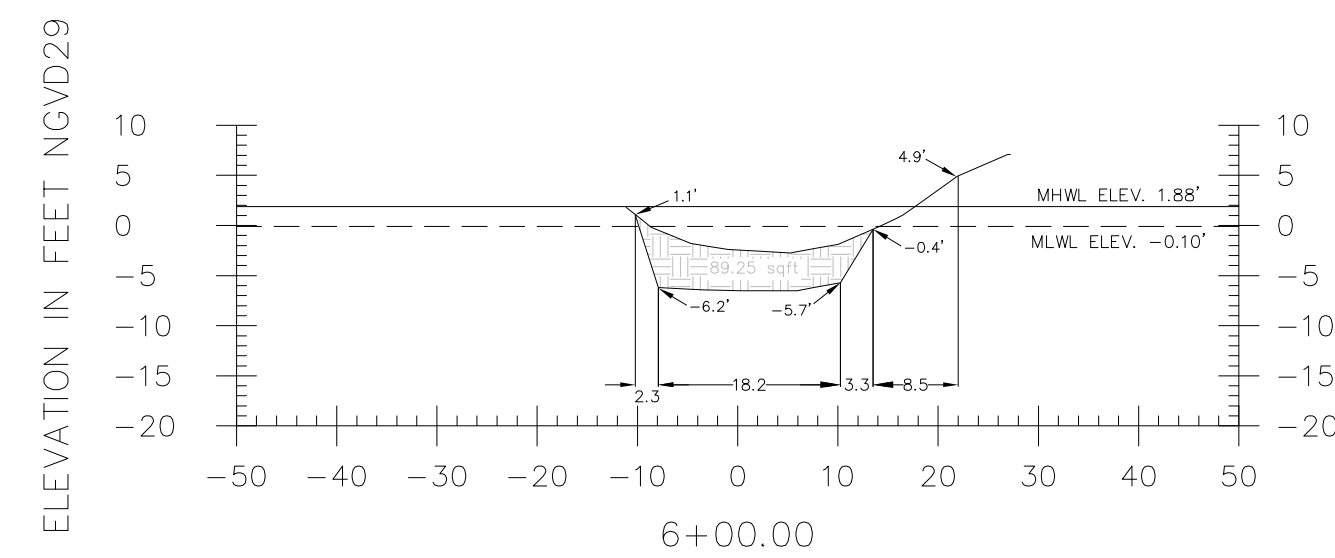
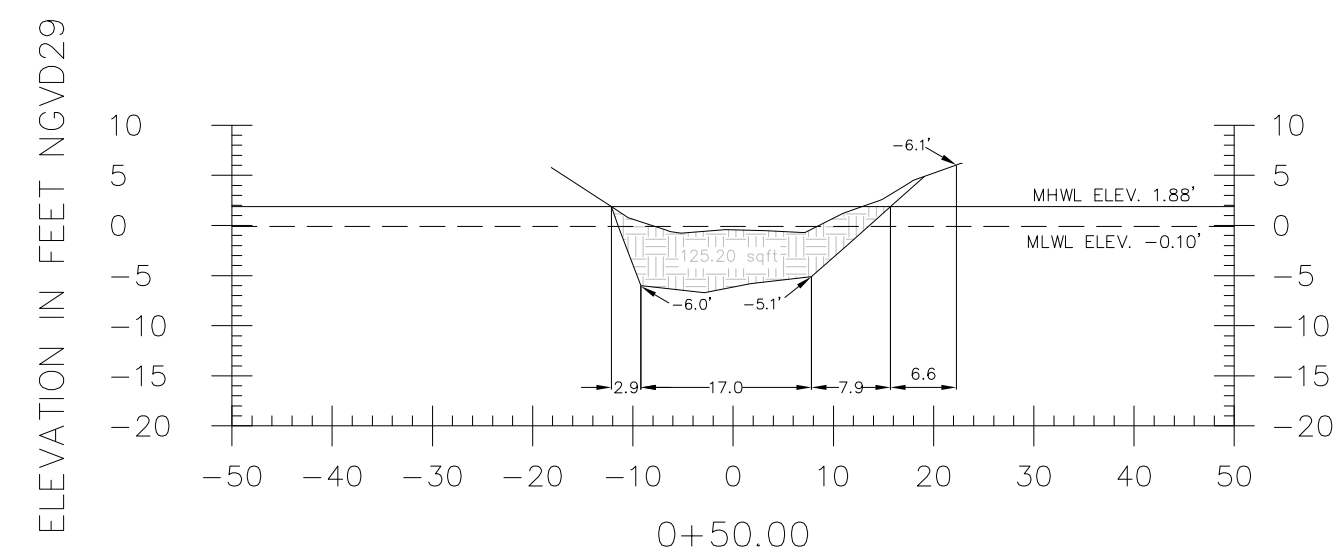
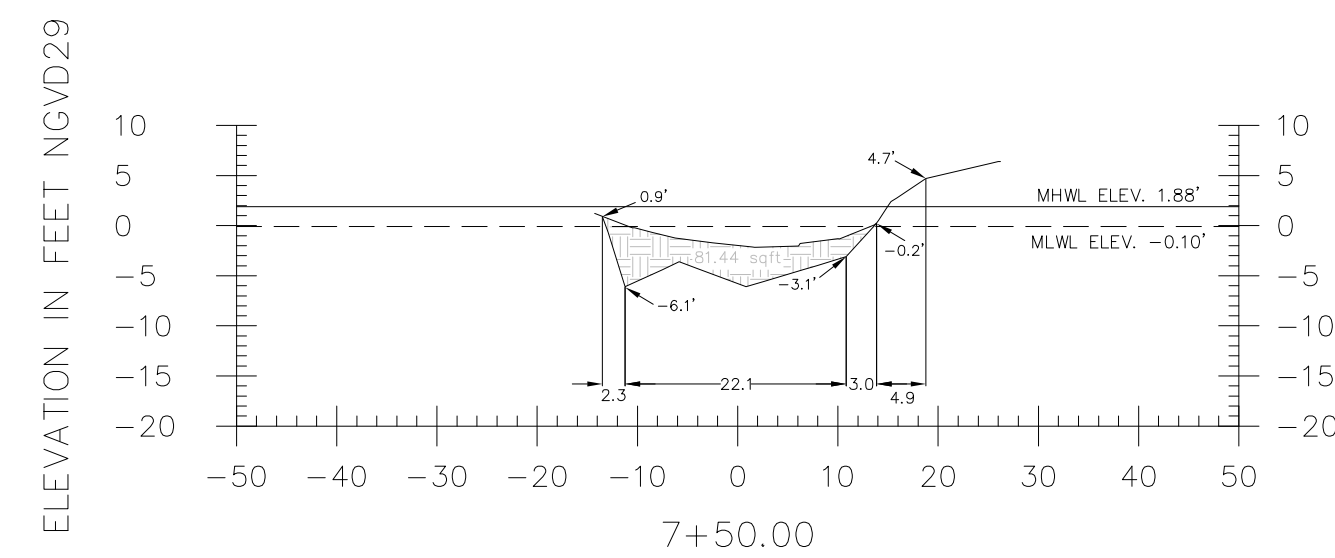
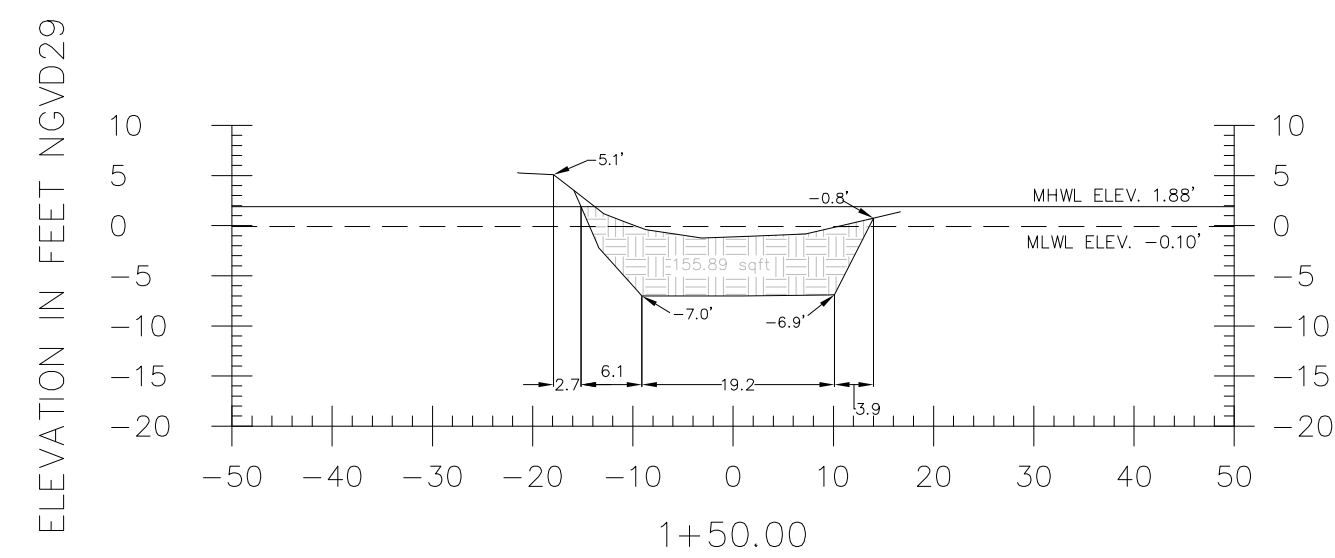
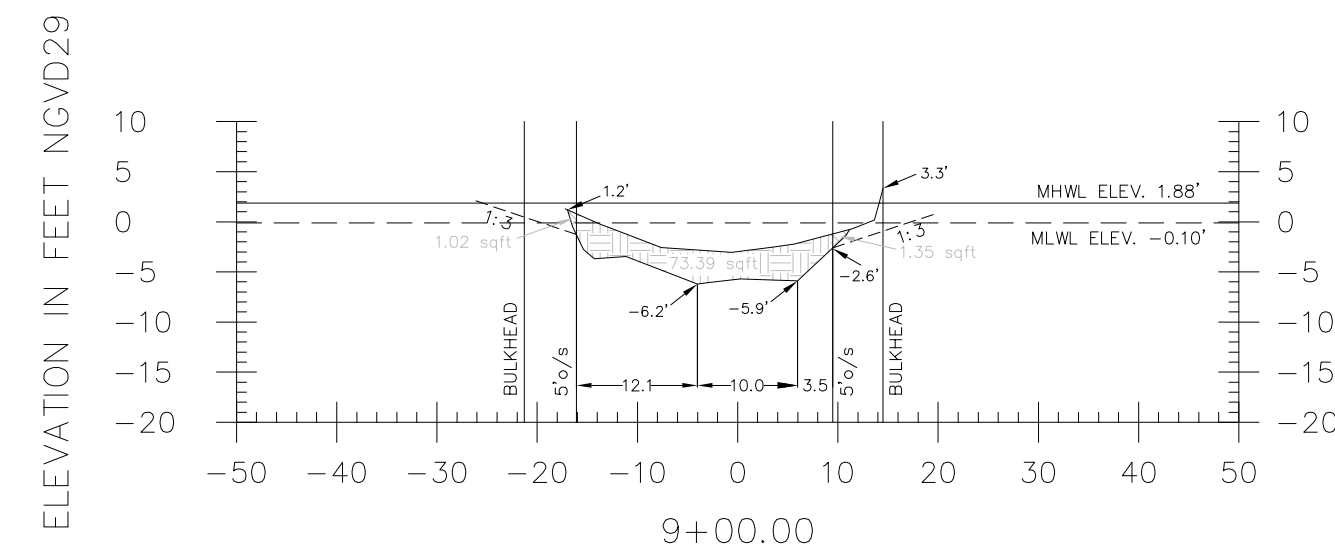
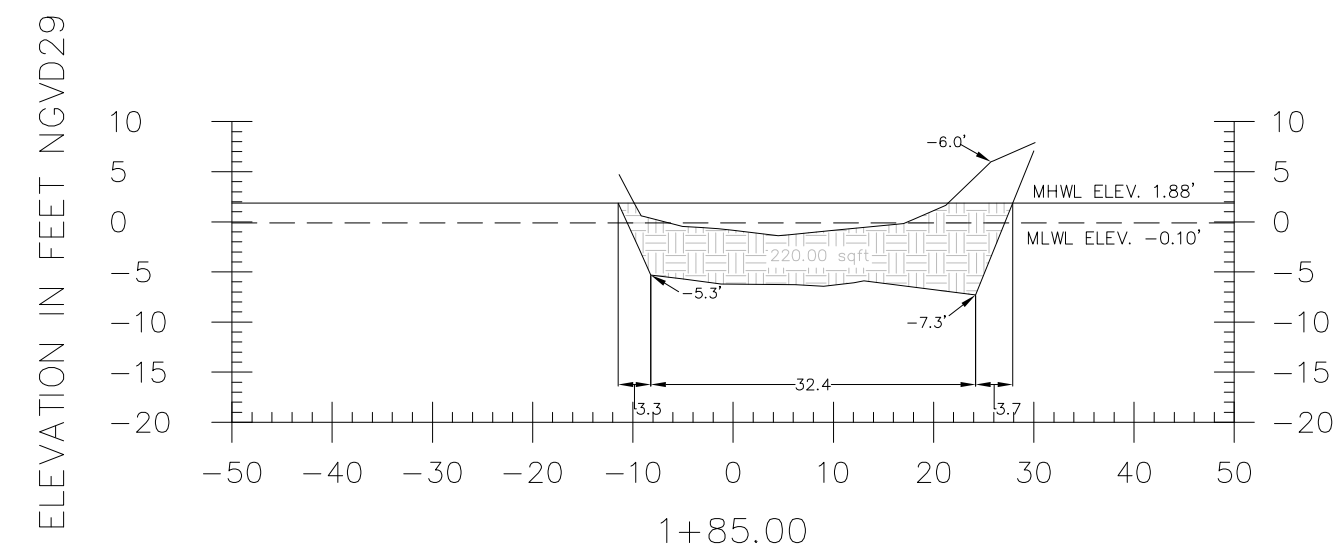
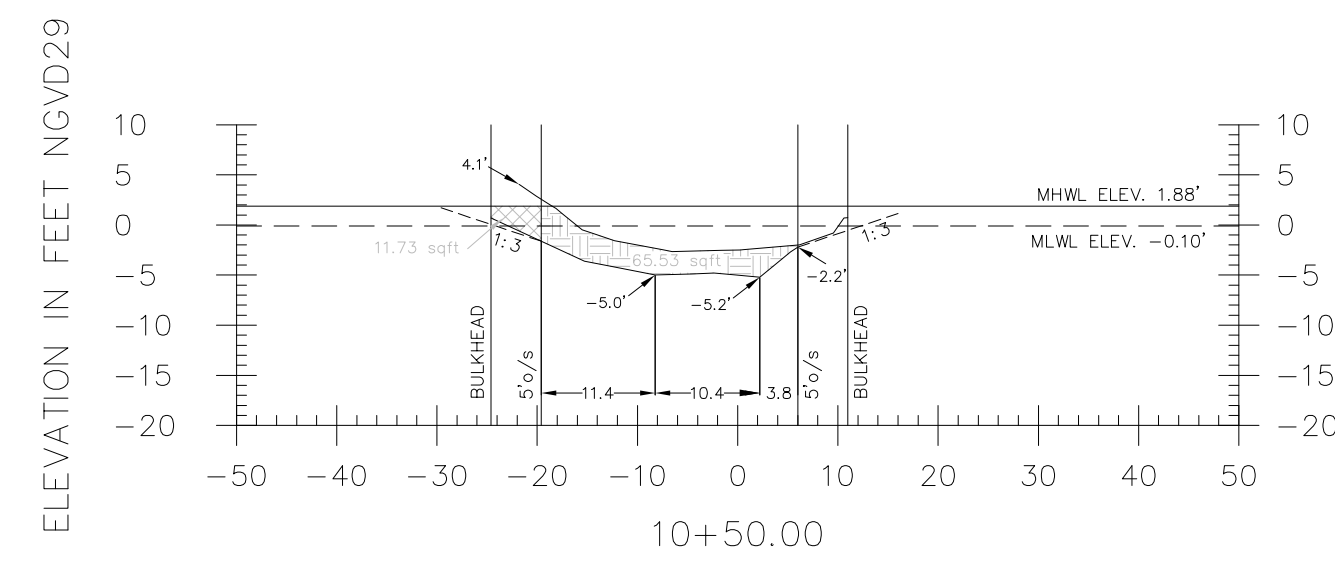
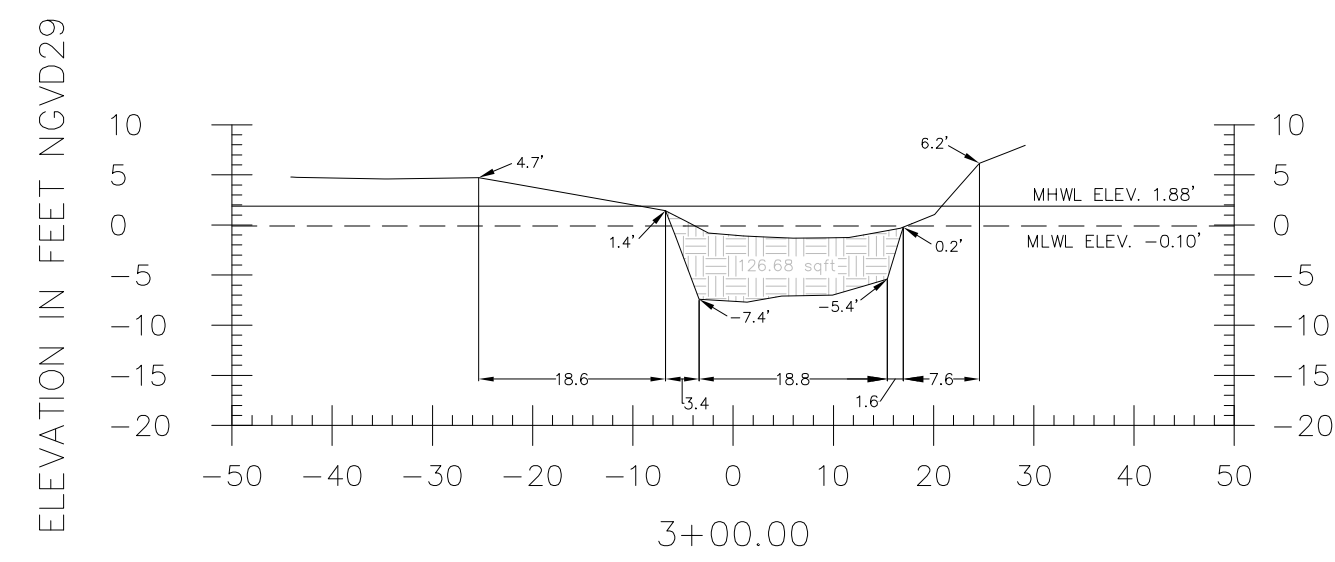
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| No. | Approved | Date | Description |
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OPERATIONAL SECTION 6

PROJECT NO.
07-10-07

FILE NO.
C-08-29

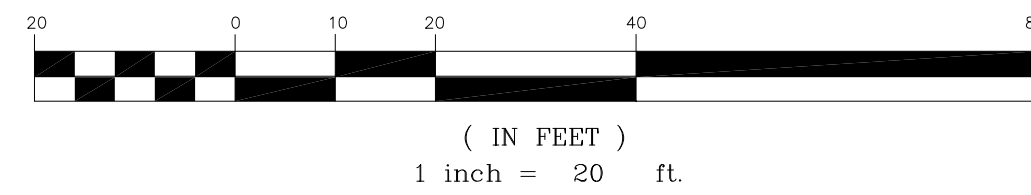
SHEET 9 OF 16



LEGEND

- = SEDIMENT TO BE REMOVED
- = SLOUGHING VOLUME
- = NATURAL SOIL/NON SEDIMENT
- = NATURAL SOIL/SEDIMENT INTERFACE
- = TOP OF SEDIMENT
- = 1.88' MEAN HIGH WATER LINE
- = -0.10' MEAN LOW WATER LINE
- = NATIONAL GEODETIC VERTICAL ELEVATION OF 1929
- = 1:3 SLOPE SLOUGHING LINE

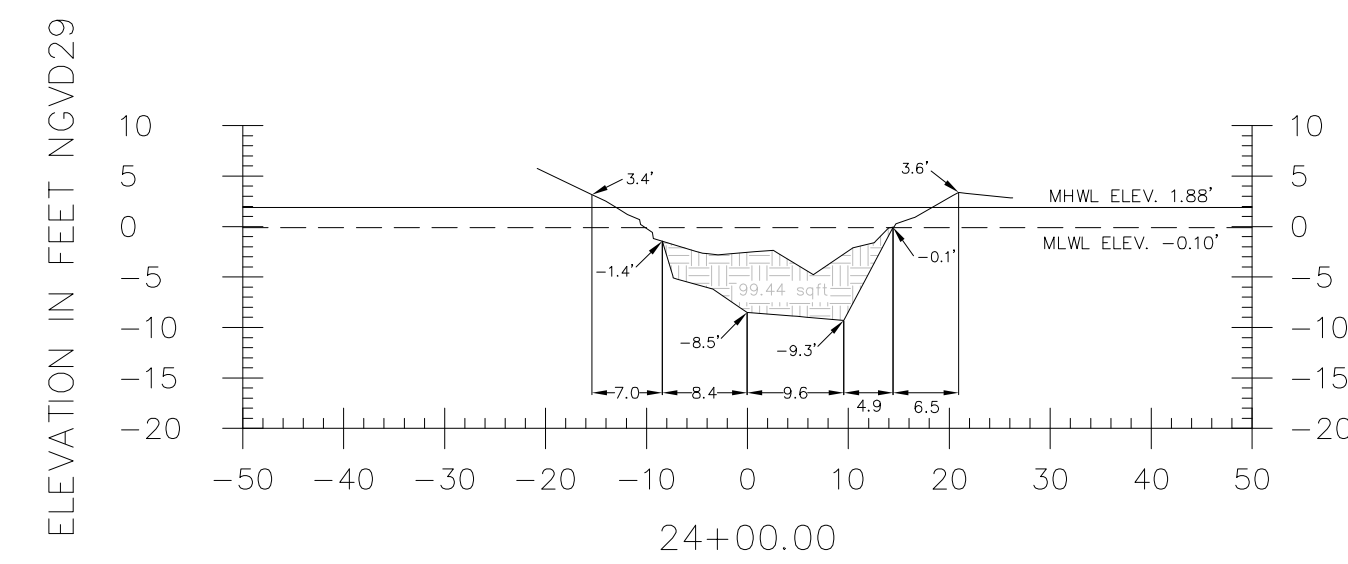
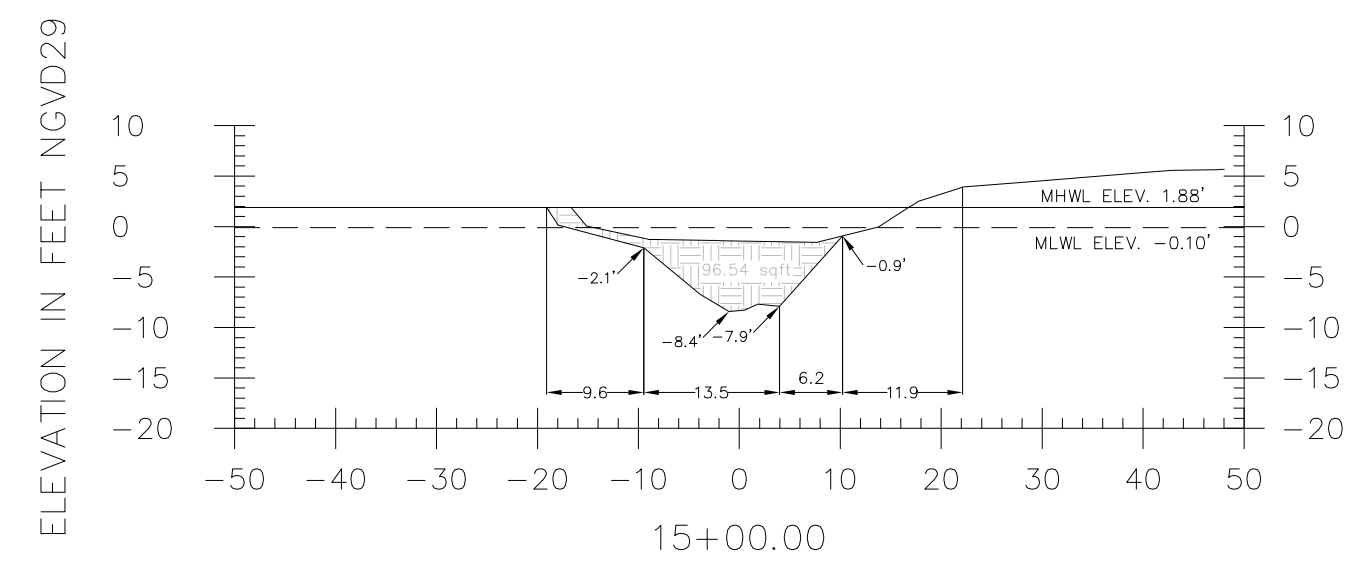
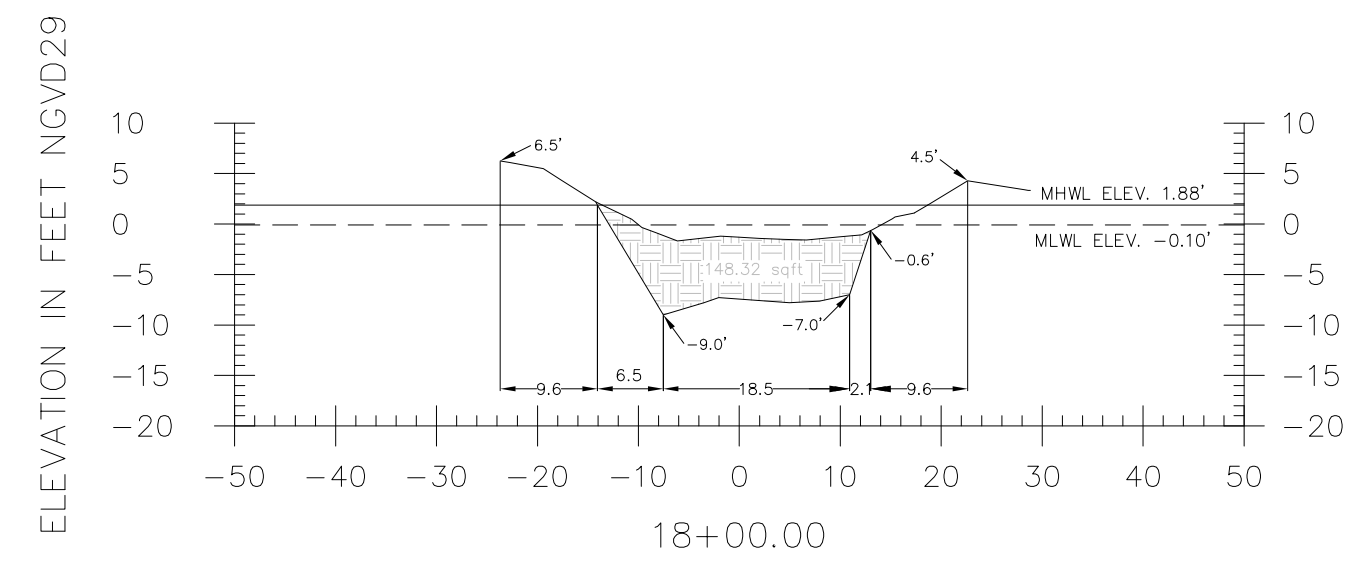
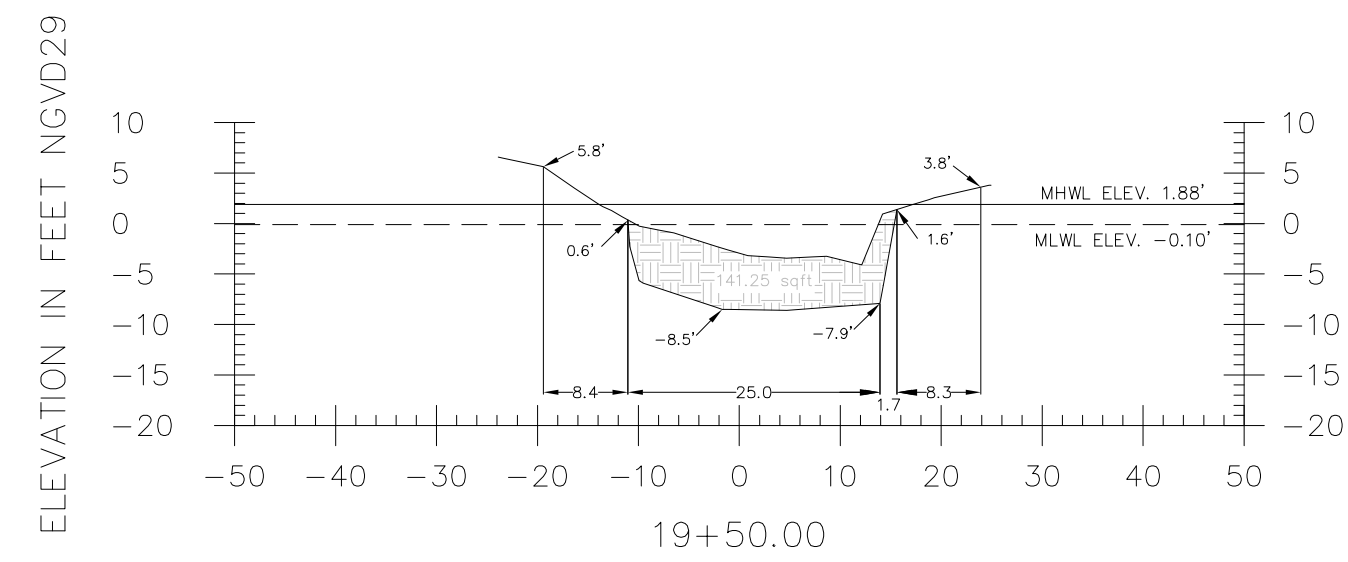
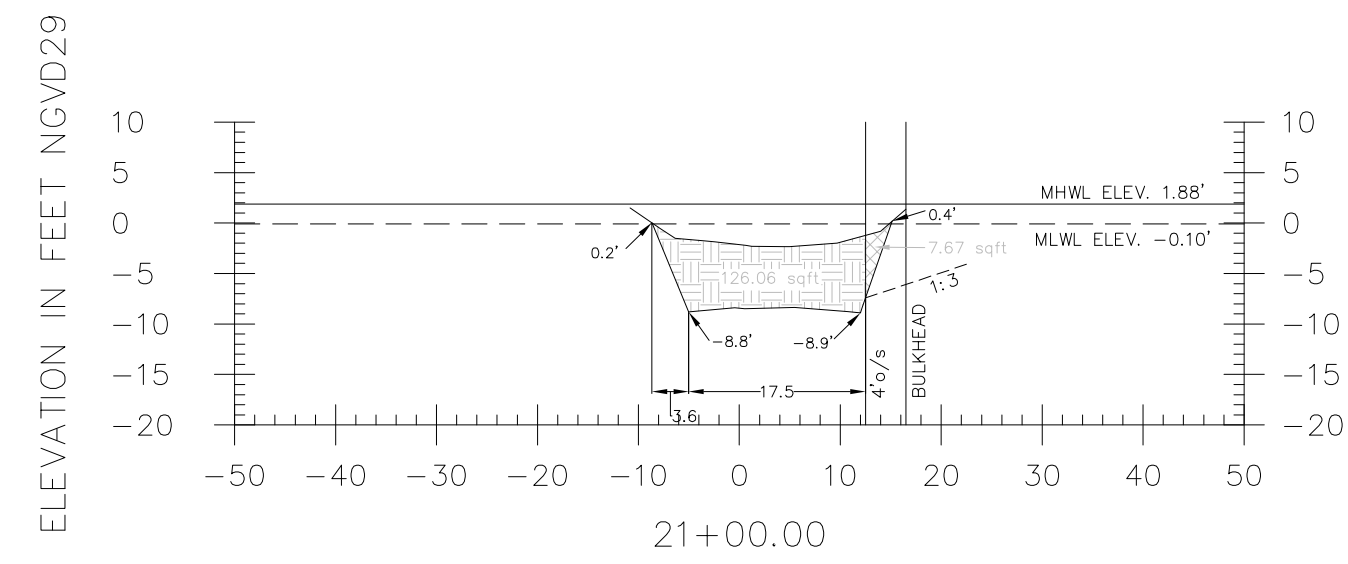
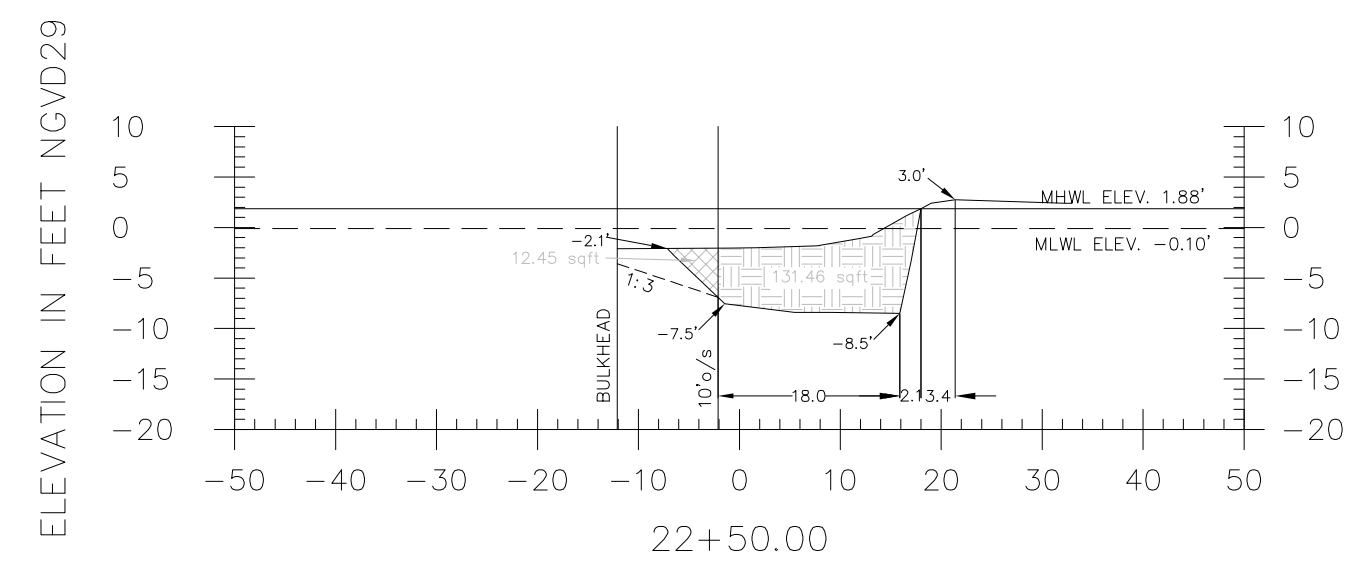
GRAPHIC SCALE



NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.

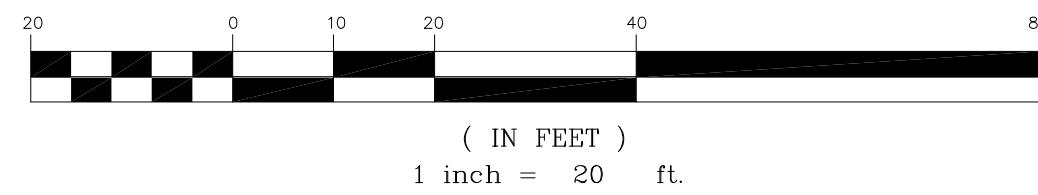
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|---------------------|--|---|------------------------------|---------------------------|----------------|--|-----|----------|------|---------------------|-------------------------|
| CH2MHILL | ARC SURVEYING & MAPPING, INC. 5202 San Juan Ave. Jacksonville, Florida 32210 Tel. (904)384-8377 • Fax (904)384-8388 www.arc-surveyors.com Licensed Business # 6487 | DADE COUNTY, FLORIDA WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | File name: 071007XSEC.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: | | | | | PROJECT NO. 07-10-07 |
| | | Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: | Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | FILE NO. C-08-29 | |
| | | | | | | | No. | Approved | Date | Description | SHEET 10 OF 16 |

OPERATIONAL SECTION 1



LEGEND

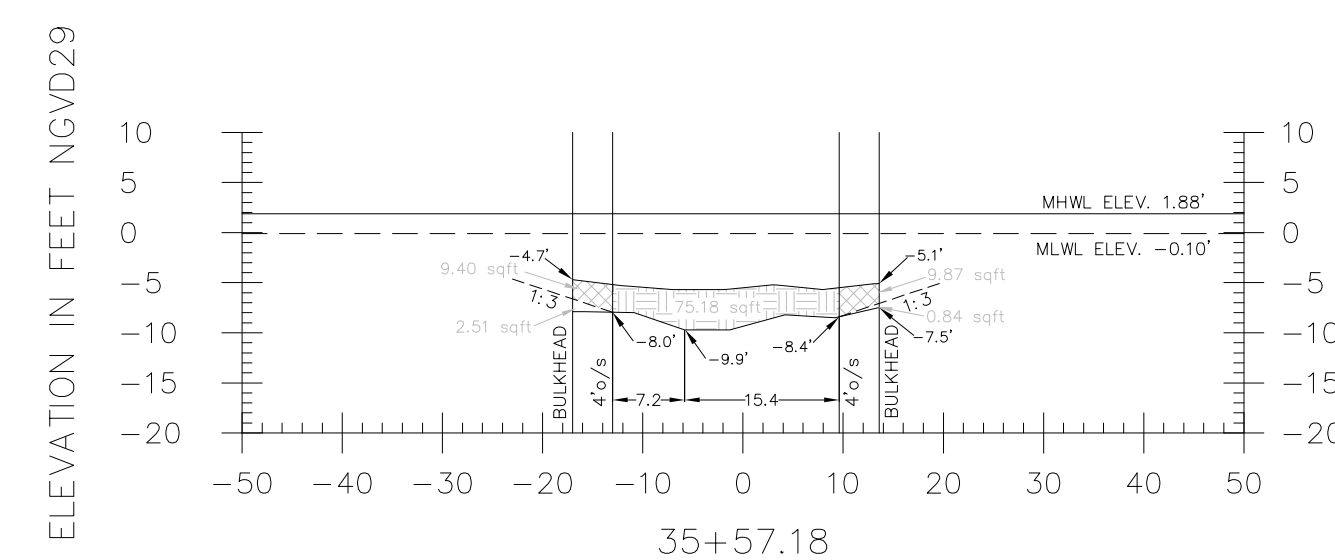
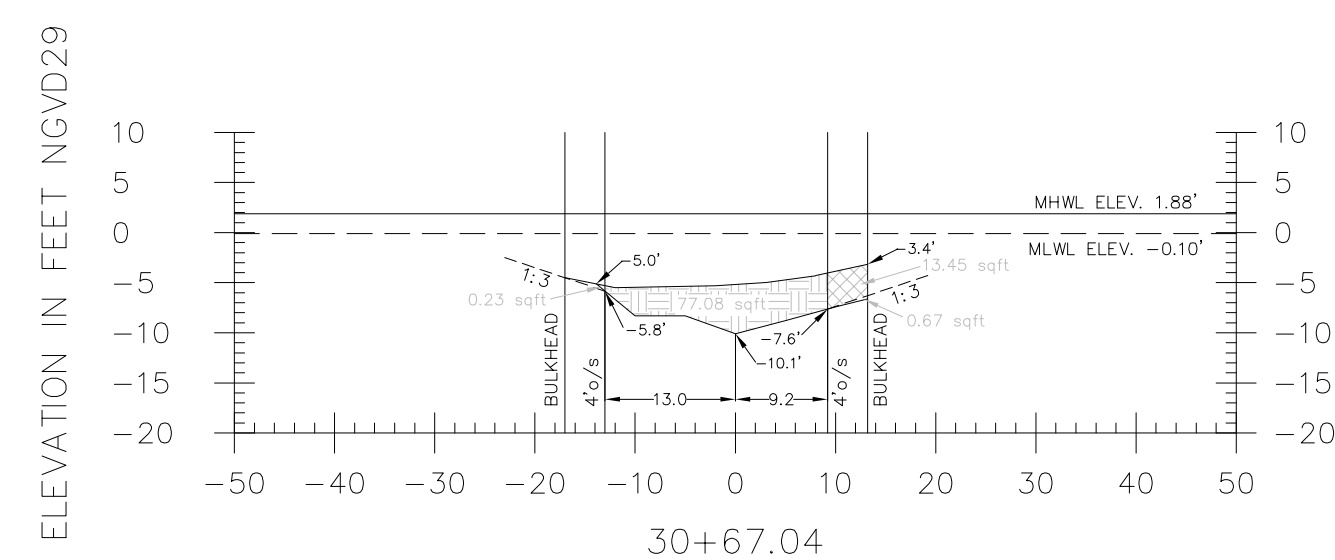
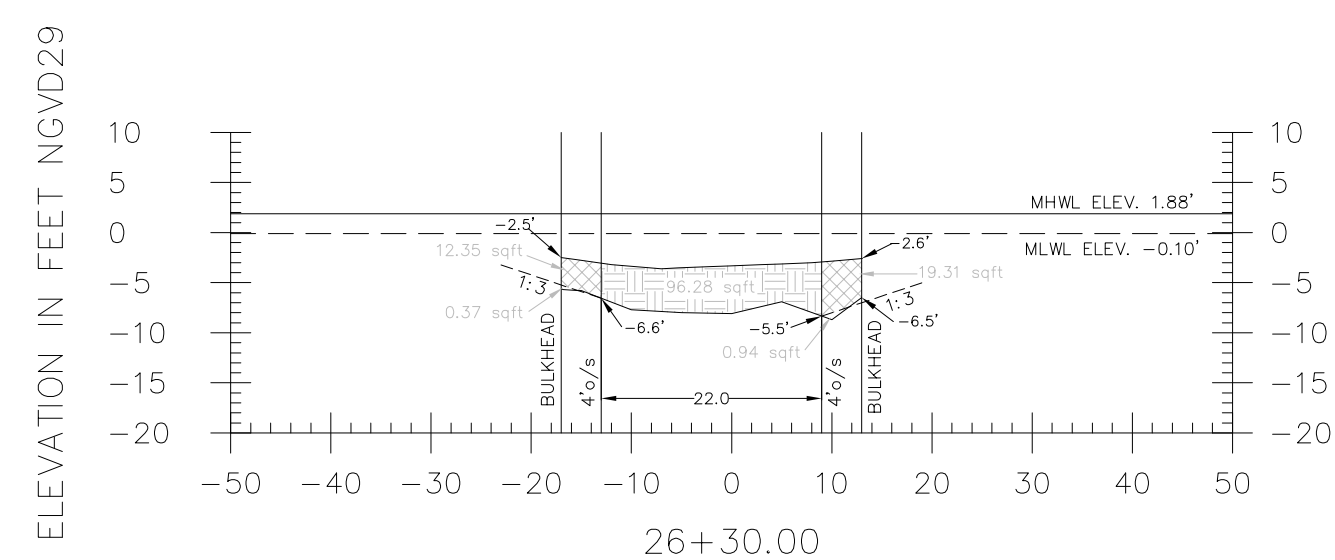
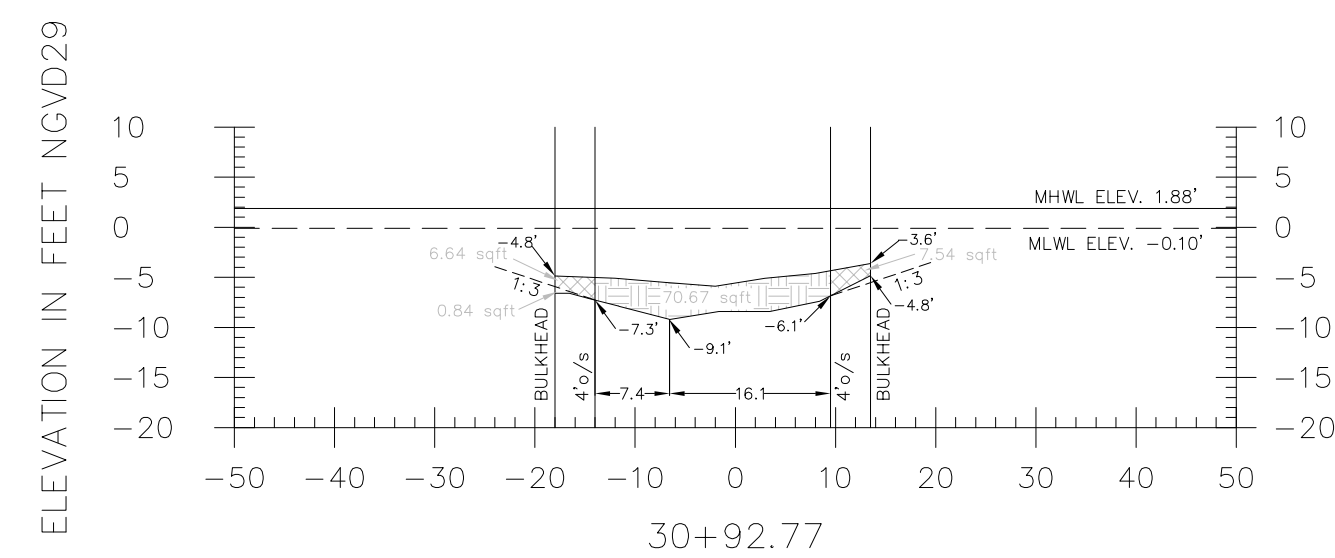
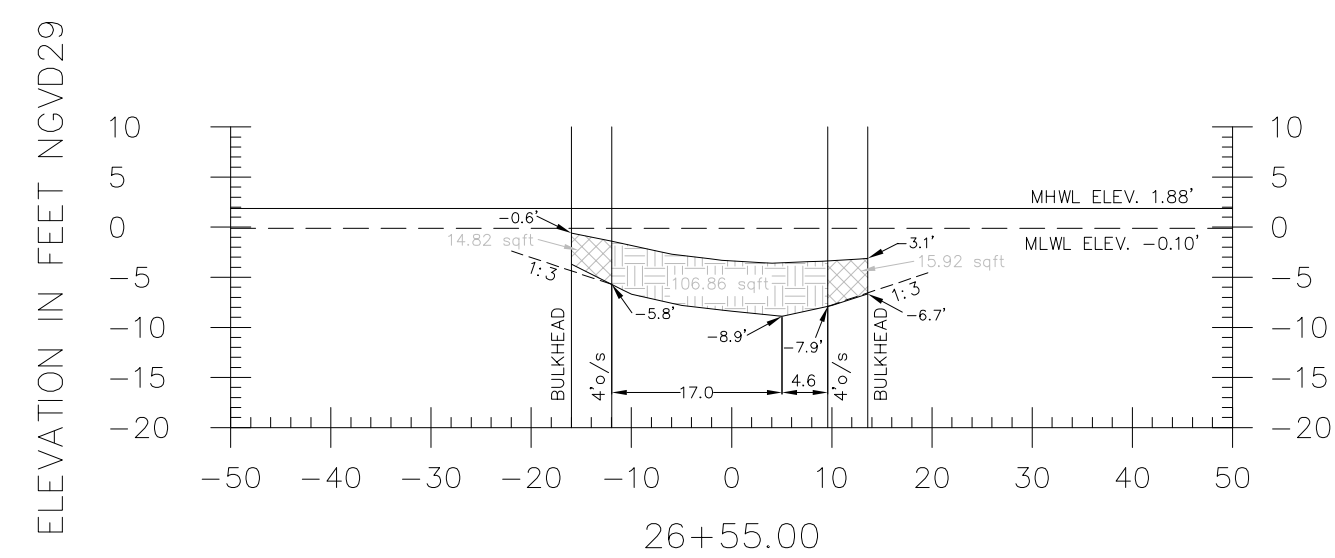
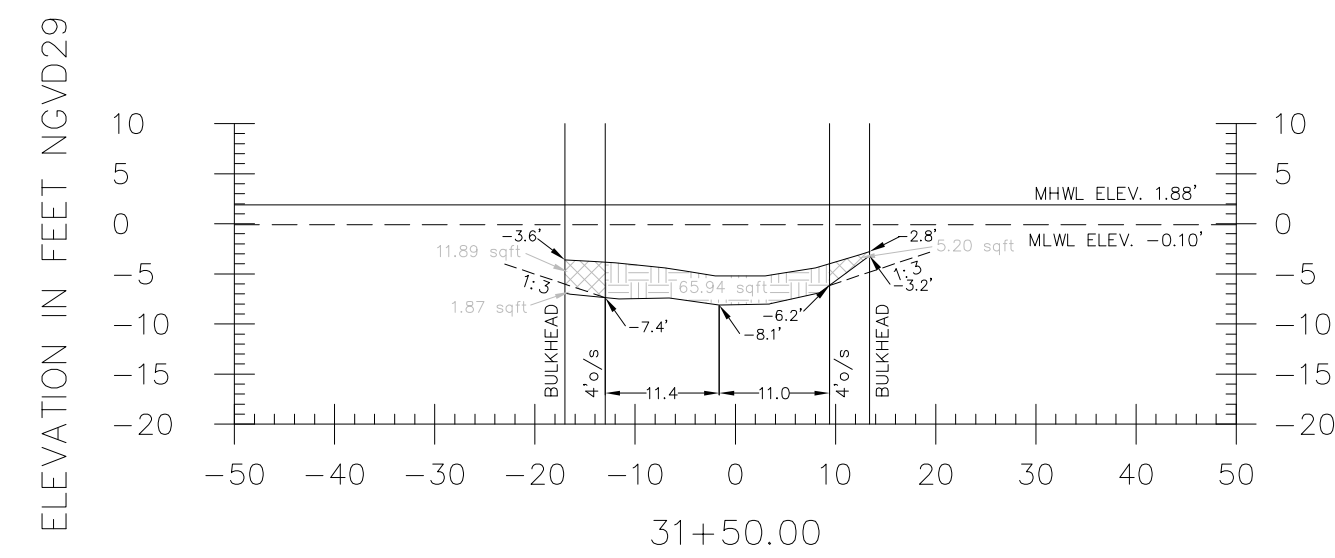
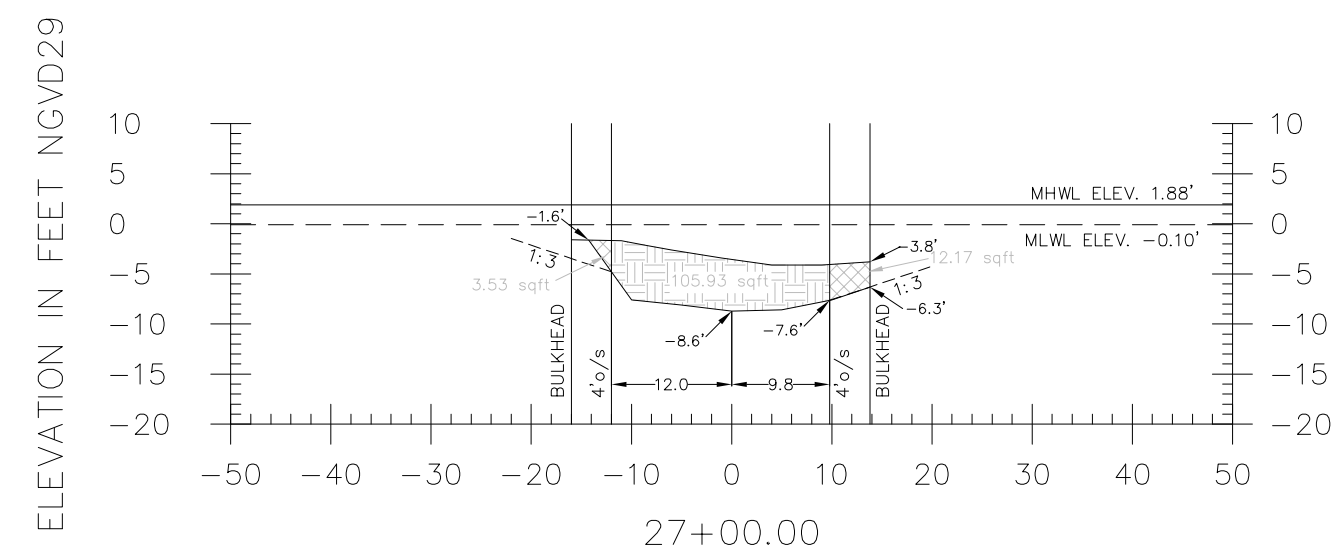
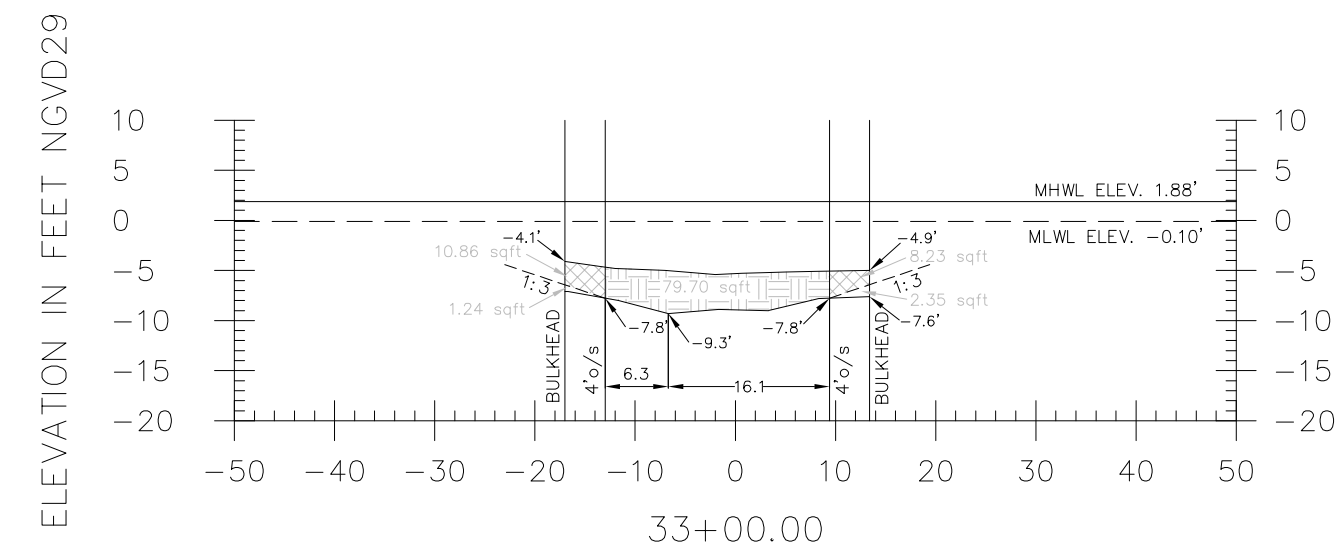
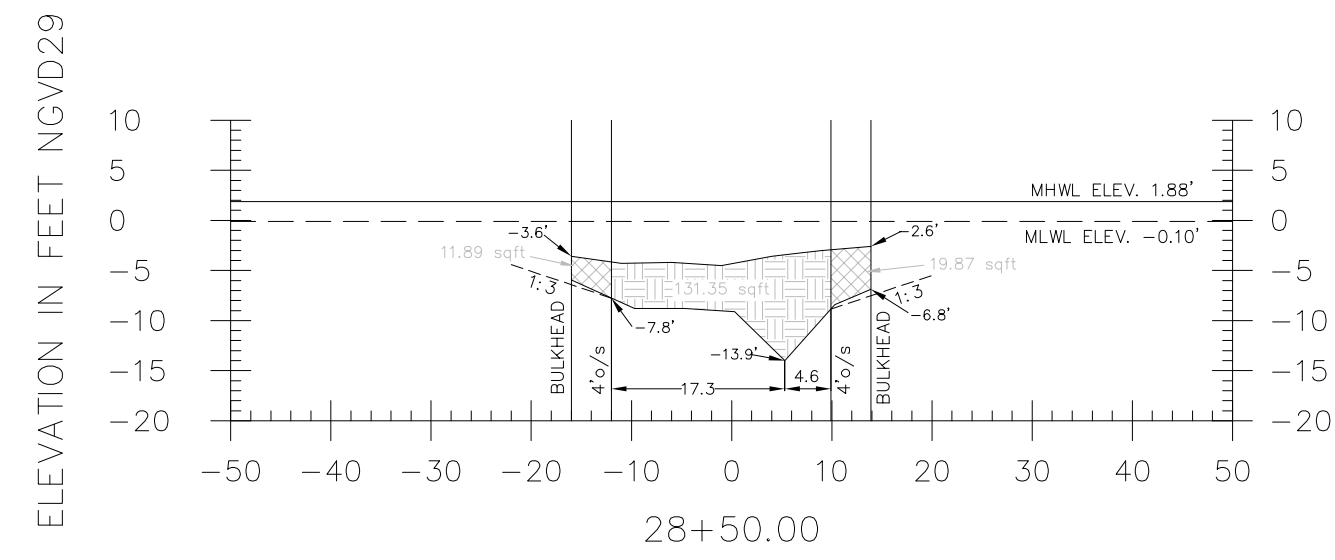
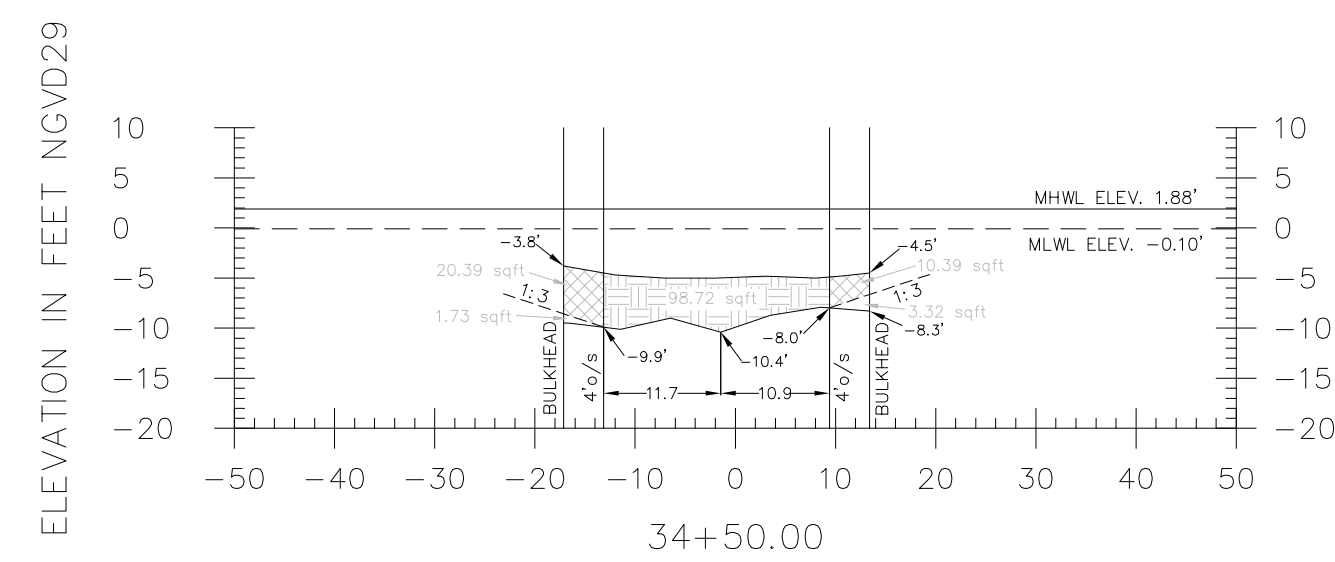
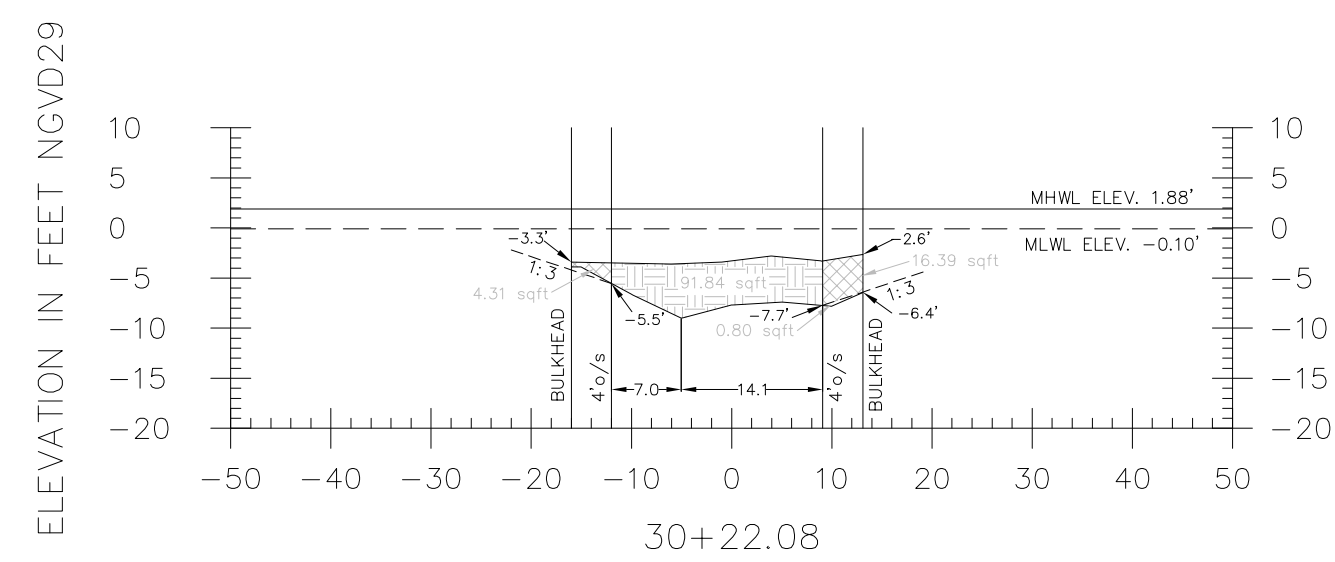
- = SEDIMENT TO BE REMOVED
- = SLOUGHING VOLUME
- = NATURAL SOIL/NON SEDIMENT
- = NATURAL SOIL/SEDIMENT INTERFACE
- = TOP OF SEDIMENT
- = 1.88' MEAN HIGH WATER LINE
- = -0.10' MEAN LOW WATER LINE
- = NATIONAL GEODETIC VERTICAL ELEVATION OF 1929
- = 1:3 SLOPE SLOUGHING LINE



NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.

OPERATIONAL SECTION 2

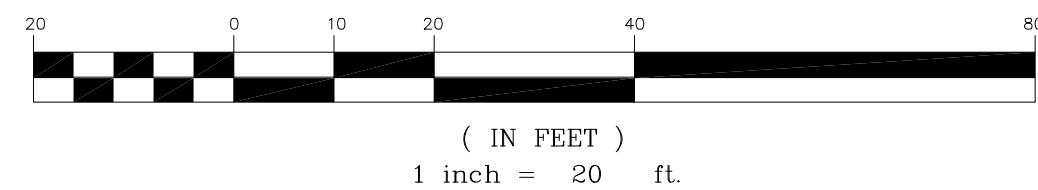
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|---------------------|--|--|---|----------------------------|----------------|---------------------------|--|--|--|--|-------------------------|--|
| CH2MHILL | ARC SURVEYING & MAPPING, INC. <small>5202 San Juan Ave. Jacksonville, Florida 32210 Tel. (904)384-8377 Fax (904)384-8388 www.arcsurveyors.com Licensed Business # 6487</small> | DADE COUNTY, FLORIDA WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | File name: 071007XSEC.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-01-08 | | | | | PROJECT NO. 07-10-07 | |
| | | | Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 07-17-08 | | | | | | |
| | | | Survey Performed for: | | | | | | | | | |
| | | | CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | | | |
| | | | No. | Approved | Date | | | | | | SHEET 11 OF 16 | |
| | | | | | | | | | | | Description | |



LEGEND

- SEDIMENT TO BE REMOVED
- SLOUGHING VOLUME
- NATURAL SOIL/NON SEDIMENT
- NATURAL SOIL/SEDIMENT INTERFACE
- TOP OF SEDIMENT
- 1.88' MEAN HIGH WATER LINE
- 0.10' MEAN LOW WATER LINE
- NGVD29
- 1:3 SLOPE SLOUGHING LINE

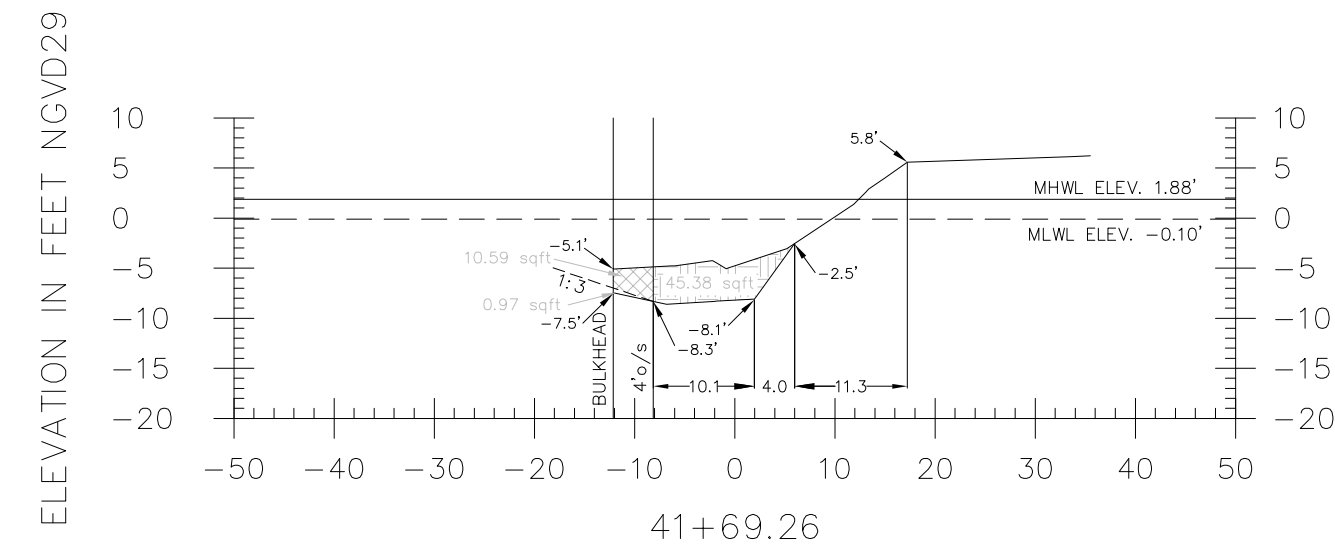
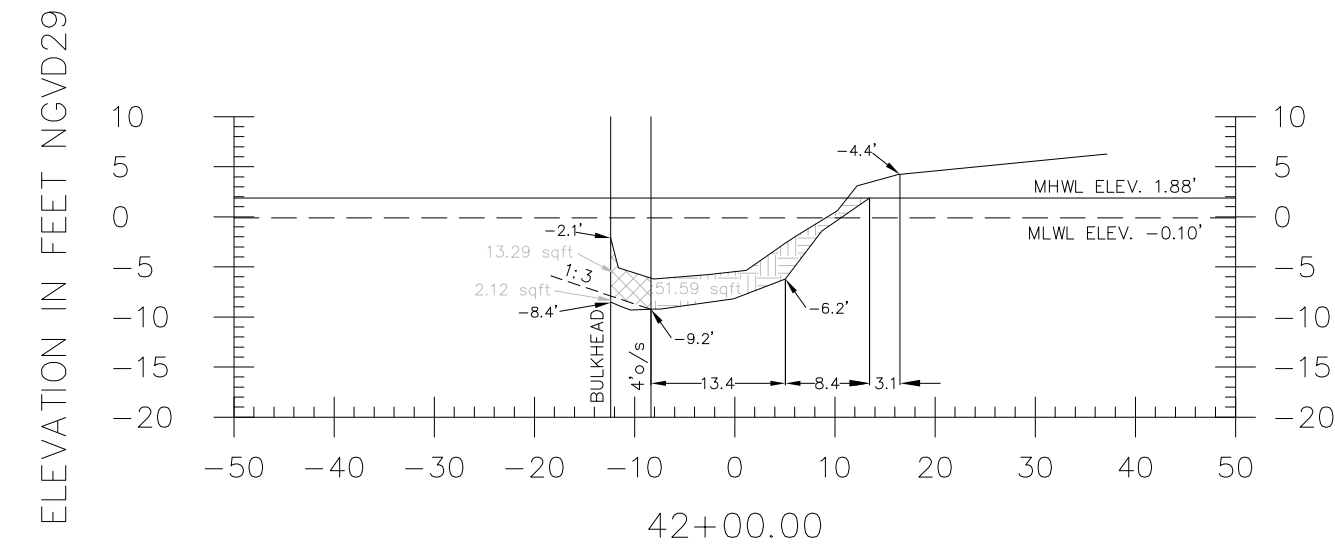
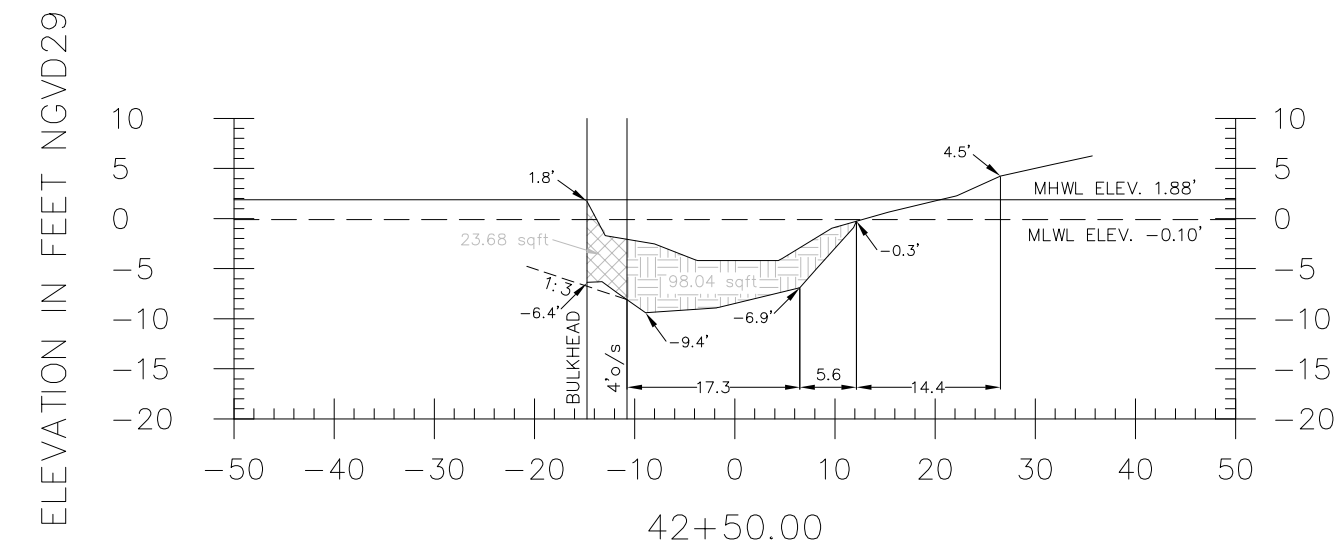
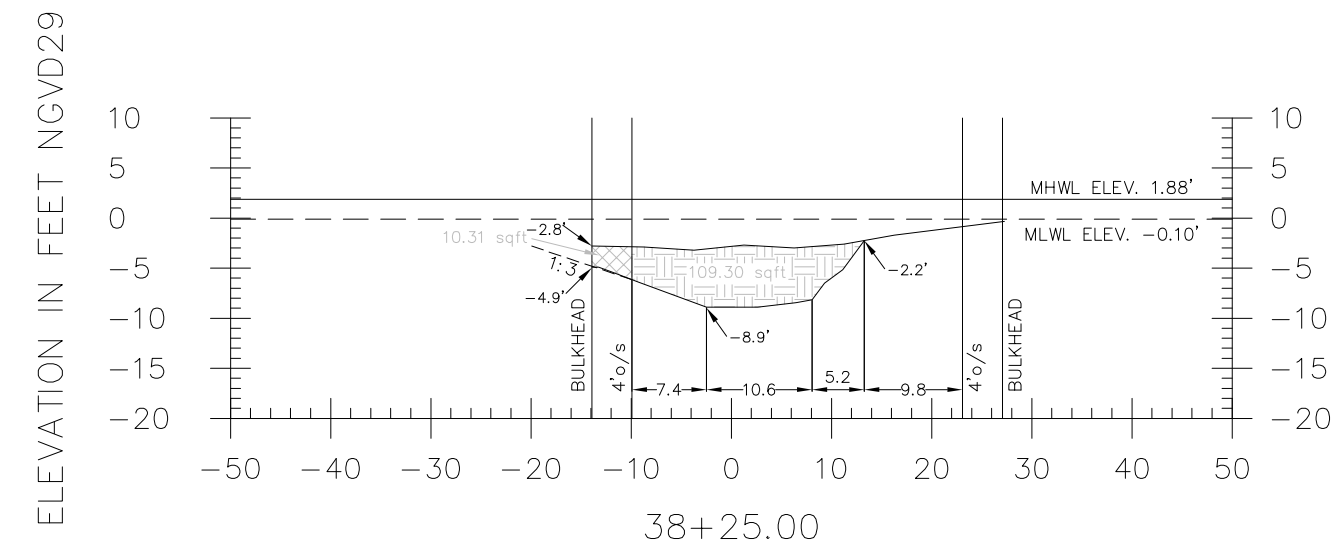
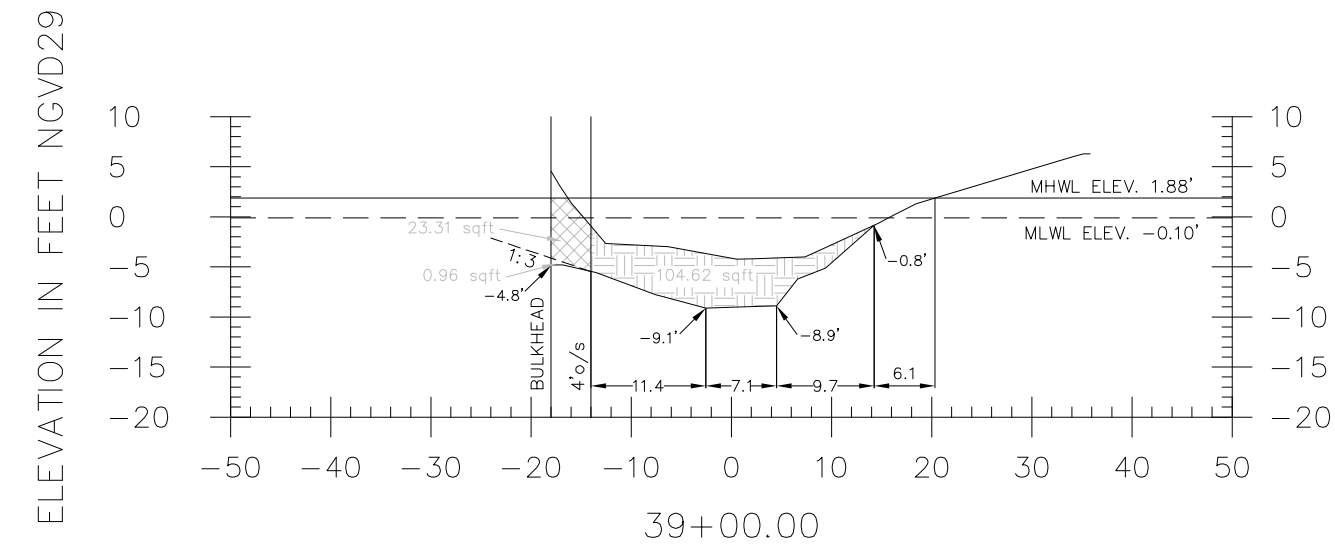
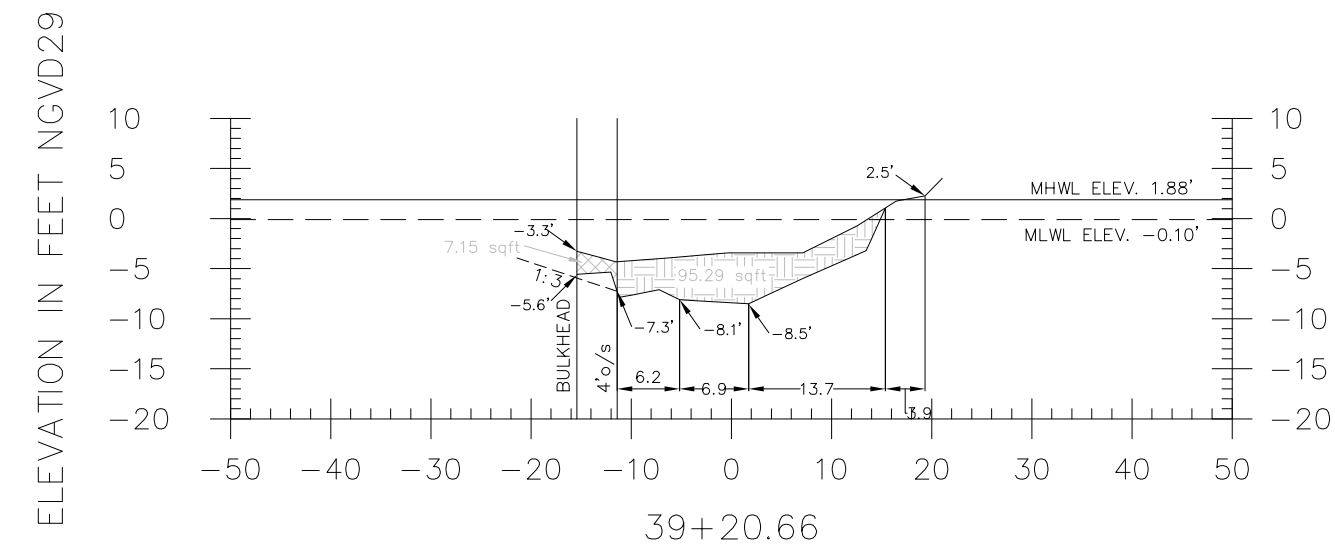
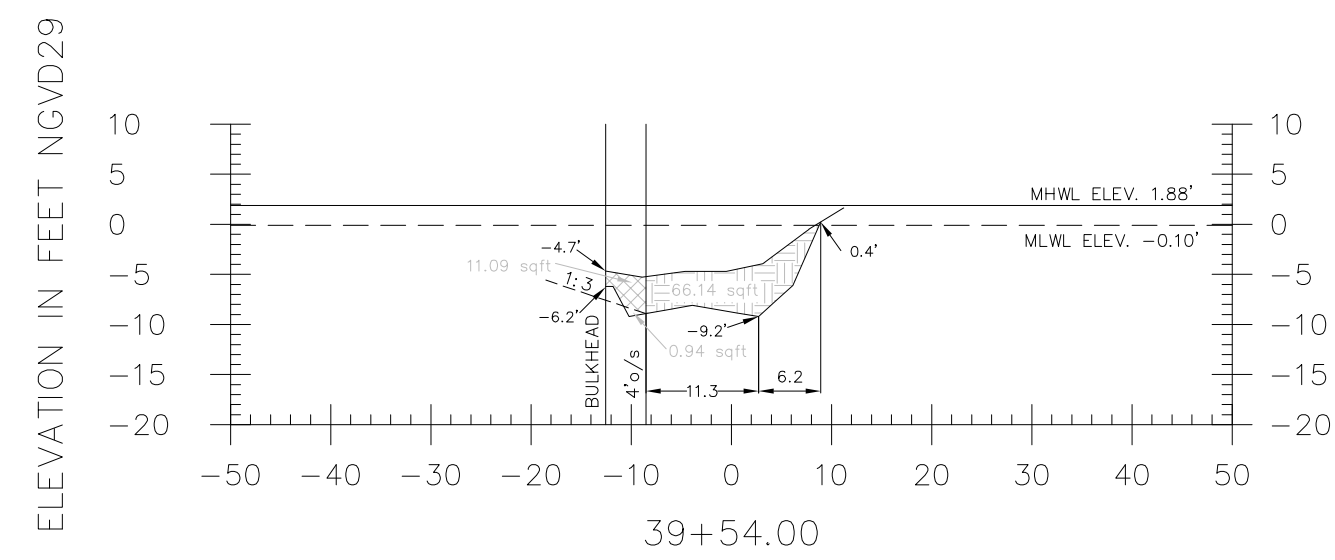
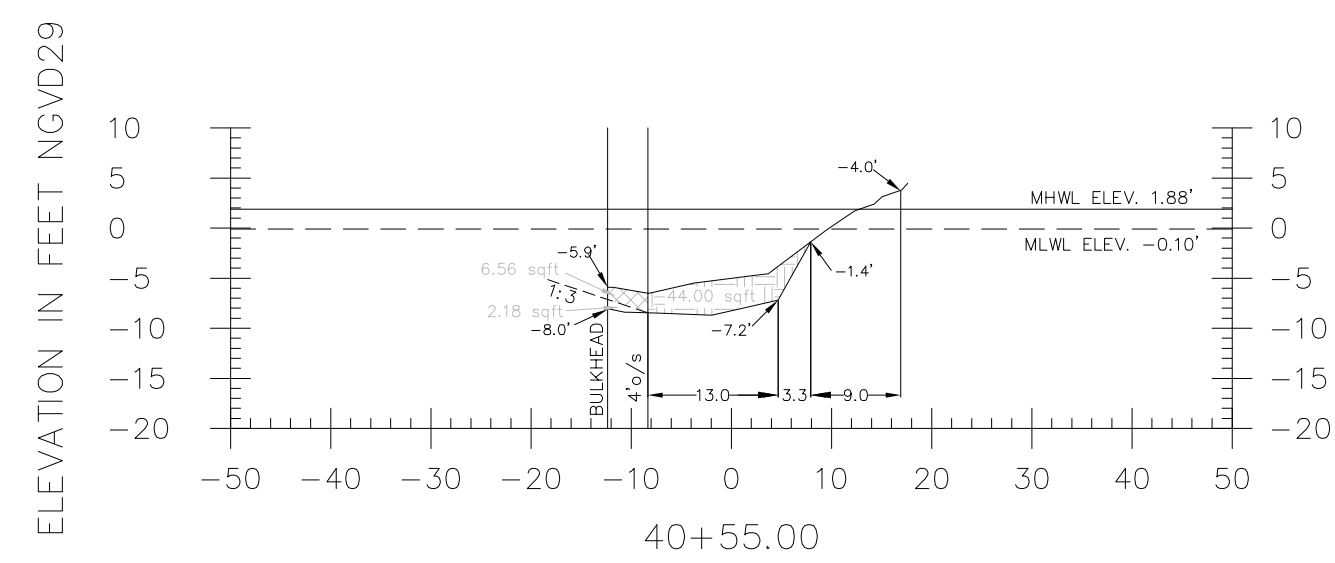
GRAPHIC SCALE



NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.

OPERATIONAL SECTION 3

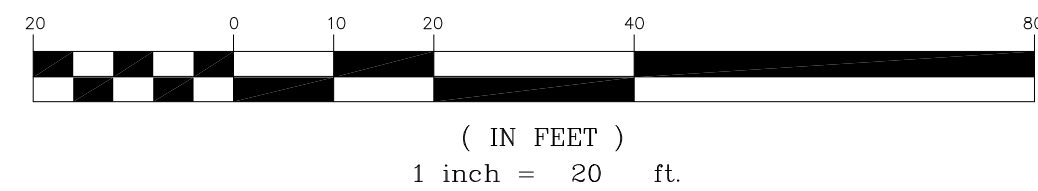
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|---|--|---|--|------------------------------|----------------------------|----------------|---------------------------|--|--|--|-------------------------------|-------------------------|
| CH2MHILL | ARC SURVEYING & MAPPING, INC. | DADE COUNTY, FLORIDA | | File name: 071007XSEC.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-01-08 | | | | | PROJECT NO. 07-10-07 |
| | | WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | | Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 07-17-08 | | | | | FILE NO. C-08-29 |
| Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | | | | | SHEET 12 OF 16 | |
| | | | | | | | | | | | No. Approved Date Description | |



LEGEND

- = SEDIMENT TO BE REMOVED
- = SLOUGHING VOLUME
- = NATURAL SOIL/NON SEDIMENT
- = NATURAL SOIL/SEDIMENT INTERFACE
- = TOP OF SEDIMENT
- = 1.88' MEAN HIGH WATER LINE
- = -0.10' MEAN LOW WATER LINE
- = NATIONAL GEODETIC VERTICAL ELEVATION OF 1929
- = 1:3 SLOPE SLOUGHING LINE

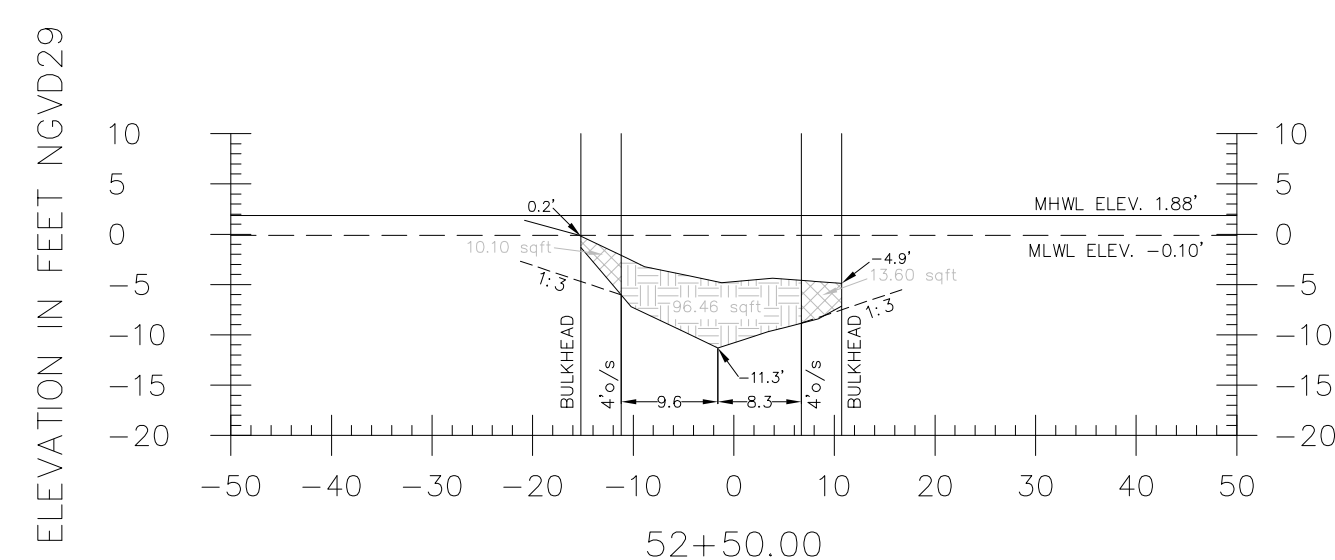
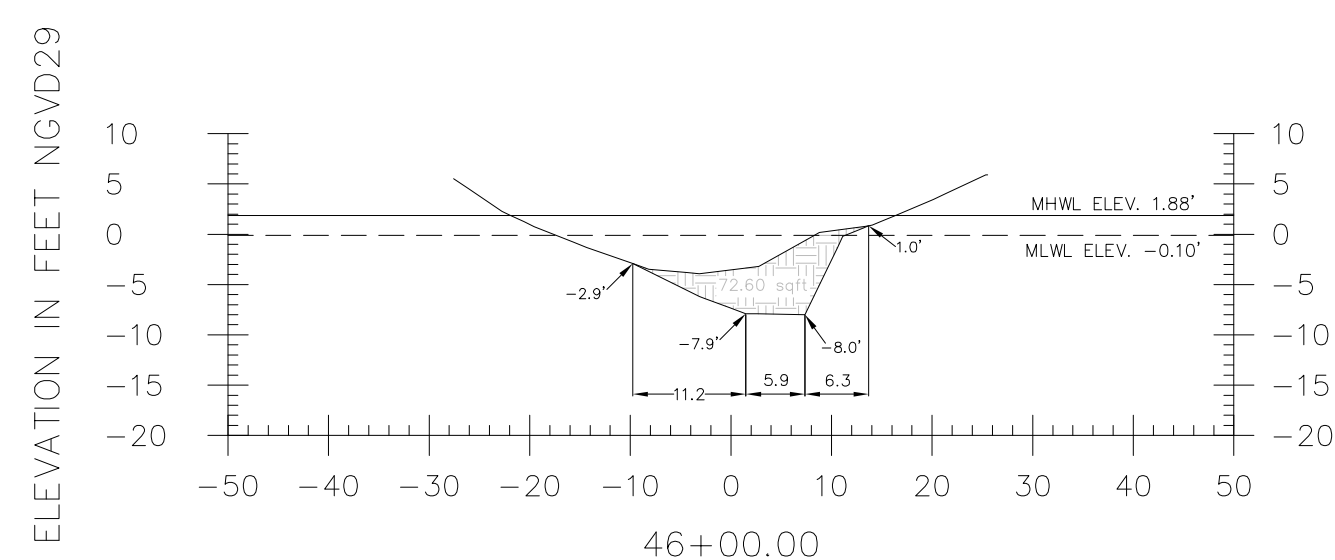
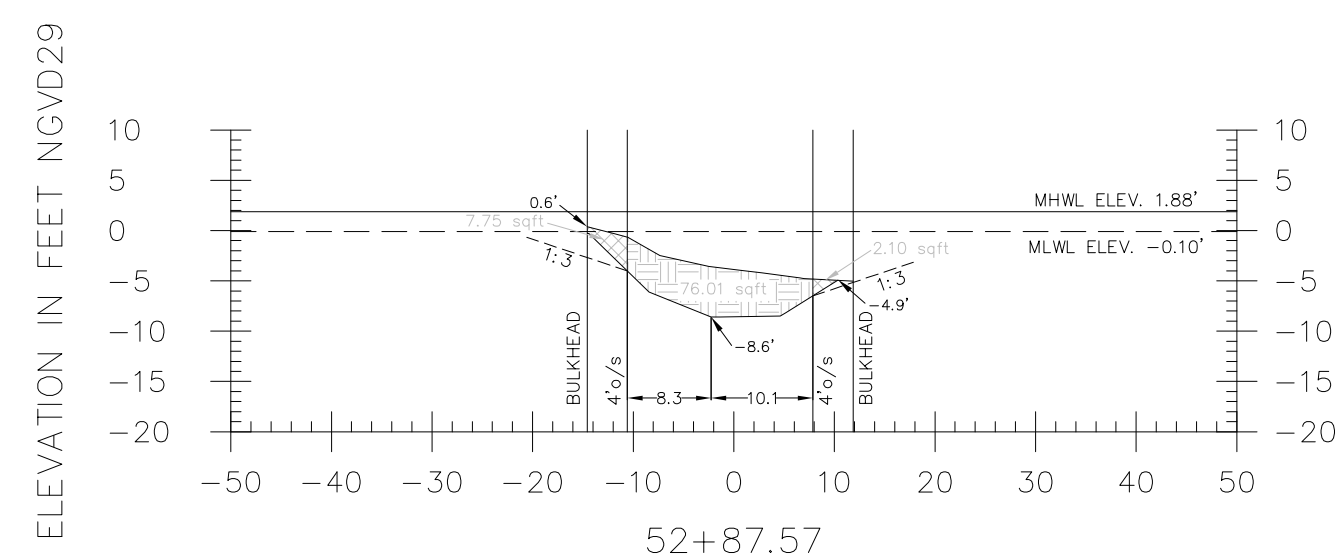
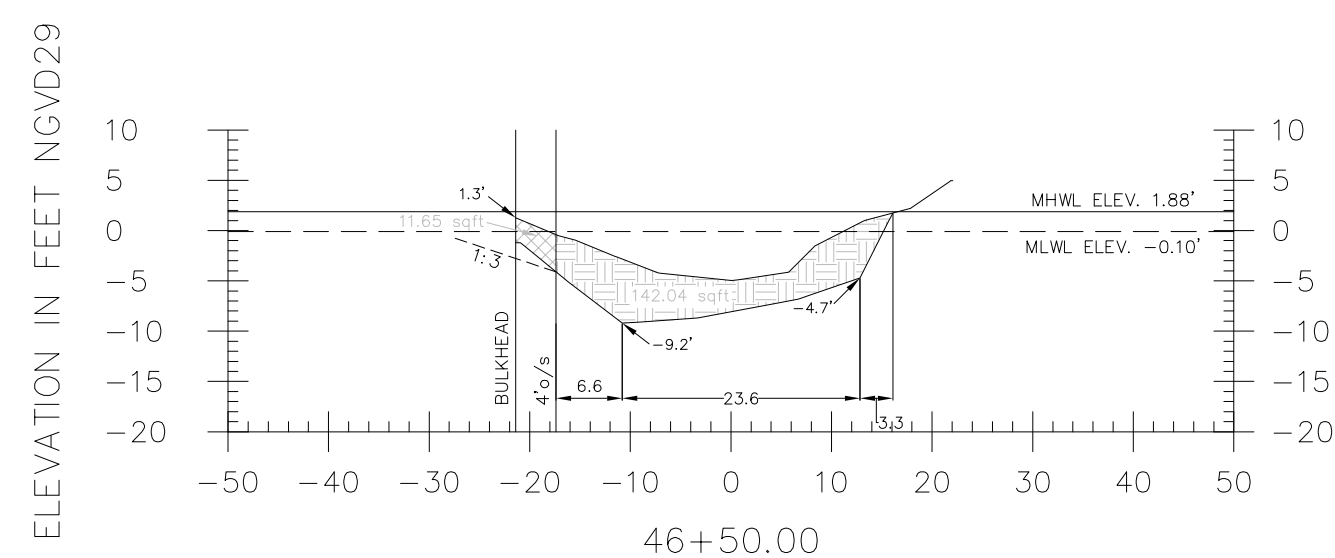
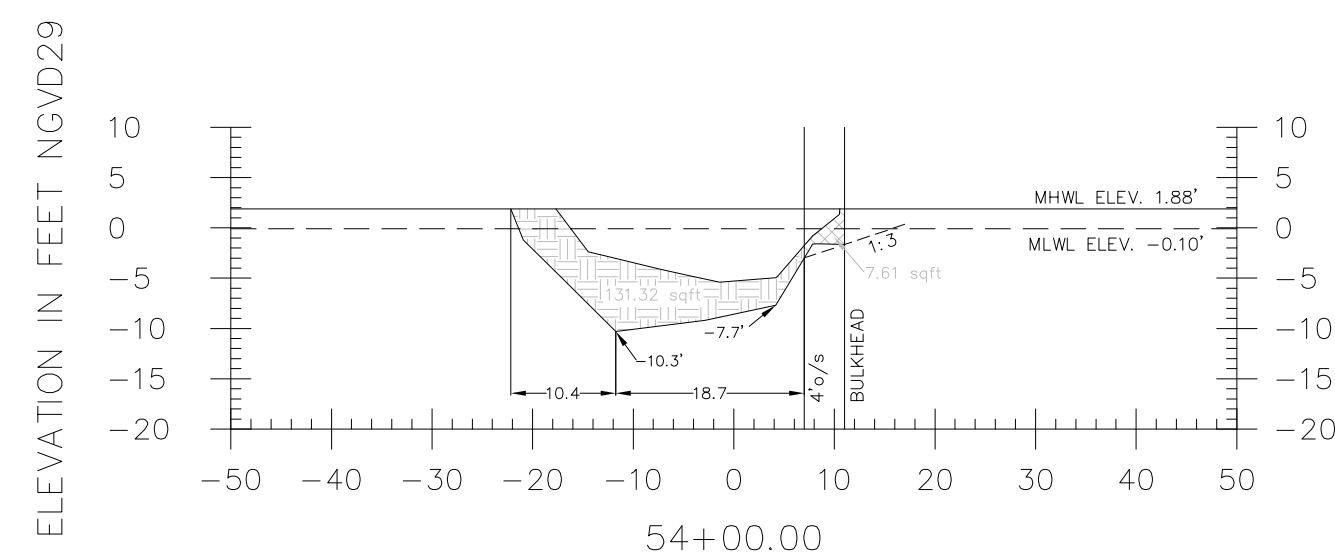
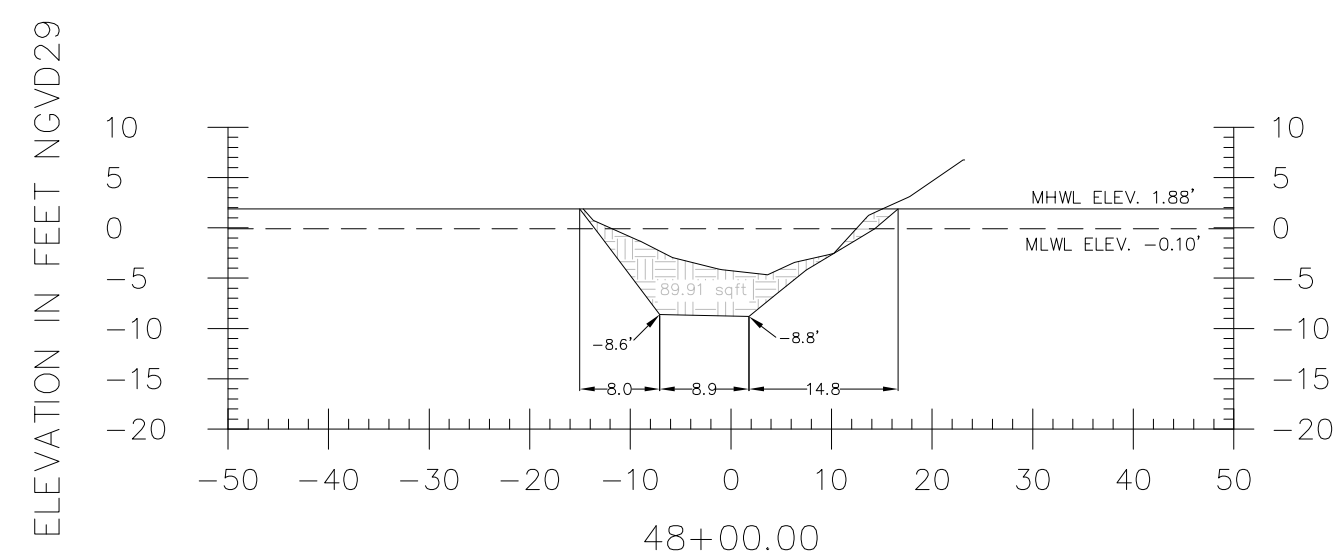
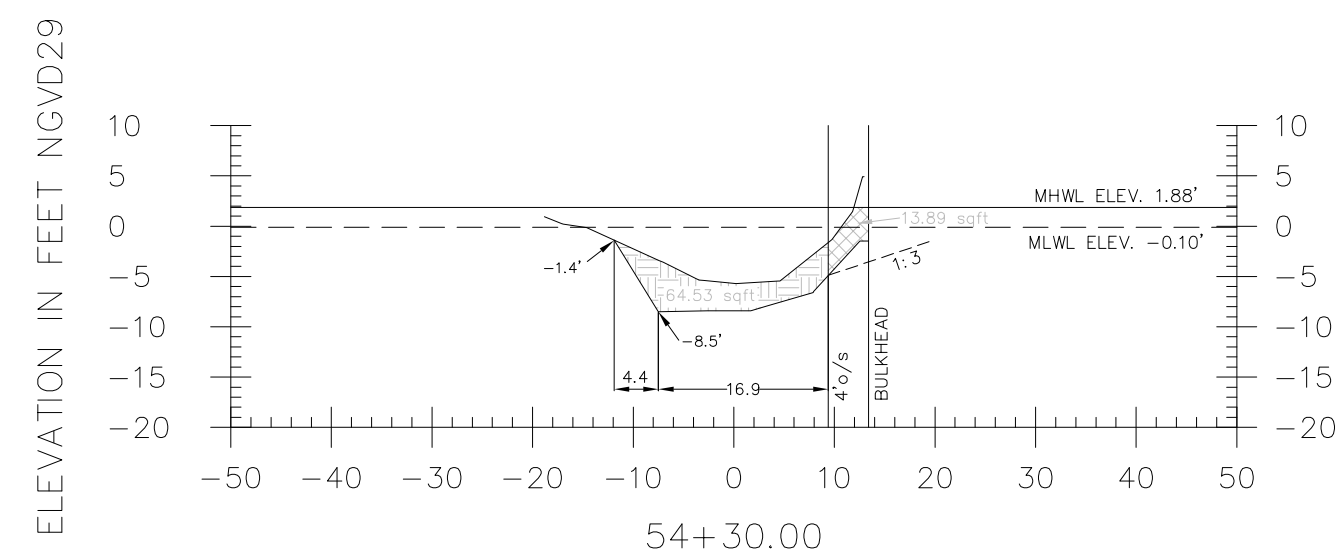
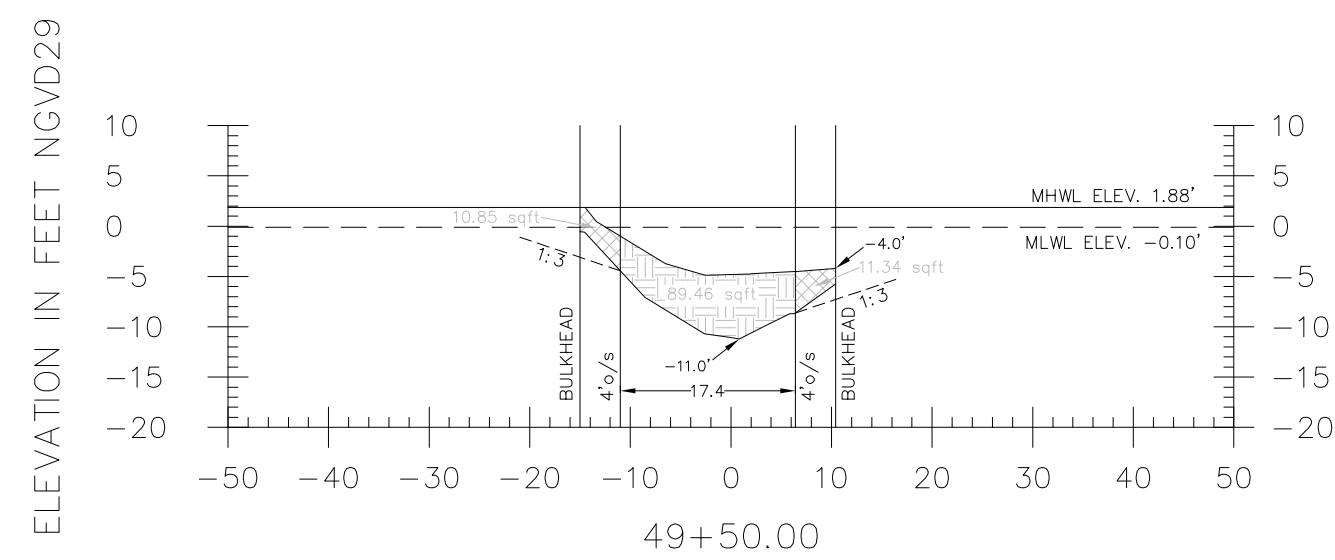
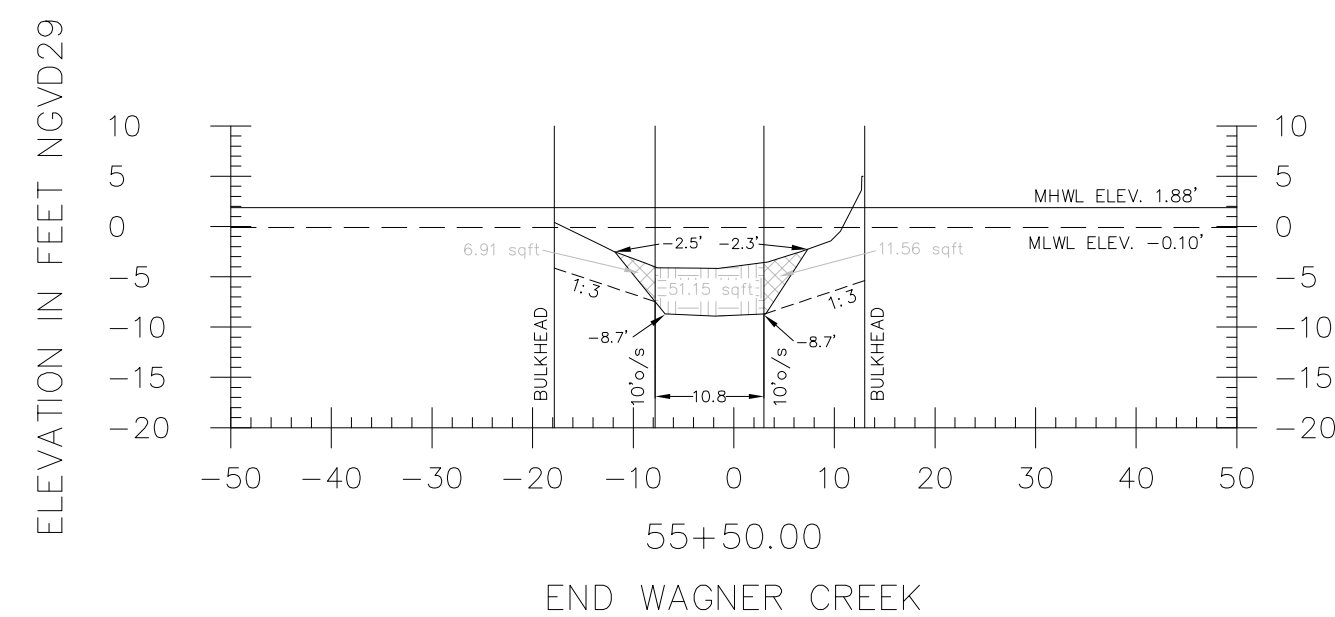
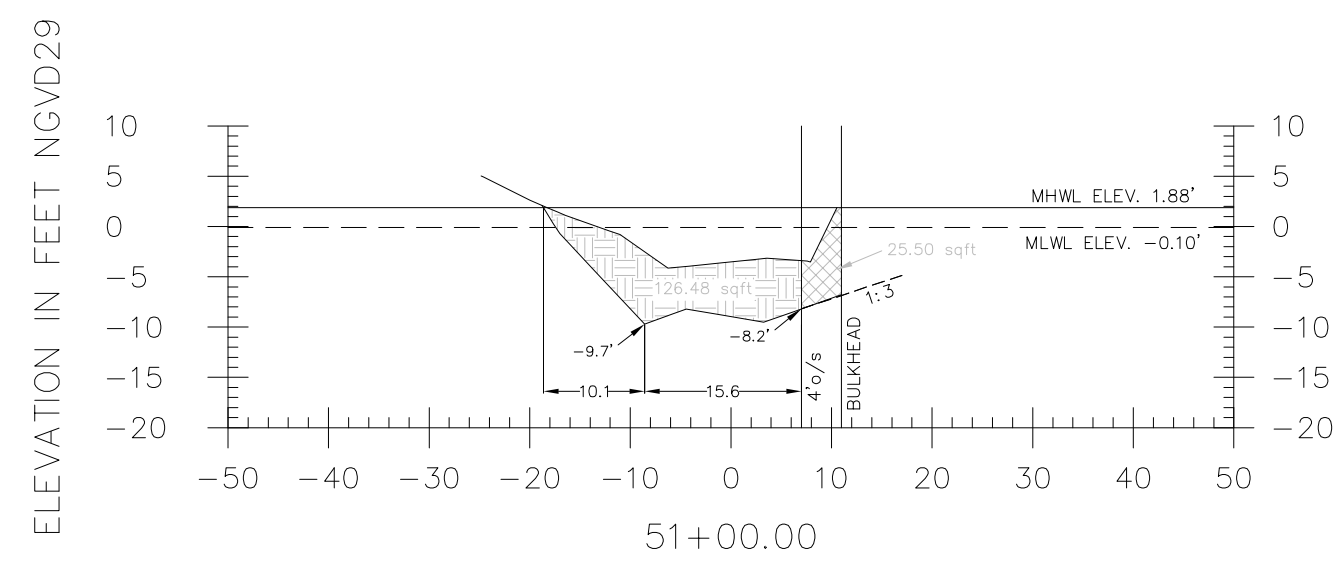
GRAPHIC SCALE



NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.

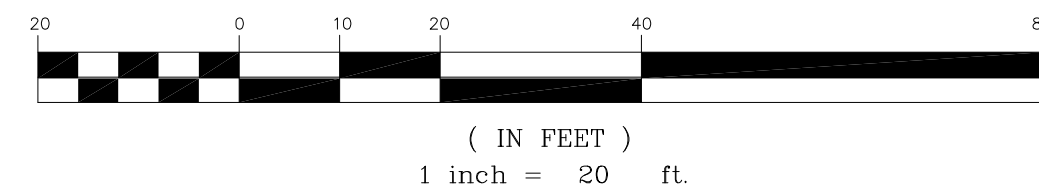
OPERATIONAL SECTION 4

| | | | | | | | | | | |
|-----|----------|--|---|----------------------------|----------------|---------------------------|--|--|--|-------------------------|
| | | DADE COUNTY, FLORIDA WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | File name: 071007XSEC.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-01-08 | | | | PROJECT NO. 07-10-07 |
| | | | Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 07-17-08 | | | | |
| | | | Survey Performed for: | | | | | | | |
| | | | CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | | | | |
| No. | Approved | Date | Description | | | | | | | |
| | | | SHEET 13 OF 16 | | | | | | | |



LEGEND

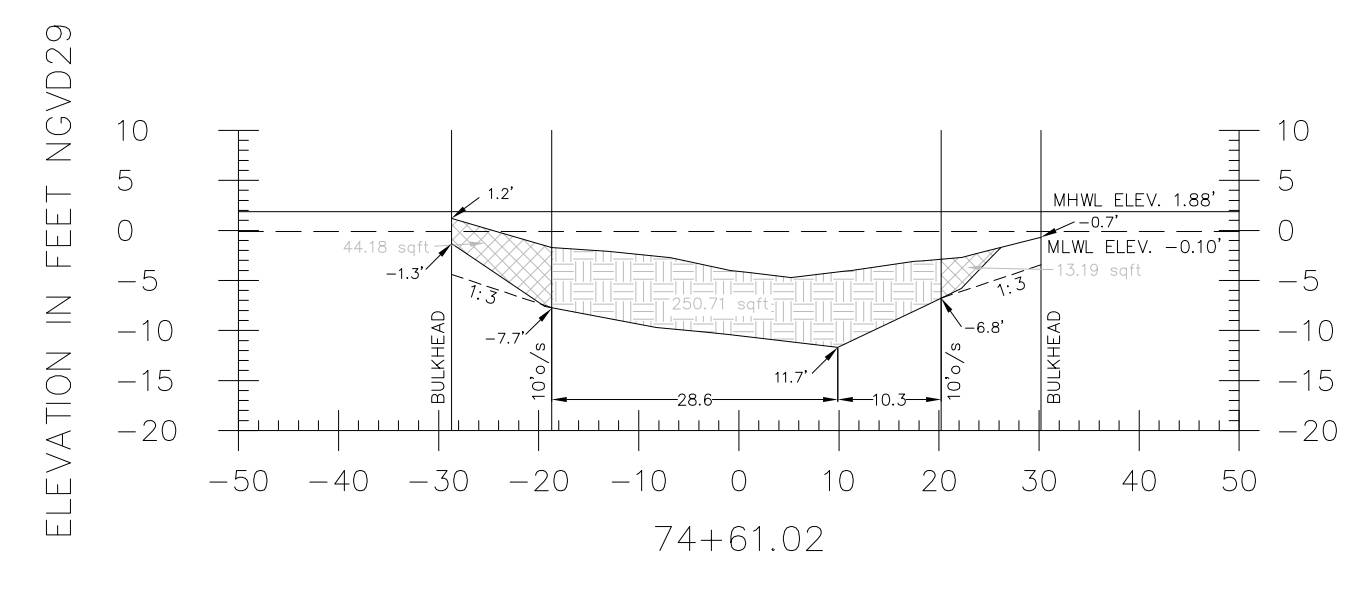
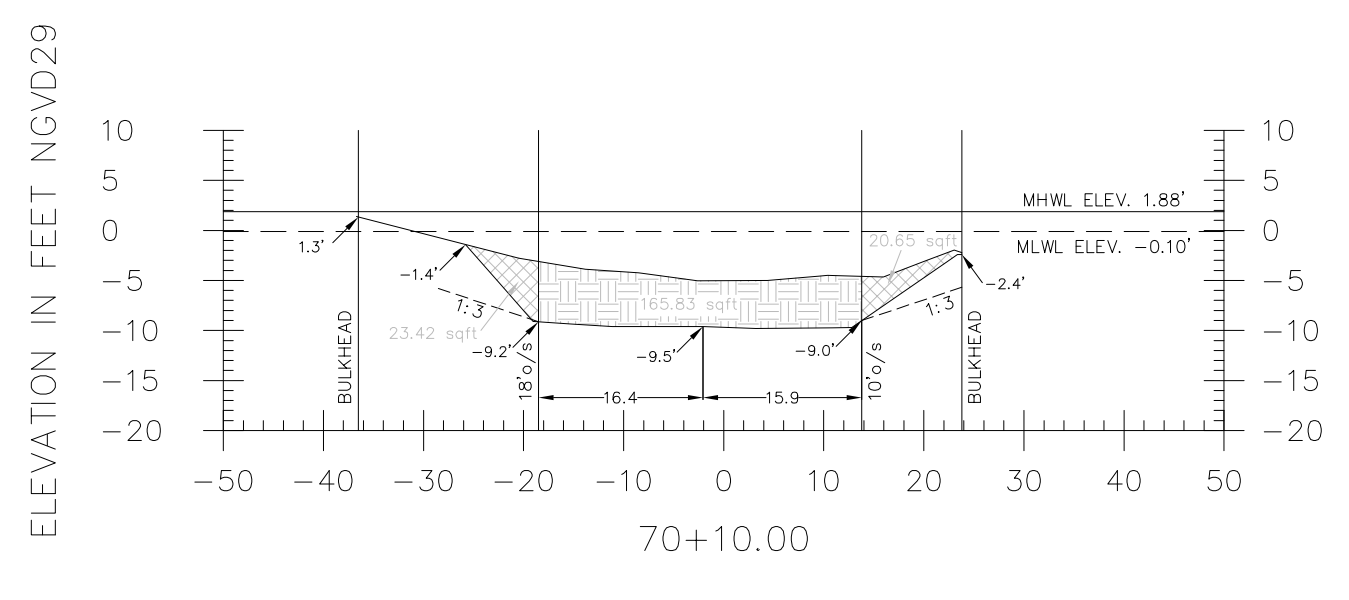
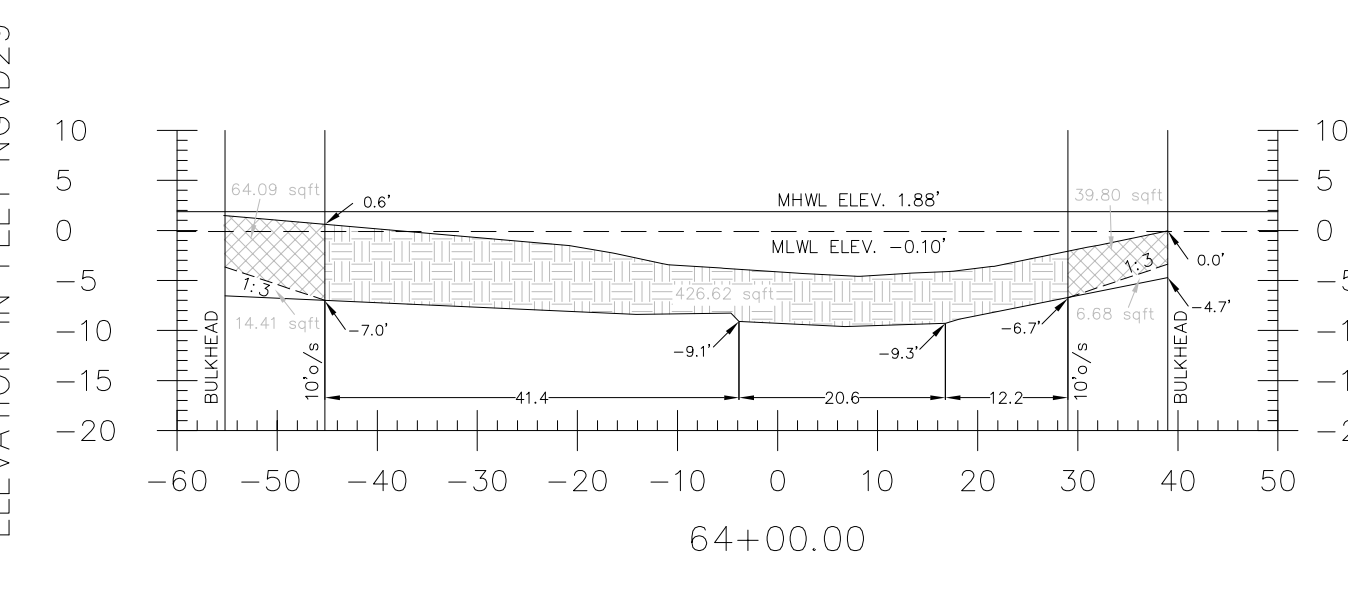
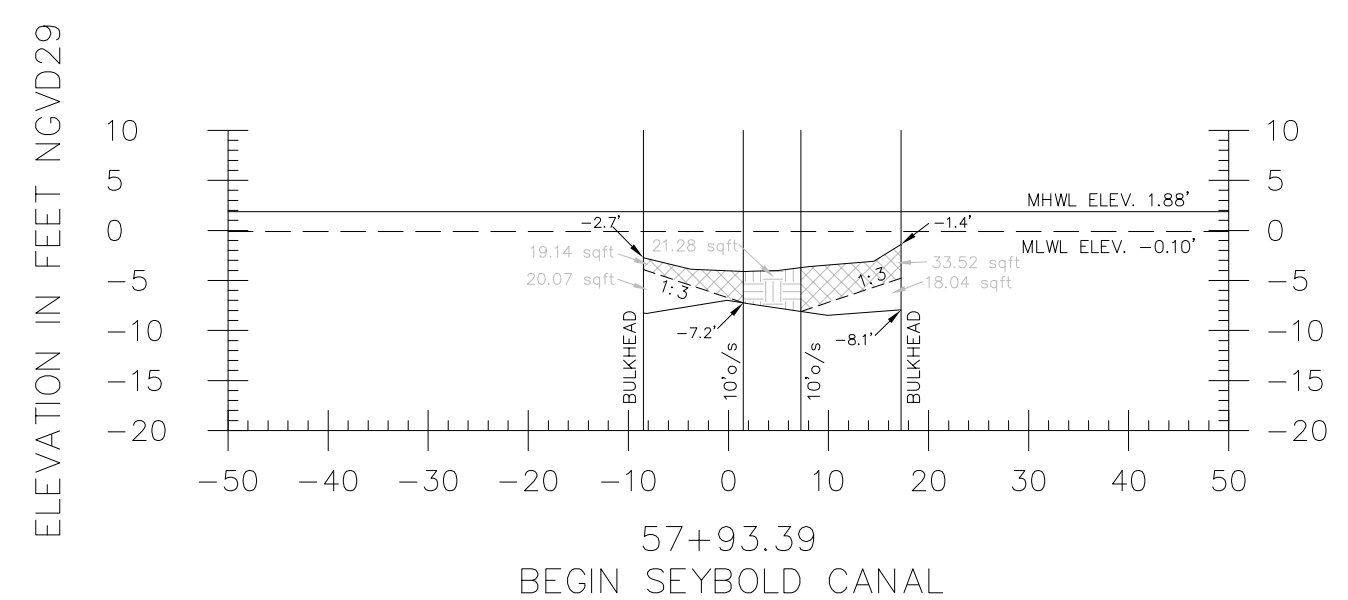
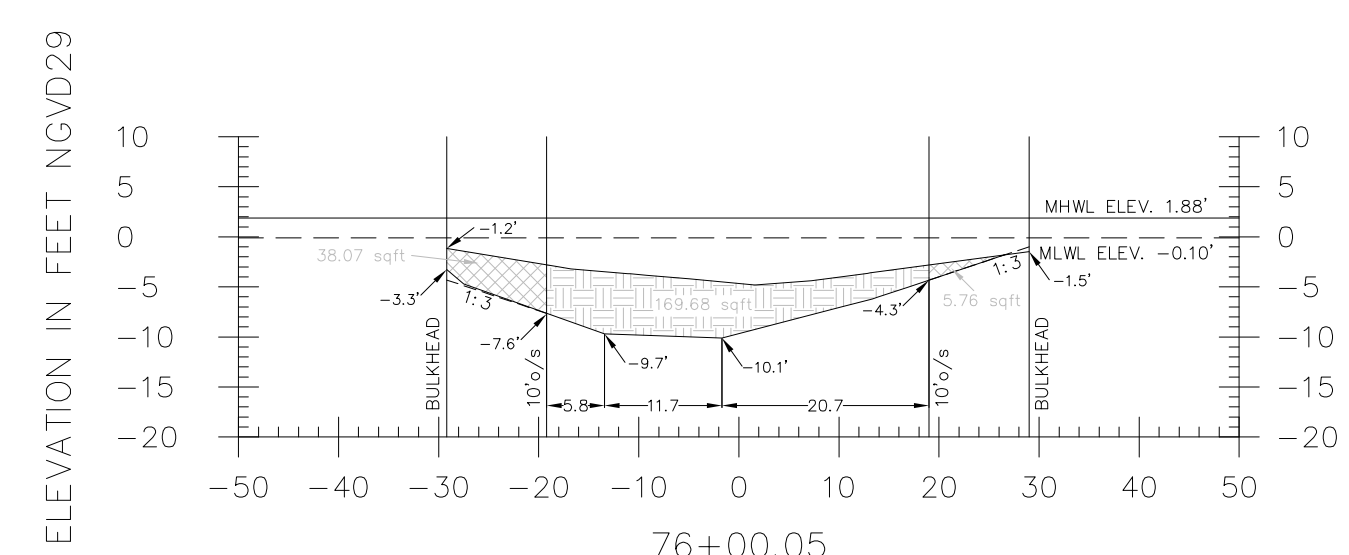
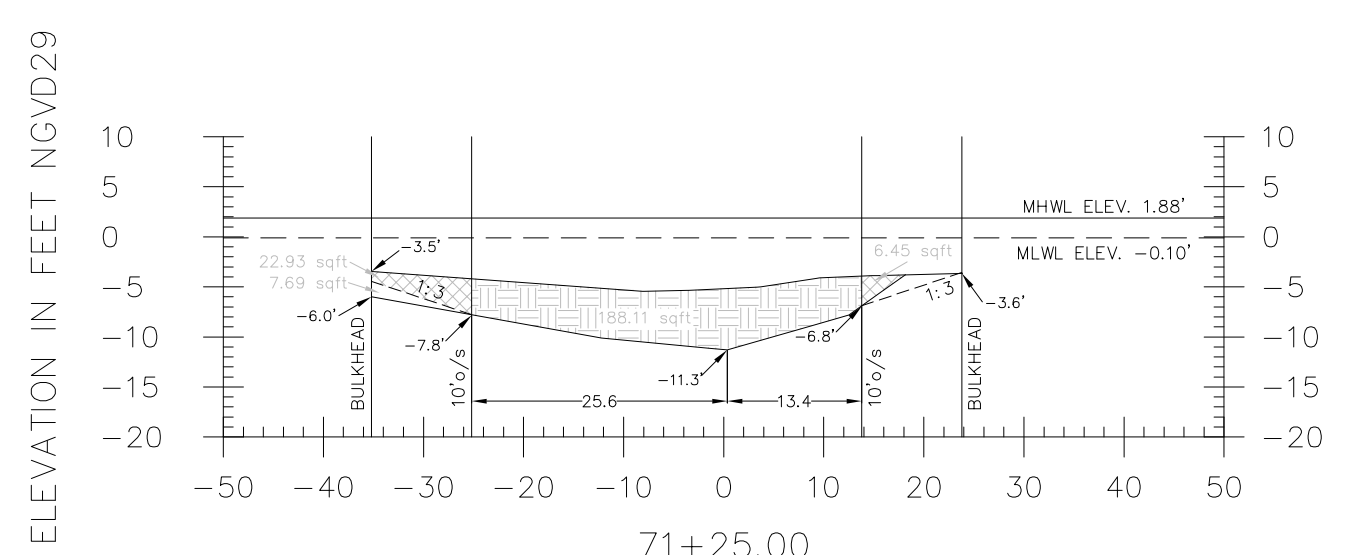
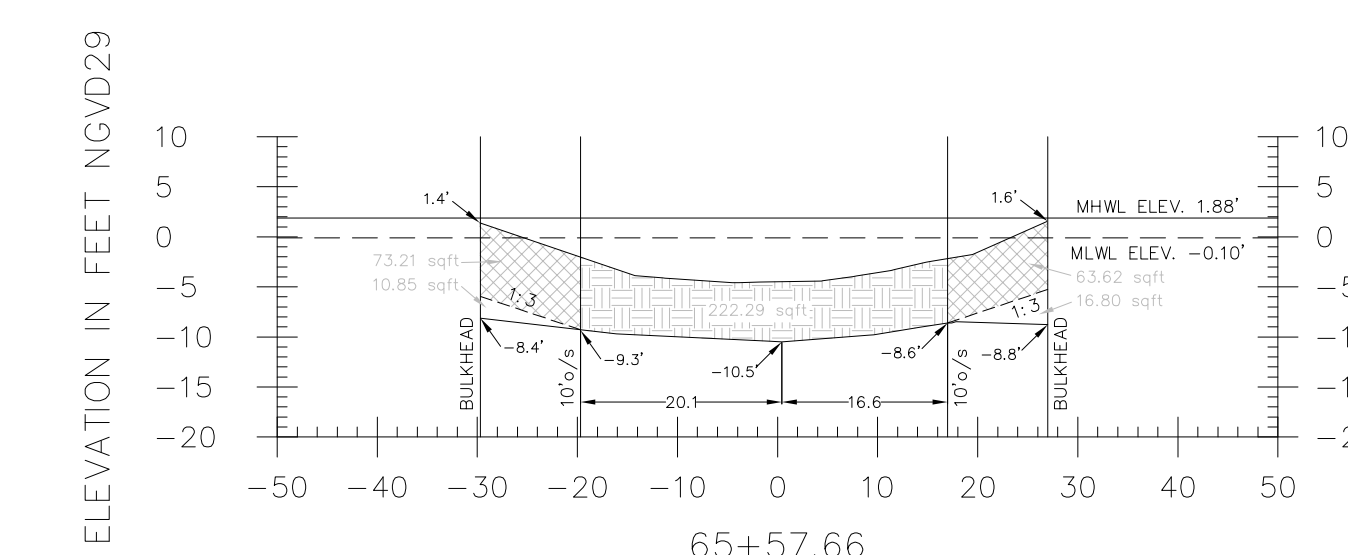
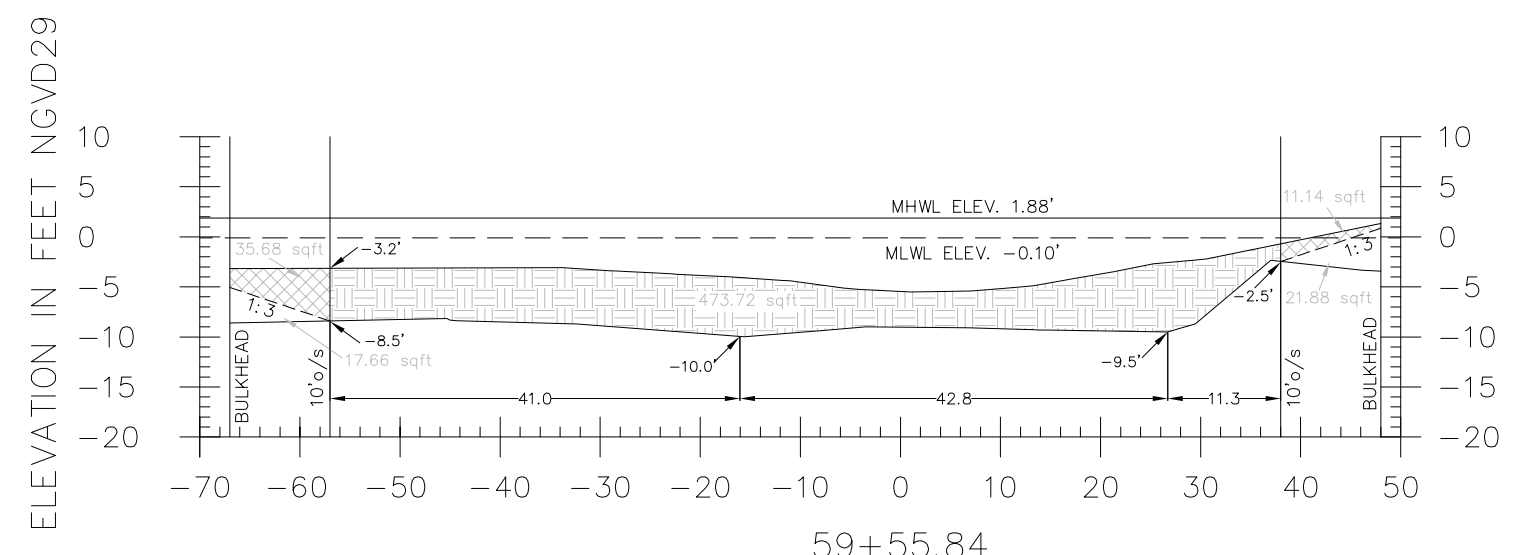
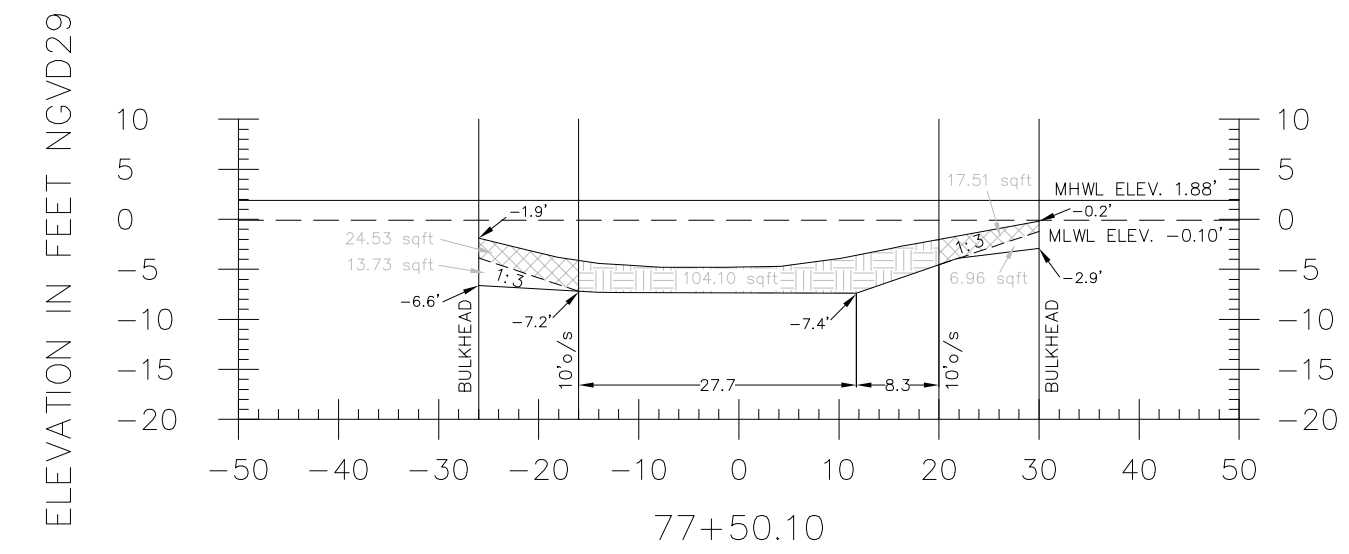
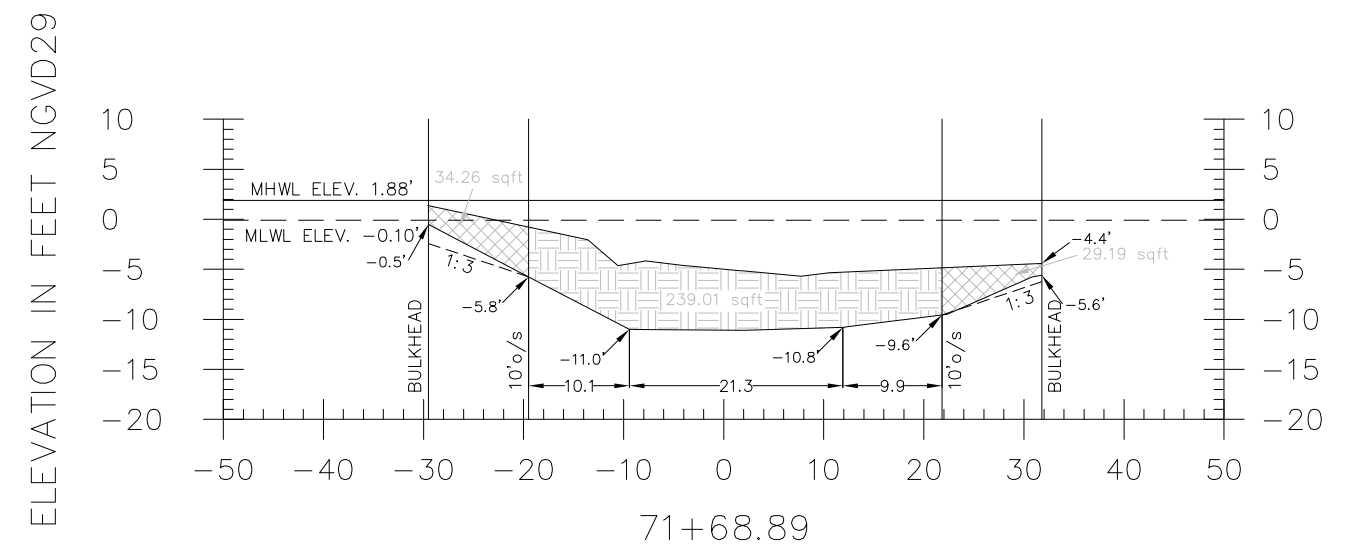
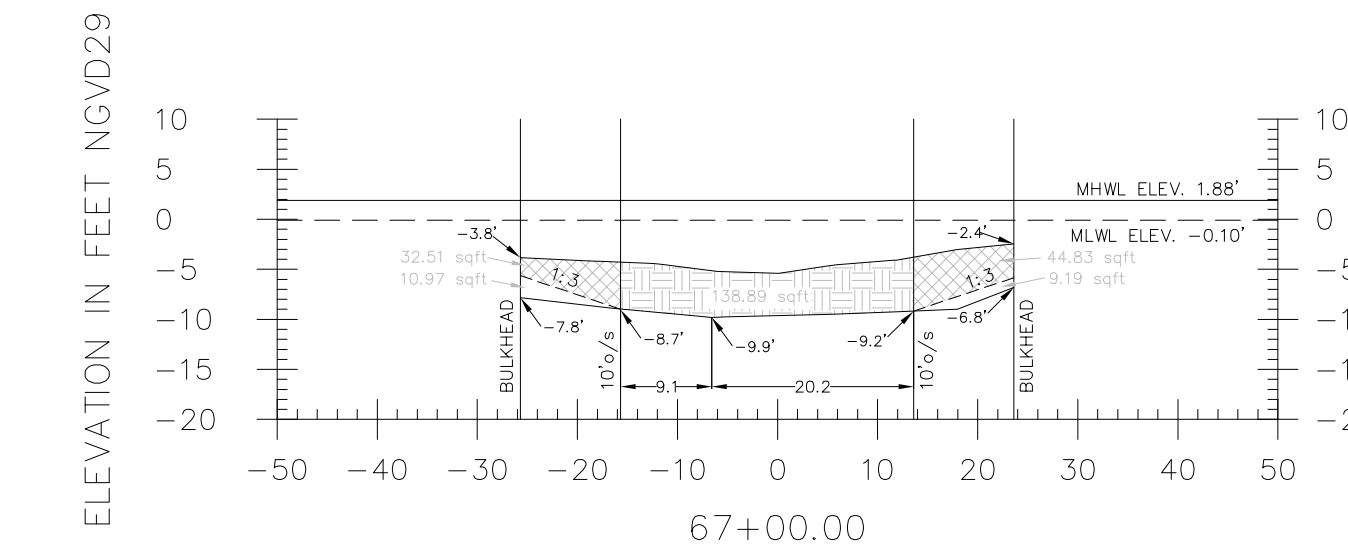
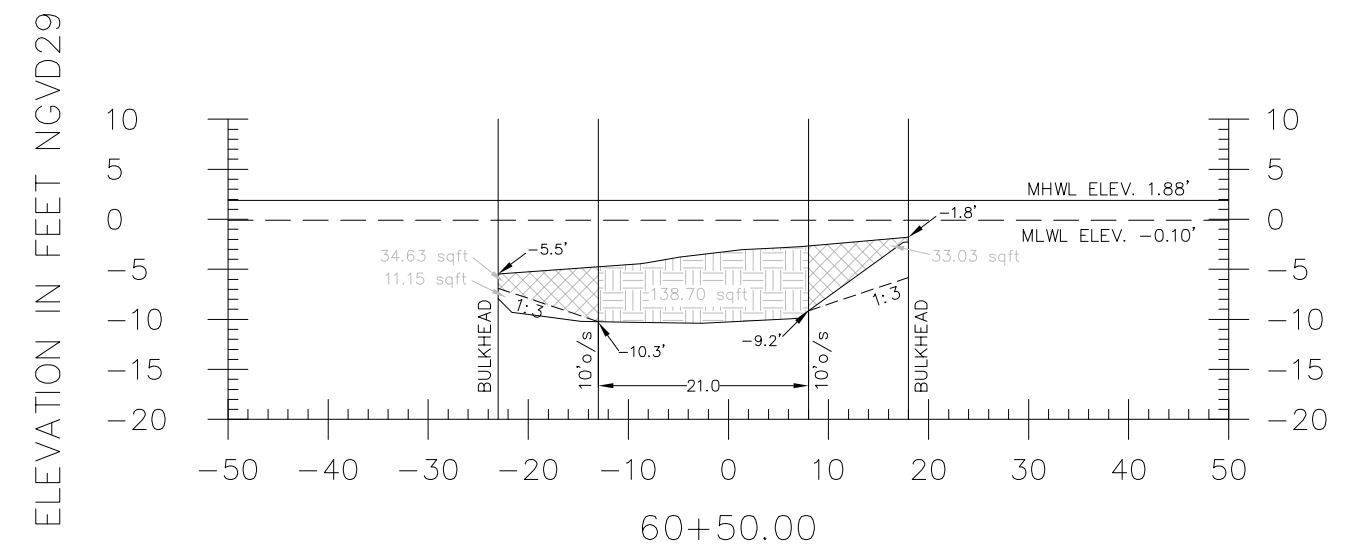
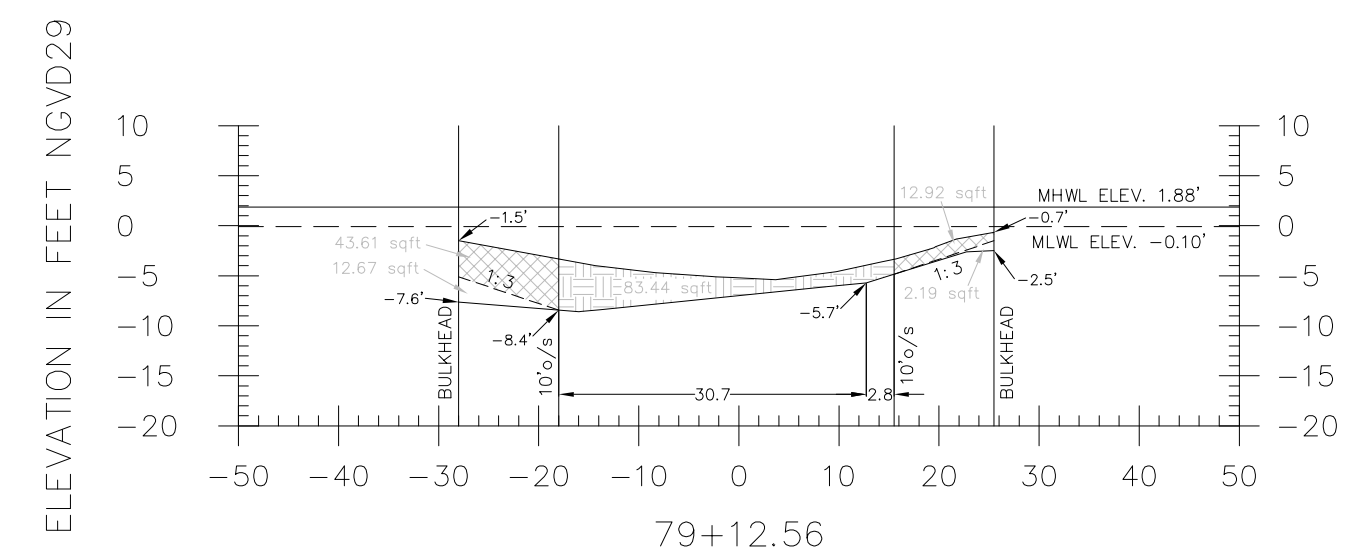
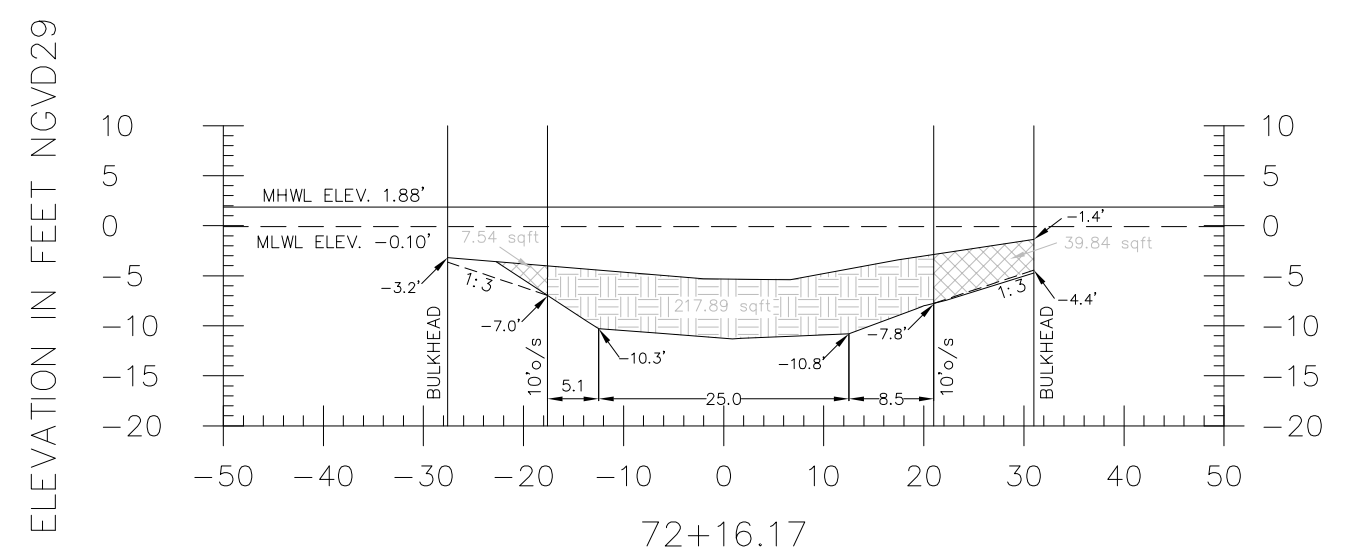
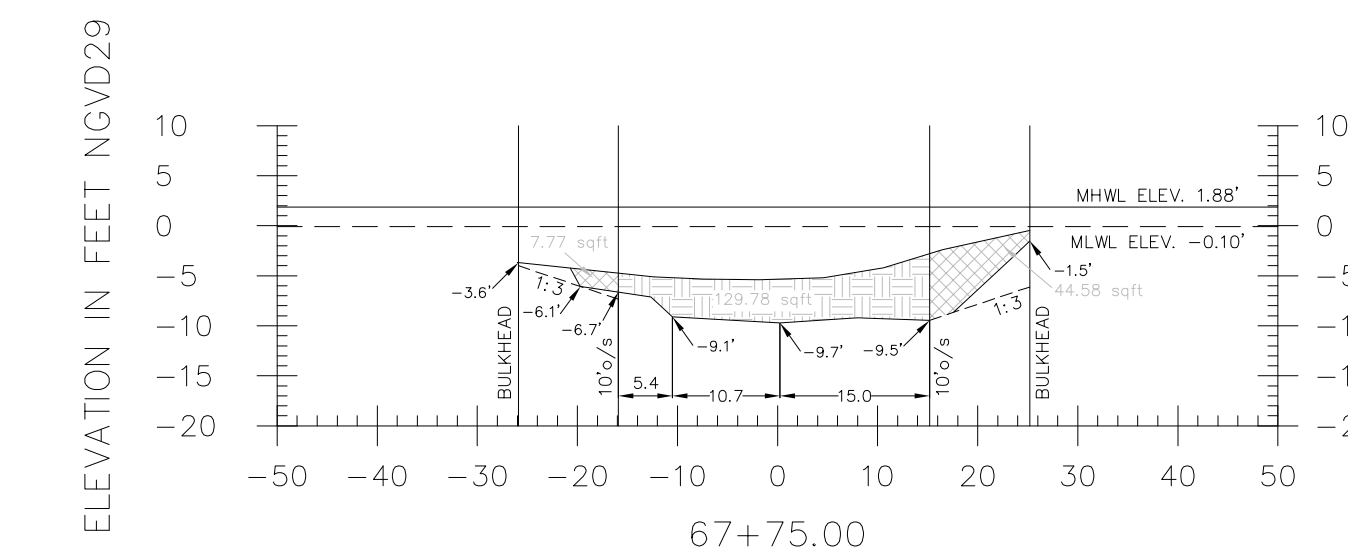
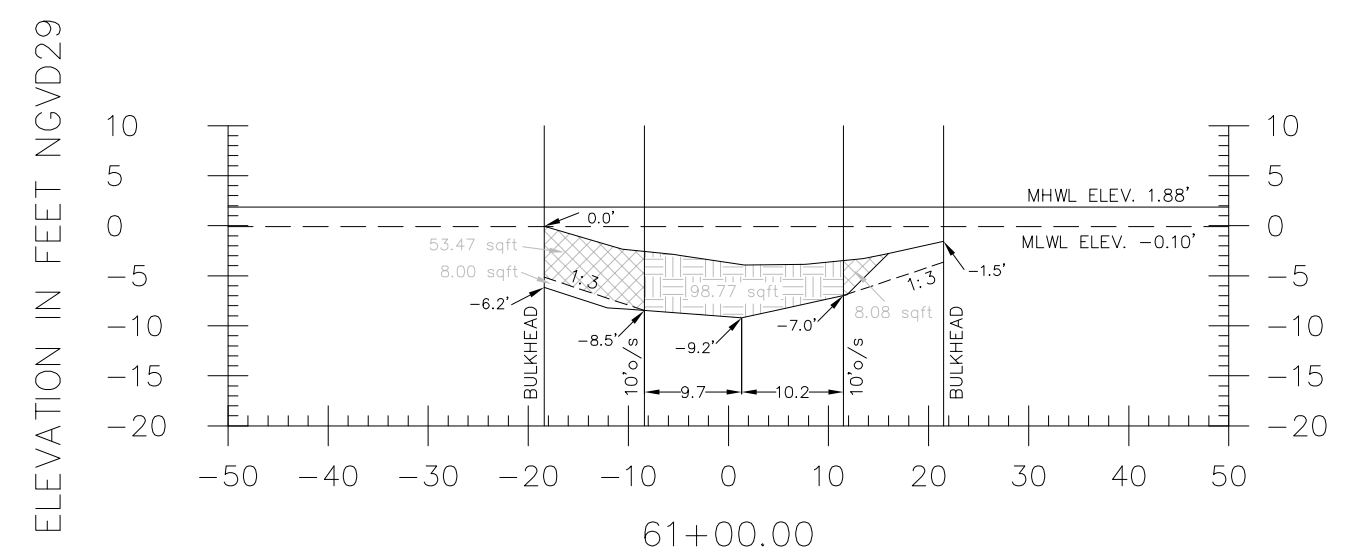
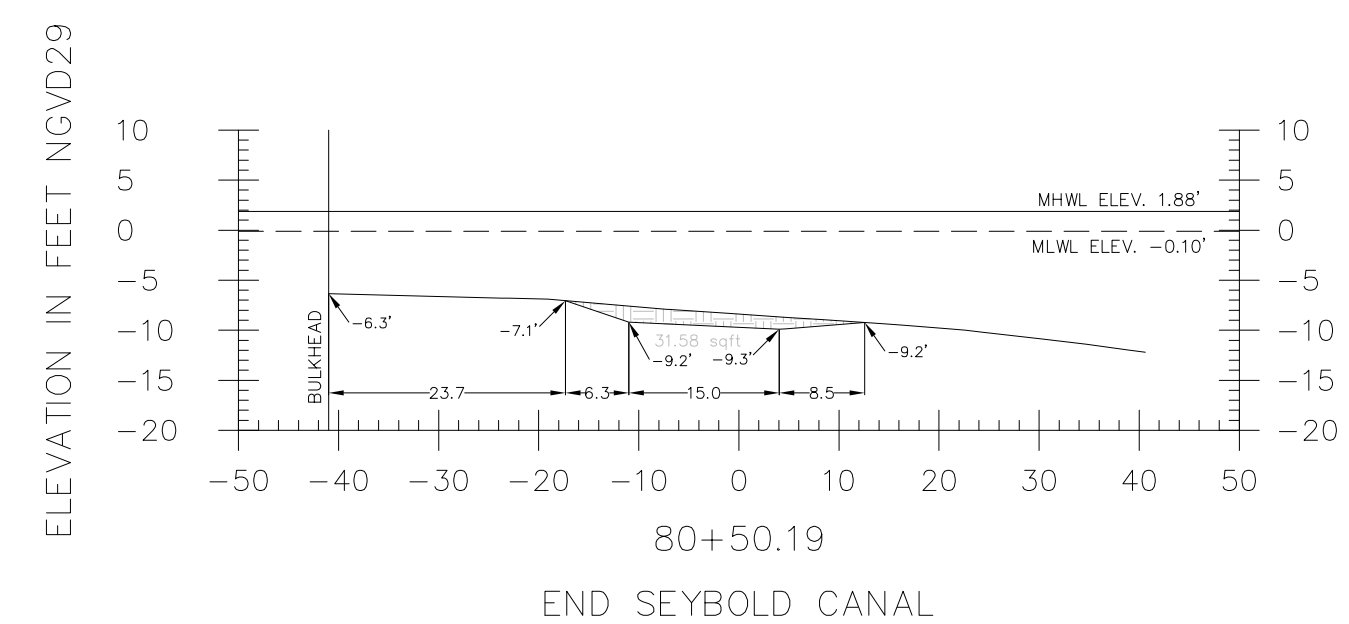
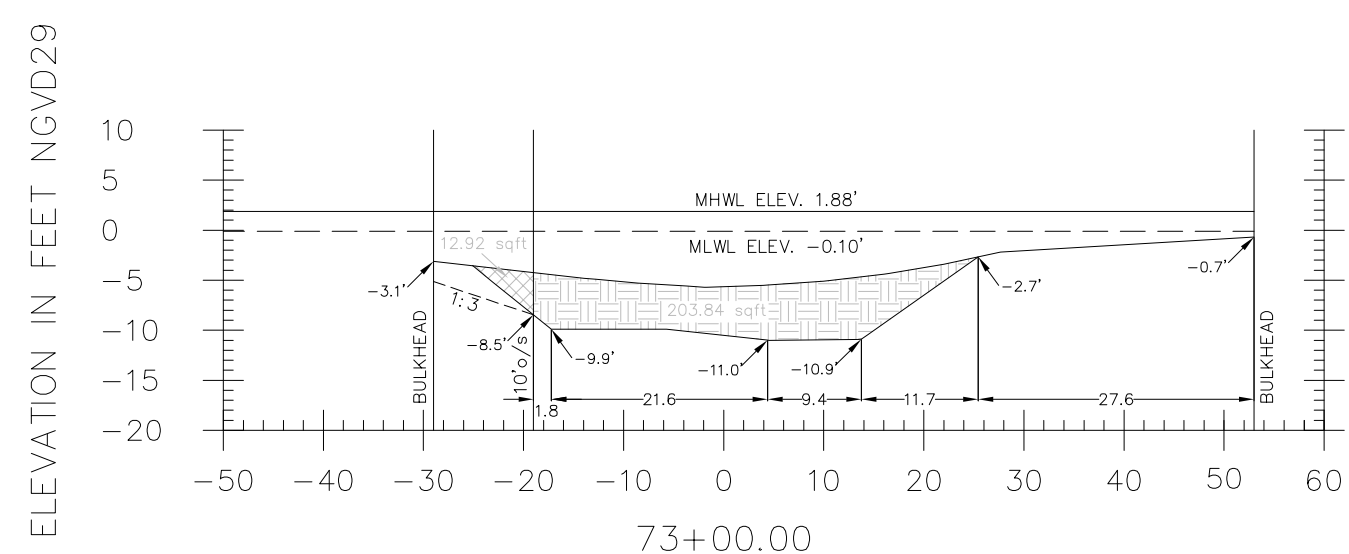
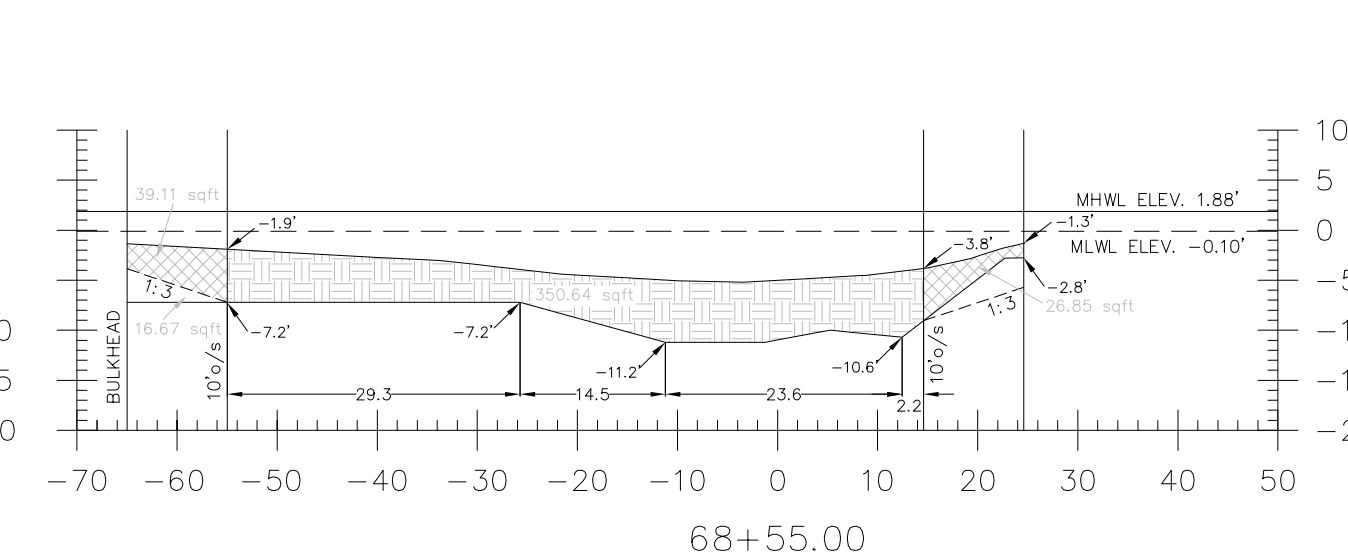
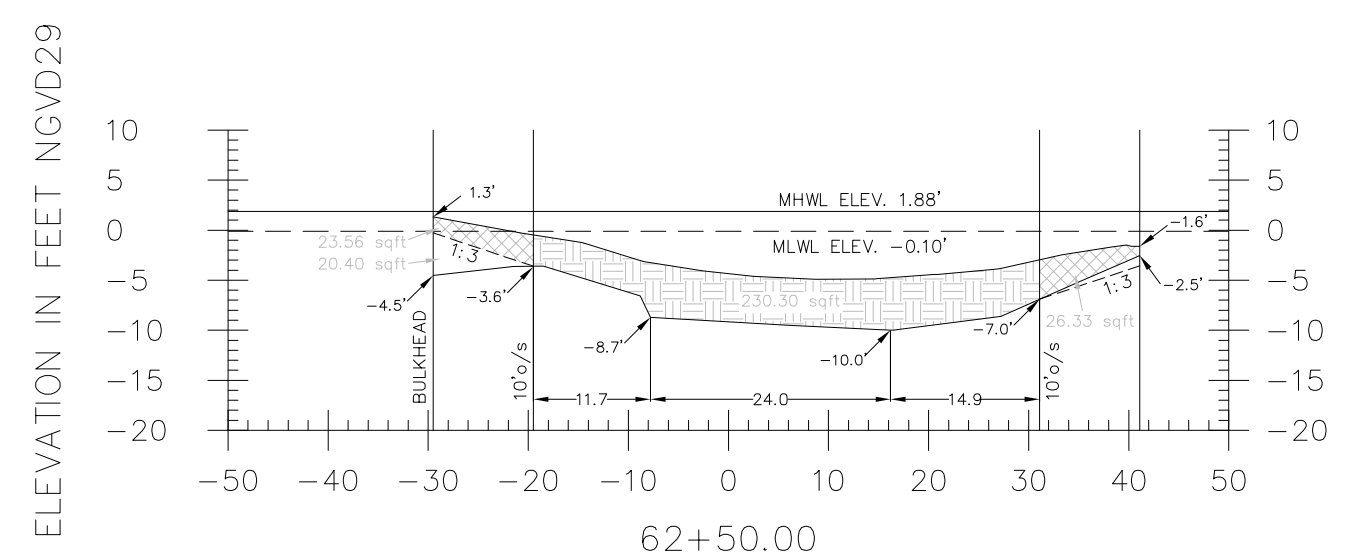
- = SEDIMENT TO BE REMOVED
- = SLOUGHING VOLUME
- = NATURAL SOIL/NON SEDIMENT
- = NATURAL SOIL/SEDIMENT INTERFACE
- = TOP OF SEDIMENT
- = 1.88' MEAN HIGH WATER LINE
- = -0.10' MEAN LOW WATER LINE
- = NGVD29
- = 1:3 SLOPE SLOUGHING LINE



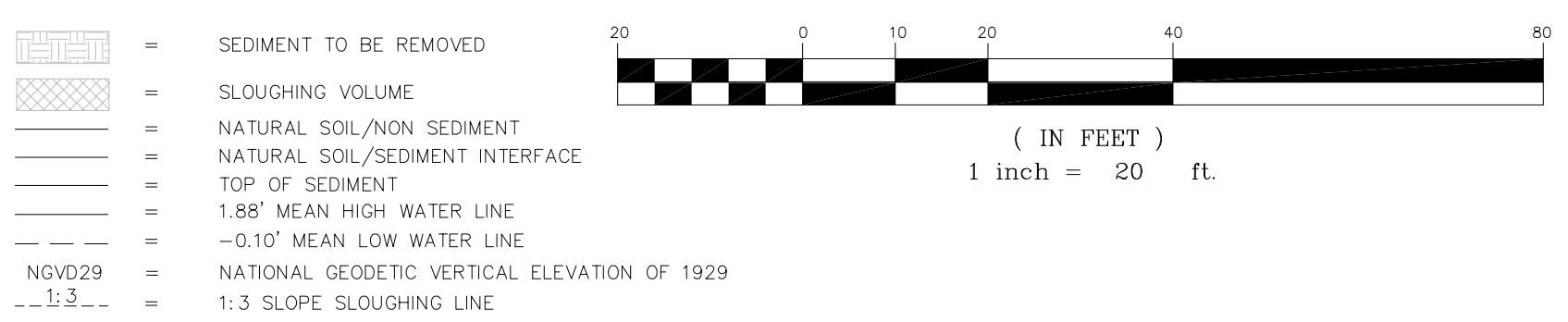
NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.

OPERATIONAL SECTION 5

| | | | | | | | | | | | | |
|---------------------|---|---|------------------------------|---------------------------|--------------------------|--|--|--|--|---------------------|--|-------------------------|
| CH2MHILL | ARC SURVEYING & MAPPING, INC. 5202 San Juan Ave. Jacksonville, Florida 32210 Tel. (904)384-8377 Fax (904)384-8388 www.arcsurveyors.com Licensed Business # 6467 | DADE COUNTY, FLORIDA WAGNER CREEK & SEYBOLD CANAL MIAMI, FLORIDA | File name: 071007XSEC.DWG | Party Chief: P. SAWYER | Dwn by: JKM | Drawing Date: 08-29-08 | | | | | | PROJECT NO. 07-10-07 |
| | | Reference files: | Field Bk/Pg 08-08/08-09 | Ckd by: JES | Survey Date: 08-27-08 | Survey Performed for: CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | | FILE NO. C-08-29 | | |
| | | | | | | | | | | | | SHEET 14 of 16 |



LEGEND GRAPHIC SCALE



NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.



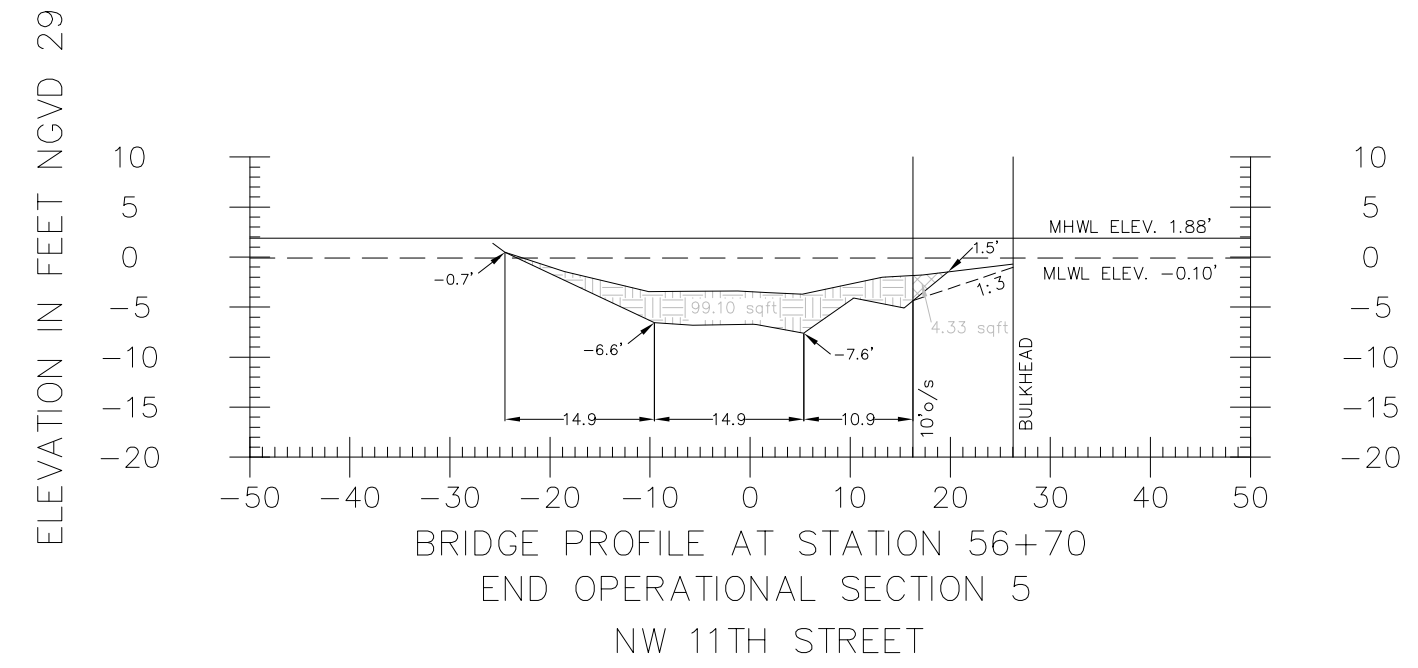
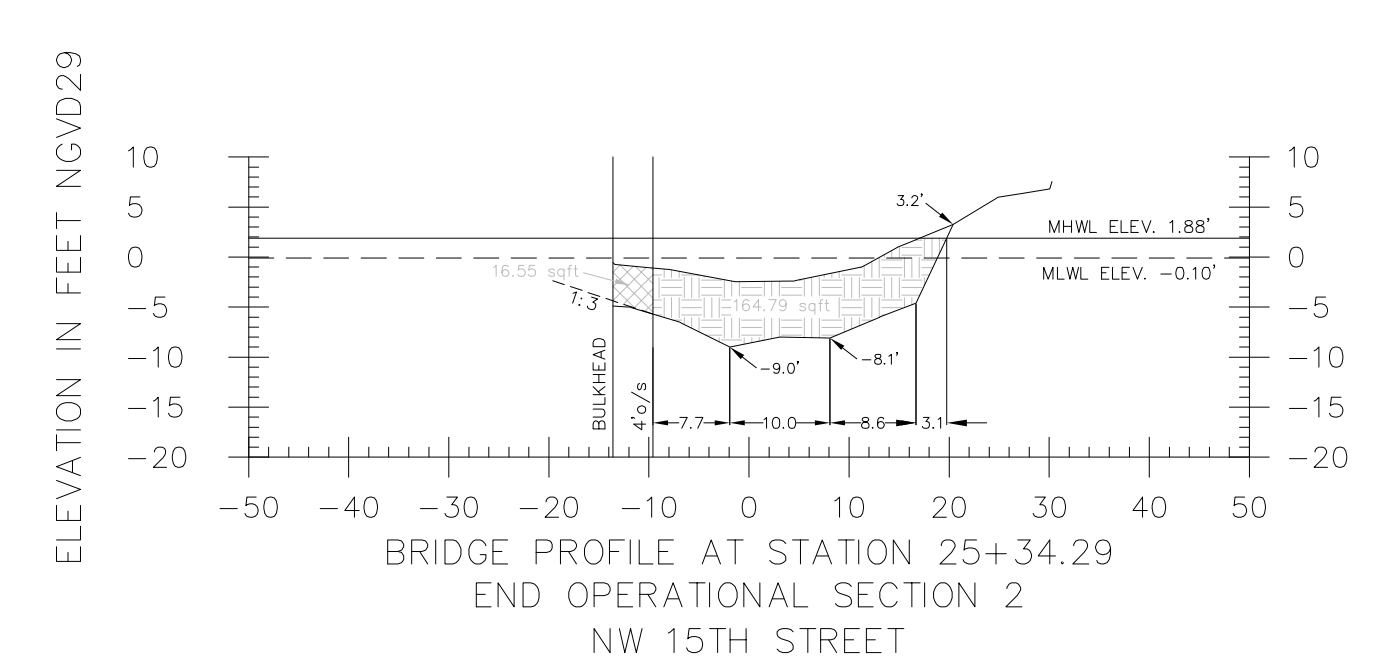
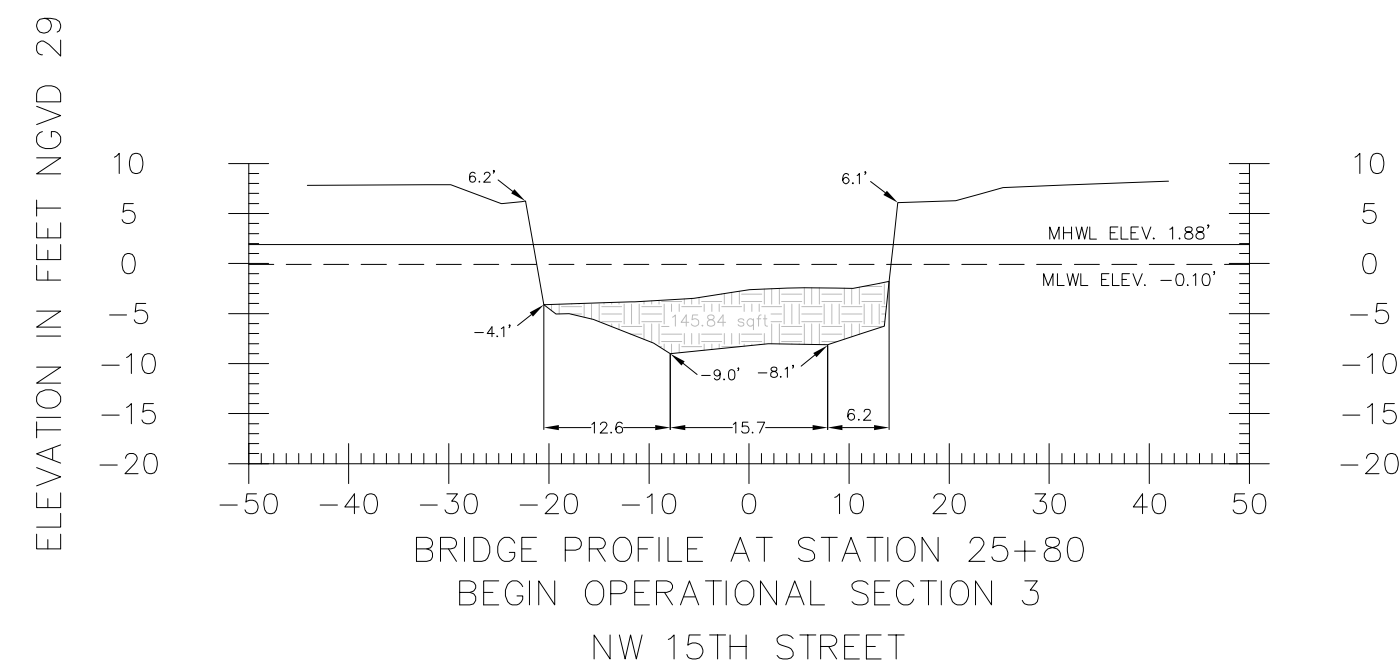
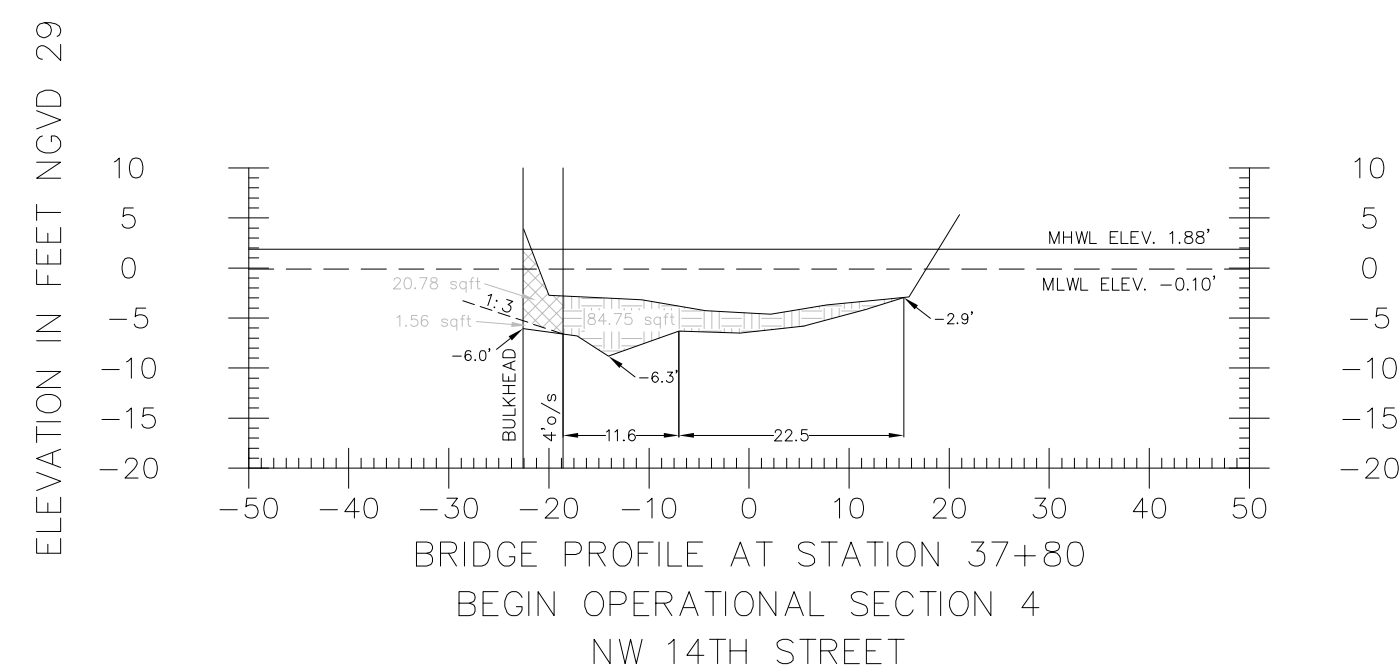
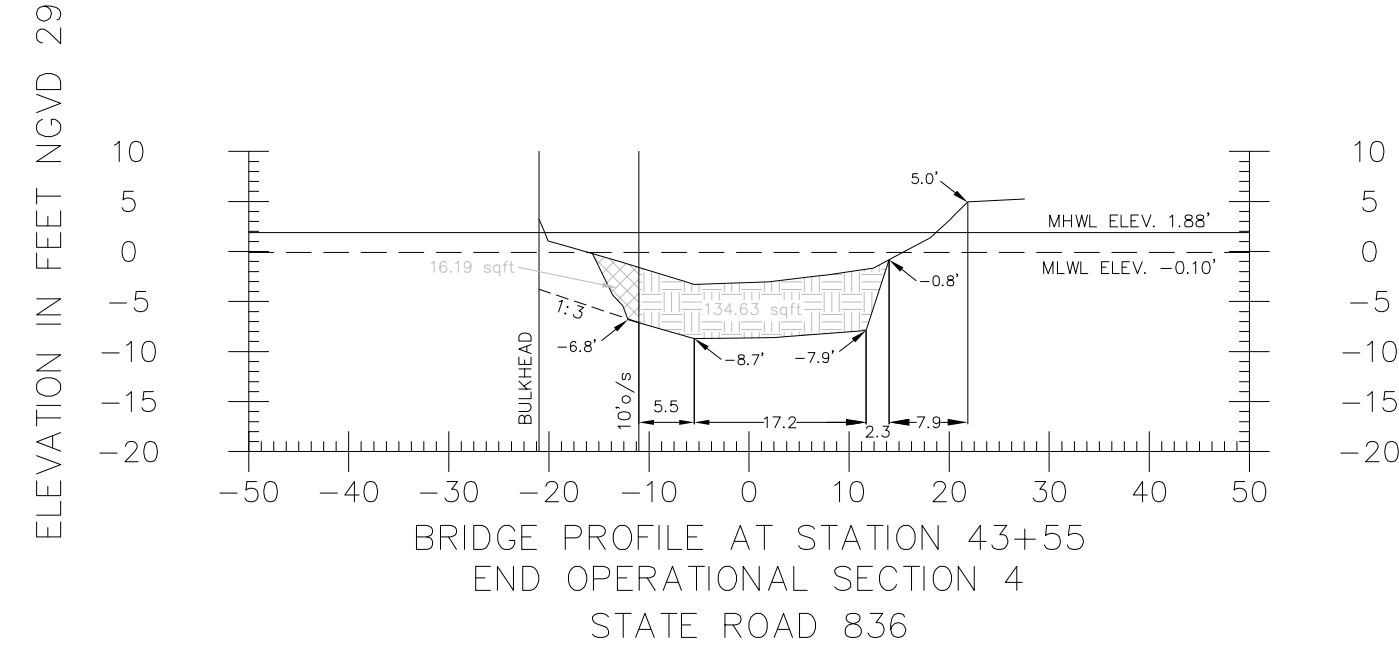
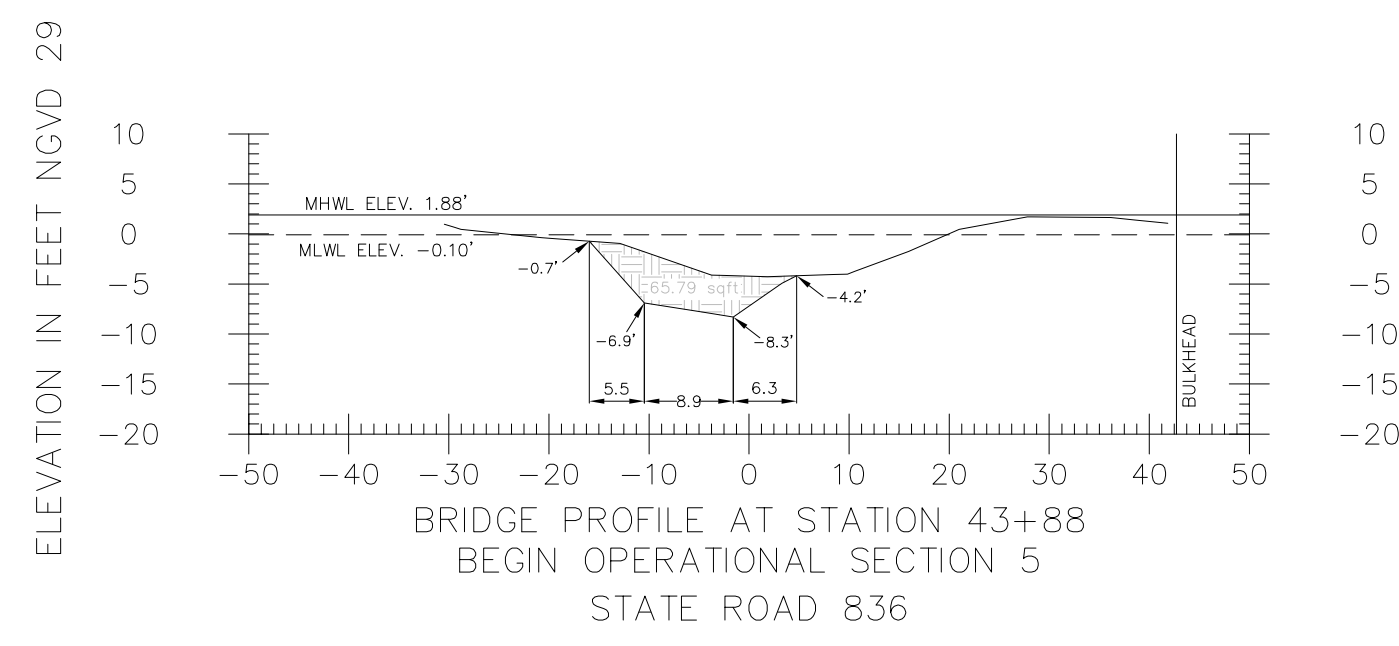
DADE COUNTY, FLORIDA
WAGNER CREEK & SEYBOLD CANAL
MIAMI, FLORIDA

File name: 071007XSEC.DWG
Party Chief: P. SAWYER
Dwn by: JKM
Drawing Date: 08-29-08
Reference files: Field Bk/Pg 08-08/08-09
Ckd by: JES
Survey Date: 08-27-08
Survey Performed for: CH2MHILL CONSTRUCTORS, INC.
201 ALHAMBRA CIRCLE, SUITE 600
CORAL GABLES, FL 33134

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| No. | Approved | Date | Description |
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OPERATIONAL SECTION 6

PROJECT NO.
07-10-07
FILE NO.
C-08-29
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LEGEND

- = SEDIMENT TO BE REMOVED
- = SLOUGHING VOLUME
- = NATURAL SOIL/NON SEDIMENT
- = NATURAL SOIL/SEDIMENT INTERFACE
- = TOP OF SEDIMENT
- = 1.88' MEAN HIGH WATER LINE
- = -0.10' MEAN LOW WATER LINE
- = NGVD29
- = 1:3 SLOPE SLOUGHING LINE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NOTE: THE PROPOSED DREDGE CUT LINES AND GRADES SHOWN ON THESE CROSS-SECTIONS ARE TO BE FIELD VERIFIED IN ORDER TO REMOVE THE MAXIMUM EXTENT OF SEDIMENT POSSIBLE WITHOUT COMPROMISING STRUCTURES LOCATED ADJACENT TO OR WITHIN THE DESIGNATED WORK AREA.



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DADE COUNTY, FLORIDA

WAGNER CREEK & SEYBOLD CANAL
MIAMI, FLORIDA

| | | | |
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| CH2MHILL CONSTRUCTORS, INC. 201 ALHAMBRA CIRCLE, SUITE 600 CORAL GABLES, FL 33134 | | | |
| No. | Approved | Date | Description |

BRIDGE PROFILES

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|----------------|----------|
| PROJECT NO. | 07-10-07 |
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