

Date: July 29, 2022

RE: SW1901/ EN1904 –CANAL SYSTEM DREDGING & DRY DETENTION POND Request for information

Thank you for your interest in the Village's project. Highlighted responses to requests for information are listed below. Please note the list is a compilation of questions submitted from multiple Contractors and Suppliers.

Previous RFI responses and addenda can be viewed at: <http://www.royalpalmbeach.com/rfps>

Sincerely,

Adamo DiSisto, P.E.
Village Engineer
Office: (561) 790-5163
Village of Royal Palm Beach
Engineering Department
1050 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411
adisisto@royalpalmbeach.com

Please note: The responses below will be based on the updated plans and bid documents released in Addendum 3 on 7/28/2022.

From: Paul Reinhardt <paul.reinhardt@er-dredging.com>
Sent: Wednesday, July 27, 2022 3:23 PM
To: Adamo DiSisto <adisisto@RoyalPalmBeach.com>
Cc: Michael Reinhardt <michael.reinhardt@er-dredging.com>
Subject: Questions Canal System Dredging SW1901/EN1904

1. The plans show that 1050 feet was previously dredged in a test project. What type of dredge was used and how long did it take for them to complete the test project dredging?

Hydraulic dredging was used. The NTP was 4/6/2016 and Substantial Completion was 8/4/2016, which included administrative work and the drying period, both of which have been given time frames in the Addendum 3 Bid Proposal Form.

2. There are two ways to control the height of the cutterhead on the dredge. One is to program the entire project with the Trimble GPS System. This predetermines exactly how high the dredge cutterhead will be at any given point. If we are to use GPS the design engineer must have determined exactly the design elevation at all points. The second is to have the operator skim the sand bottom by feeling the hardness of the material. In this process there will be some small amount of sand removed. It is not an exact process and there will be some soft material left.

The intent is to clean the canal system of organic materials, not to regrade the canal. The contractor shall leave as much sand in place as possible. An over-dredge tolerance of 6" is acceptable, but will be monitored via the Pre and Post surveys added via Addendum 3.

3. What method do you want us to use on this project and what is the tolerance for remaining soft material?

The intent of this project is to remove as much muck as possible while removing as little sand as possible, to a standard tolerance of 6".

From: Abbey Fiallo <af@mesinc.us>
Sent: Tuesday, July 26, 2022 2:00 PM
To: Vickie Day <vday@RoyalPalmBeach.com>
Subject: RE: Canal System Dredging & Dry Detention Pond

1. On plan sheet 2 of 12 under temporary facilities B. It calls for a temporary water supply and electrical connection. It is also referenced on sheet C-1 including a field office. I don't see a need for this contract. Are a field office with water and electrical services required?

You are correct. None of the three requirements mentioned (temporary water, temporary electrical, and field office) are not required for this project. References to these requirements will be removed in the next addendum.

From: Abbey Fiallo <af@mesinc.us>
Sent: Thursday, July 21, 2022 4:05 PM
To: Robin Cronk <RCronk@RoyalPalmBeach.com>
Subject: Canal System Dredging & Dry Detention Pond

1. When is the expected NTP date?

NTP is expected to occur a maximum of 90 days after Bid Opening or 30 days after the contract has been fully executed, whichever comes first.

PLEASE NOTE: This project is partially funded by a grant, which has a reimbursement cut-off date of 12/30/2023. The Village will expedite the administrative requirements as much as possible to get the project started as soon as possible. This project does *not* require Davis-Bacon Wage reporting. Pertinent grant documents/requirements will be added in the next addendum.

2. As per the pre bid the contractor does not have to pull a permit except for the NPDES. Is this correct?

The required permits are:

- a. Village of Royal Palm Beach Engineering Permit (fees waived)
 - b. NPDES
3. In reference to the \$5,000,000 per occurrence watercraft insurance policy; if a subcontractor is performing all of the work from the canal and they carry this coverage, can the prime contractor be exempt from carrying the same policy? In addition, the subcontractor would be adding the prime contractor and the owner as additional insured.

No. Please see the excerpt below from Section 5.04 of the General Conditions on page 62 of the Bid Documents.

5.04 CONTRACTOR's Liability Insurance

A. **CONTRACTOR shall purchase and maintain such liability and other insurance** as is appropriate for the Work being performed and as will provide protection from claims set forth below which may arise out of or result from CONTRACTOR's performance of the Work and CONTRACTOR's other obligations under the Contract Documents, **whether it is to be performed by CONTRACTOR, any Subcontractor or Supplier,** or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:...

4. It was discussed in the pre bid that there will be an allowance line item for testing the muck excavated material in the retention pond. Correct?

Correct. A line item for arsenic testing has been added via Addendum 3.

5. Please clarify the time allowed for the M.O.T. open road closure construction.

Per Section 01010 – Summary of Work, no lane closures shall be permitted outside the hours of 9:30am to 3:30pm.

6. What is the hourly rate for an inspector if needed from 6:00 p.m. to 7:00 a.m. if needed?

Overtime rate is \$172.50/hour.

7. There will be a line item for a pre bid survey correct?

Correct. Pre and Post-Construction surveys have been added as line items via Addendum 3.

8. It was discussed that the dredged material is to stay on site for 90 days after the discharge is completed before it can be hauled off correct? May the contractor along with the owner's representative perform a final as-built topographic survey one week after the discharge is completed so that this line item can be invoiced? Winds will removed some of the top layer of material in 3 months as well.

The dredged materials pile is expected to shrink throughout the drying process due to the removal of water. A survey performed before water has had the chance to settle out will be skewed upwards. A footnote has been added to the Bid Proposal Form via Addendum 3 describing the process for quantifying the amount of removed material, in which the dredged materials pile will surveyed after 90 days and compared to a pre-construction survey of the ground. However, we will perform a rough field estimate one week after discharge has been completed in order to make a progress payment.

9. There will be 3 turbidity curtains required to perform this dredging work in 500 or 1000 foot sections correct?

Correct. This is explained in the expanded Phasing Notes on plan sheet 4, as revised by Addendum 3.

10. When will the last day for questions be now that the bid date is being extended?

The last day for questions will always be five calendar days before the Bid Opening date. As of 7/29/2022 and Addendum 3, this date is Friday, August 5th, 2022.

11. According to the pre bid all docks are to remain in place without requiring any demo and removal correct?

Correct. The scope of work does not include interaction of any kind with existing docks.

12. Please specify the gauge for the 36" RCP.

The gauge of concrete pipe shall be assumed to be FDOT standard (3.5" for 30" RCP and 4" for 36" RCP). If this is found to not be the case in the field, a change order will address any discrepancy in cost.

13. If the contractor has a need to cut and cap an irrigation line because the homeowner did not remove them the contractor is not responsible to reconnect and or repair any pumps or irrigation lines. Correct?

Correct. The contractor is only required to cut and cap irrigation lines in conflict with dredging, and then place the cut materials on the bank. The responsibility of resetting the irrigation system will belong to the resident. This will be described in the door hangers.

14. Please clarify where you are requiring the contractor to install a silt fence.

Silt fence shall be installed around the Staging Area and proposed ponds. Clarification has been added to plan sheet 3 via Addendum 3.

15. What agency will approve the M.O.T. for the mobilization, demobilization and road closure as needed?

The Village of Royal Palm Beach will approve the M.O.T., using FDOT specifications.

From: Lee Corrigan <LCorrigan@conegraham.com>

Sent: Thursday, July 14, 2022 3:50 PM

To: Vickie Day <vday@RoyalPalmBeach.com>

Subject: CANAL SYSTEM DREDGING & DRY DETENTION POND SW1901/ EN1904

1. I looking for clarification regarding the invitation to bid section 4.1.12. The contractor is required to bid the number of days necessary to complete the work. The owner may award the contract to the contractor with the lowest adjusted bid. The lowest adjusted bid will be determined by multiplying the value of the liquidated damages by the difference in the number of days the contractor bid compared to the average of all the days bid then subtracting or adding that value to the bid value depending if the contractor bid more than the average or less than the average number of days necessary to complete the work.

Is the number of days listed by the contractor on the bid form supposed to be final completion days or substantial completion days?

Substantial

From: David Juelle <djuelle@chcivil.com>
Sent: Thursday, July 14, 2022 12:49 PM
To: Adamo DiSisto <adisisto@RoyalPalmBeach.com>
Cc: Mark Zanardi <mzanardi@chcivil.com>; Daniella Juelle <drjuelle@chcivil.com>
Subject: RFI Canal System Dredging & Dry Detention Pond SW1901/EN1904

Good afternoon can you please respond to the following questions regarding this project.

1. Is the dredged sediment contaminated? Can you provide any testing data if available.

The previous soil testing report has been added to the Bid Documents via Addendum 3. Commercial disposal only. Testing requirements have been added as a line item via Addendum 3. An Add/Alt for disposing of material that goes beyond contamination thresholds and must be brought to an approved landfill has been added via Addendum 3.

2. Plan sheet 2 of 12, section IX. Earthwork mentions the contractor is responsible to perform additional investigations to determine the limits and depth of the organic material to be dredged. In order to determine the amount and limits of dredging, the contractor will need to perform a pre and post hydrographic survey. This is performed post award not as a pre bid activity. We recommend the village add a line item for pre and post hydrographic survey to determine the volume of dredging required. In addition, you should consider changing the dredging item to cubic yard measure instead of Square Yard measure. Once the pre survey is performed a volume calculation will be provided to the city and used as the new pay volume per cubic yard.

Line items for Pre and Post-Construction surveys have been added via Addendum 3. The quantity of removed, dried material will be estimated at 1 foot per square yard of the target area. The quantity will be verified after a 90-day drying period by a survey comparing the pre-construction ground (provided by Village) to a survey of the dried mound (provided by the contractor).

3. Plan sheet 5,6,7,8 Note mentions survey was performed on 2014. This information is. outdated and may not be accurate in determining the dredge volume. Recommendation same as above.

Pre-Construction surveys have been added as a line item via Addendum 3.

4. Please provide a dredge tolerance. The standard for this type of work is 6"

The intent is to clean the canal system of organic materials, not to regrade the canal. The contractor shall leave as much sand in place as possible. An over-dredge tolerance of 6" is acceptable, but will be monitored via the Pre and Post surveys added via Addendum 3.

5. Provide a copy of any permits related to the dredging activities, state, local and federal.

An NPDES permit will be required, and will be obtained by the contractor. The SFWMD permit allows for dredging as a maintenance activity that does not require a permit. The section of the SFWMD handbook that describes this has been added to the Bid Documents via Addendum 3.

6. Plan sheet 4 of 12, Note Existing trash, debris, and vegetation. Can you please provide a line item per cubic yard for trash, debris, vegetation and clearing of tree limbs? It is impossible for the contractor to guess the amount that will be found between the two banks below Elv.13.00.

The intent of this requirement is to remove any materials that come into conflict with the dredging operation. This is an incidental item, rather than being a full-scope maintenance item. The contractor is encouraged to visit the site, and may/must coordinate with the Village to gain boat access to the water.

7. Plan sheet 4 of 12, Phasing note closing the canal in 500' increments is nearly impossible due to commuting of barges and equipment. We recommend closing the canal section being dredged near the closest staging area to allow for passage of the barge, boats and equipment. Once an area has been dredged and accepted a turbidity curtain can be placed to prevent re-silting of the area.

The Phasing Notes on plan sheet 4 have been revised by Addendum 3. The 500' increment is still in place, but there is now a focus on not having a section closed for more than 14 days. Additionally, if the contractor shows a production rate that exceeds 500' in 14 days, the contractor may request in writing to increase the increment to the average 14 day production length.

8. To minimize impacts or damage to existing structures, Can you provide dredging setbacks from, structures, bridge foundations, docks, banks etc....

The project assumes dredging will occur 10' inward from both banks, due to depth requirements for dredging equipment. Docks do not encroach past the given 10'. Bridge foundations are a special case, in which we want to dredge sand as close as possible.

9. Can you please provide the post/asbuilt survey for the test area dredging performed from Sta 151+00-141+00?

The as-built survey from the pilot project is attached to this RFI response, dated 7/29/2022.

From: Paul Reinhardt <paul.reinhardt@er-dredging.com>
Sent: Thursday, July 21, 2022 12:13 PM
To: Adamo DiSisto <adisisto@RoyalPalmBeach.com>
Cc: Michael Reinhardt <michael.reinhardt@er-dredging.com>
Subject: Canal System Dredging SW1901 / EN1904

1. If I propose to perform this project by mechanical means can I dredge the easily handled sand below the muck and then let the muck fall down into the hole to achieve design grade?

The intent of this project is neither to increase canal depth nor is it to achieve design grades, but rather is specifically proposed to remove the muck while disturbing the existing bottom as little as possible. The method proposed in the question is not applicable to this project.

2. I would like to perform this using a hydraulic dredge and geo-textile tubes in the drying areas. The geo-textile tubes will assure compliance with return water quality. The general spec for

hauling off and disposing of this material is that the material comply with the paint filter test for dryness. Can we use this standard instead of the 20% moisture? This is the standard used at all landfills for accepting trucked sediment. If we use the 20% moisture standard this project will take at least twice as long and cost twice as much.

The moisture content requirement has been replaced with a 90 day drying requirement, via Addendum 3.

From: miguel@landshore.com <miguel@landshore.com>

Sent: Thursday, July 21, 2022 11:26 AM

To: Vickie Day <vday@RoyalPalmBeach.com>

Subject: Canal System Dredging and Dry Detention Pond

1. What type of licenses are needed to bid on the project, in section 2.1 of the bid document it mentions the bidder and all subs to be by the Florida state contractor's board.

Either of the following licenses are required to bid this contract:

- a. General Contractor License
 - b. Utility and Excavation Contractor License
2. On page BP-18 item number 430-17-4130-1 - the 30" round RCP, please confirm length as the length mentioned in the plans differ.

The quantity for the above-mentioned item should be 253 LF on the Bid Form. This will be changed in the next addendum. Thank you for



SURVEY PLAT

LA MANCHA SUBDIVISION WATERWAYS, VILLAGE OF ROYAL PALM BEACH, FLORIDA



SHEET KEY
1"= 600'

NOTES:

THIS SURVEY PREPARED AS HYDROGRAPHIC SURVEY.

ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, FROM PALM BEACH COUNTY BENCHMARK AUD WITH PUBLISHED: ELEVATION OF 17.839 FEET, LATITUDE N26°42'21.8", LONGITUDE W80°13'43.9".

ELEVATION DATA WAS COLLECTED USING CARLSON GLOBAL POSITIONING SYSTEM WITH SEAFLOOR SYSTEMS HYDRAMITE SOUNDER, WITH GEOGRAPHIC POSITION RELATIVE TO FLORIDA DEPARTMENT OF TRANSPORTATION REFERENCE STATIONS, NORTH AMERICAN DATUM OF 1983/1990, PLANE COORDINATE, FLORIDA EAST ZONE.

ABOVEGROUND AND UNDERGROUND IMPROVEMENTS OTHER THAN AS SHOWN WERE NOT LOCATED.

THIS SURVEY WAS NOT INTENDED TO DELINEATE OR DEFINE ANY WETLANDS, ENVIRONMENTALLY SENSITIVE AREAS, WILDLIFE HABITATS, OR JURISDICTIONAL LINE OF ANY FEDERAL, STATE, REGIONAL OR LOCAL AGENCY, BOARD, COMMISSION OR OTHER ENTITY, EXCEPT AS SHOWN.

AERIAL PHOTO DOWNLOADED FROM LABINS.ORG WEBSITE, PHOTO DATE 2014.

EXCAVATED VOLUME AS OF LAST DATE OF FIELDWORK: 1081 CUBIC YARDS.

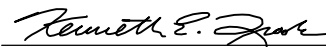
LAST DATE OF FIELD WORK: APRIL 29, 2016.

LEGEND:

- BENCHMARK
- ELEVATION CONTOUR ELEVATIONS
- SQUARE

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, THAT THIS PLAT OF THE HEREON DESCRIBED PROPERTY IS A TRUE REPRESENTATION OF A FIELD SURVEY MADE UNDER MY DIRECTION AND CONFORMS TO THE STANDARDS OF PRACTICE FOR PROFESSIONAL SURVEYORS AND MAPPERS AS OUTLINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.


KENNETH E. TRASK
PROFESSIONAL LAND SURVEYOR
FLORIDA LICENSE NO. LS4684
5-2-16
DATE

NOTICE:


THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

THIS CERTIFICATION IS ONLY FOR THE LANDS DESCRIBED HEREON. IT IS NOT A CERTIFICATION OF TITLE, ZONING, SETBACKS, OR FREEDOM OF ENCUMBRANCES.

****SEE SHEETS 13-18 FOR CANAL CROSS-SECTIONS****

1	4-29-16	ADD EXCAVATED AREA TO PLAN AND CROSS-SECTIONS	KT
NO.	DATE	REVISION DESCRIPTION	BY



Trask Surveying, P.A.

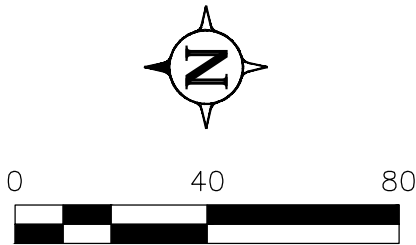
Land Surveyors

Florida Licensed Business No. LB8082
12345 Blasingim Road
Fort Myers, Florida 33966
(239) 980-1495

DATE	JOB#	DWG	SCALE	SHEET
4-29-2016	16-23	16-23SR	1"=40'	1 OF 18

SURVEY PLAT

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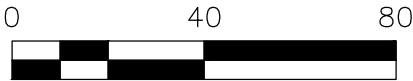
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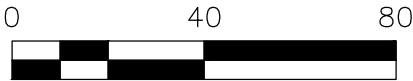
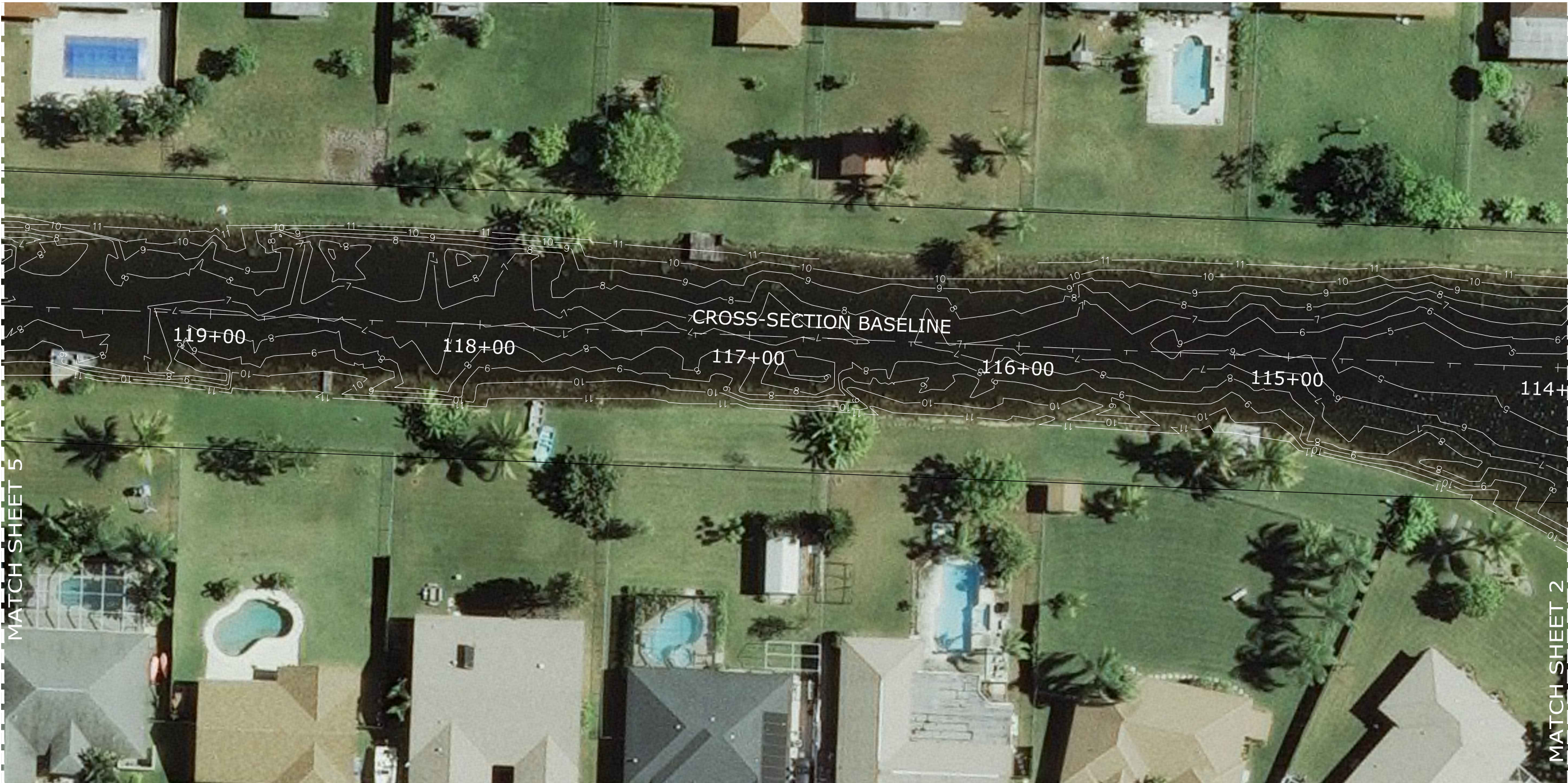
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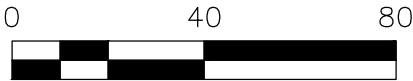
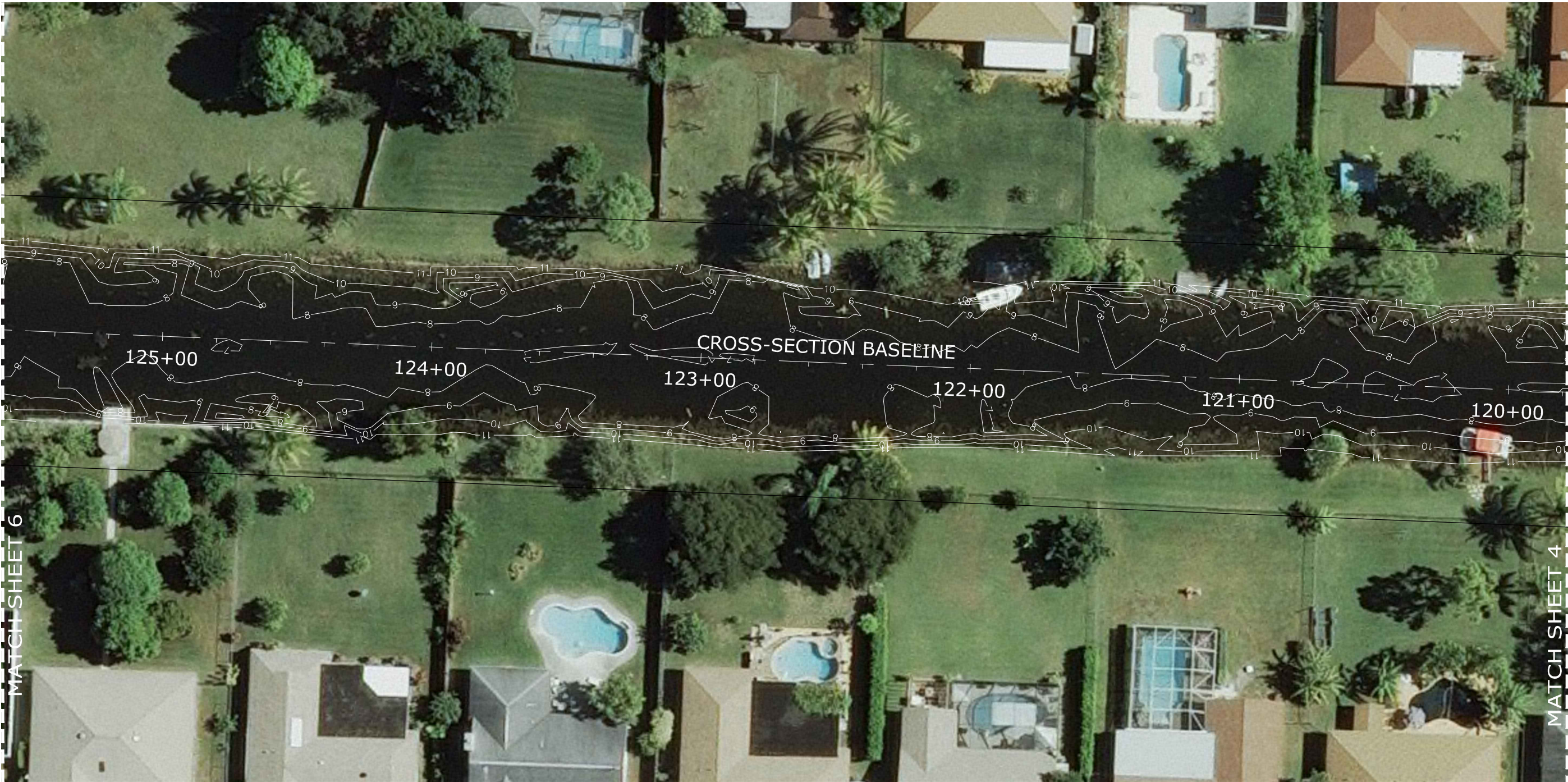
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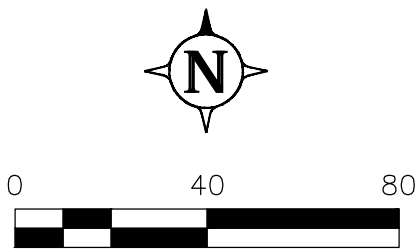
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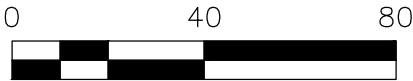
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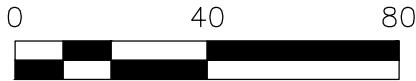
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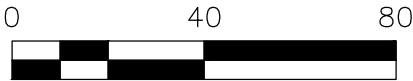
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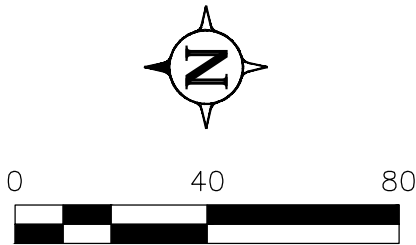
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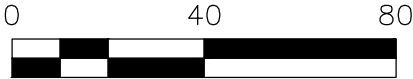
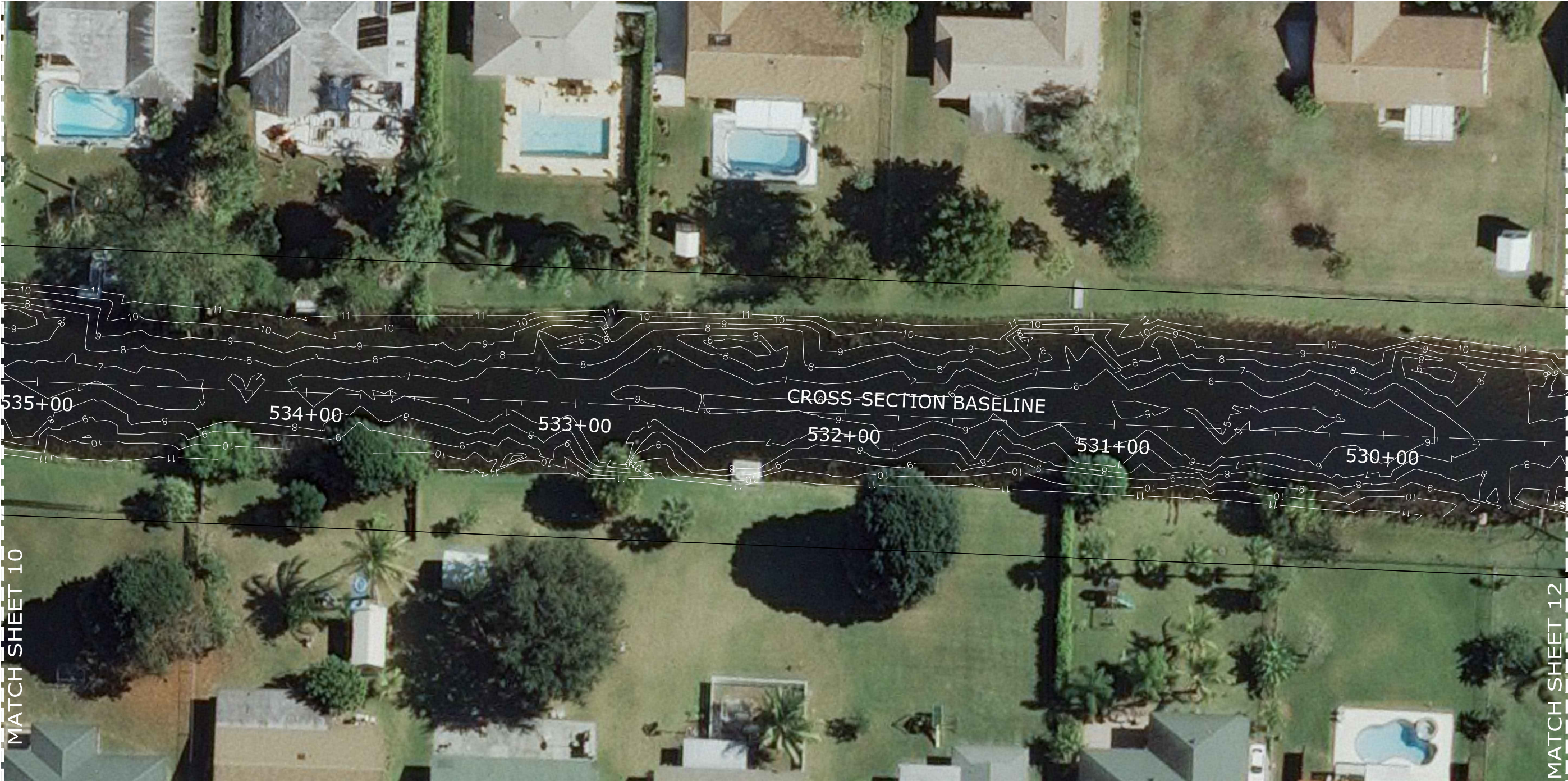
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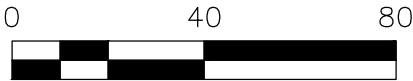
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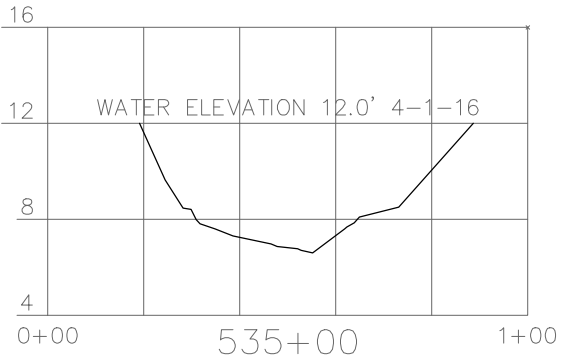
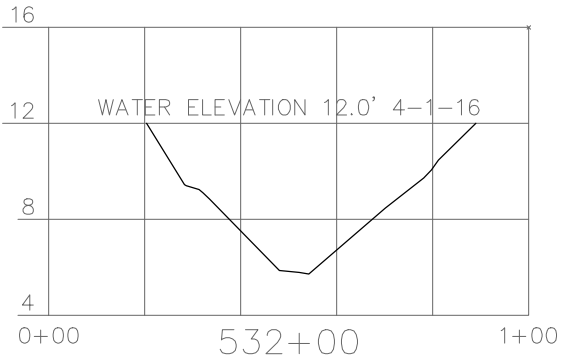
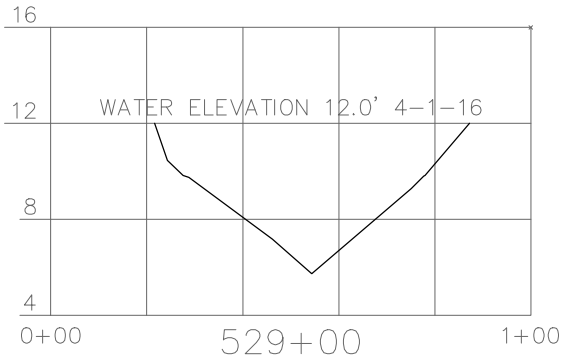
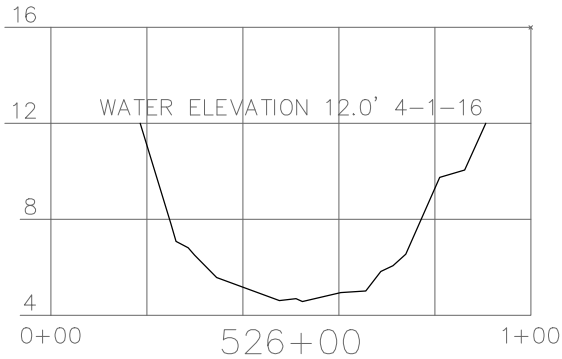
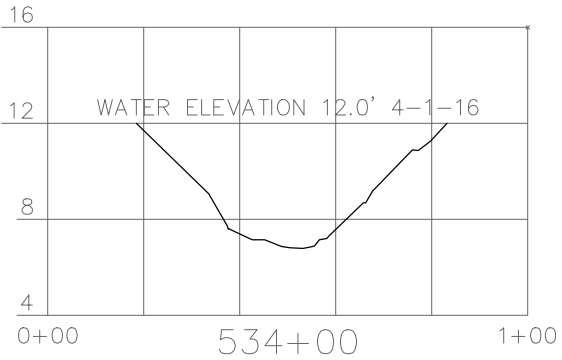
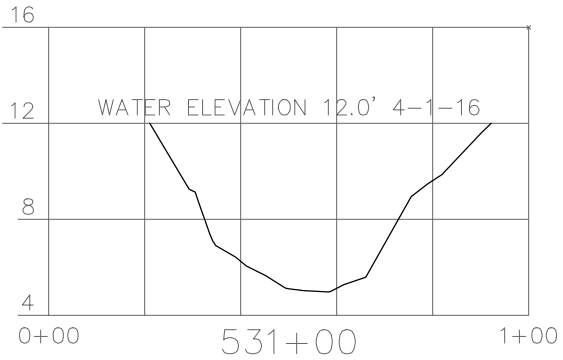
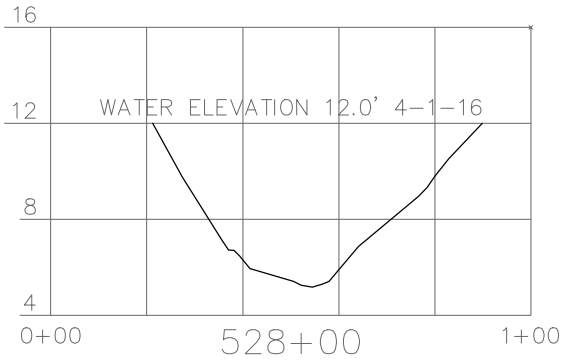
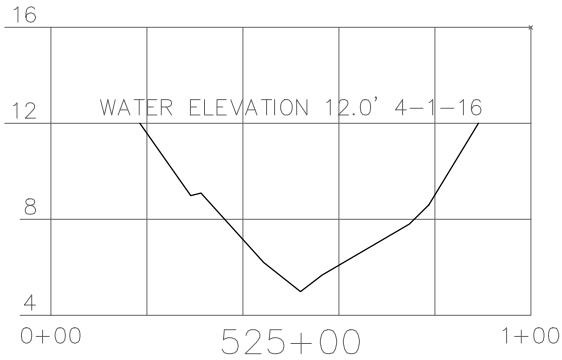
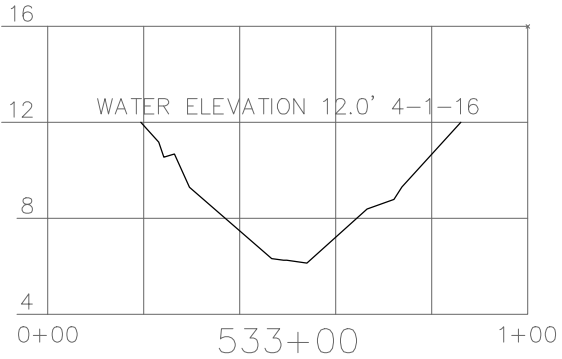
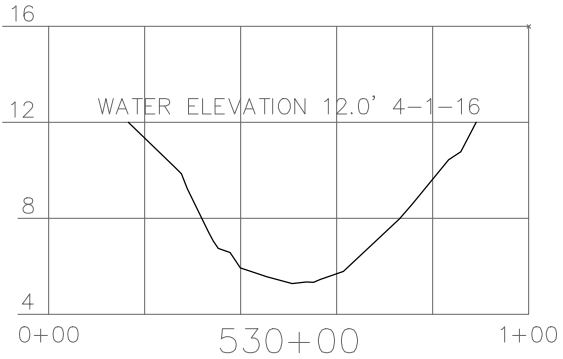
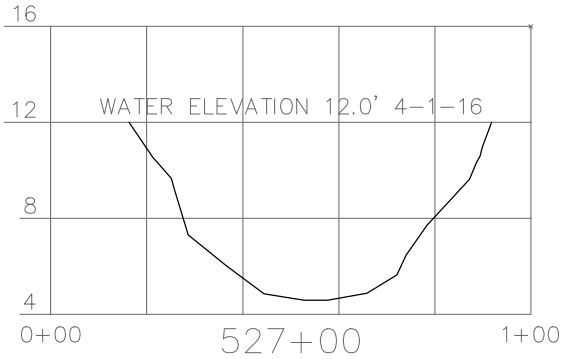
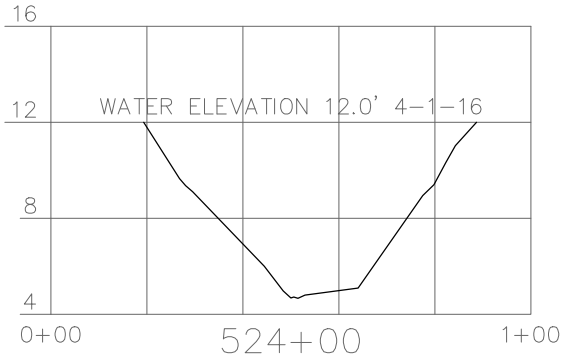
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12345 Blasingim Road
Fort Myers, Florida 33966
(239) 980-1495

DATE	JOB#	DWG	SCALE	SHEET
4-1-2016	16-23	16-23SR	1"=40'	12 OF 18

SURVEY PLAT

LA MANCHA SUBDIVISION WATERWAYS,
VILLAGE OF ROYAL PALM BEACH, FLORIDA



SCALE
1"=8' VERTICAL
1"=40' HORIZONTAL



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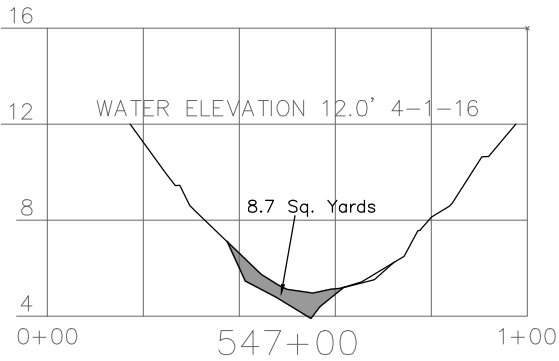
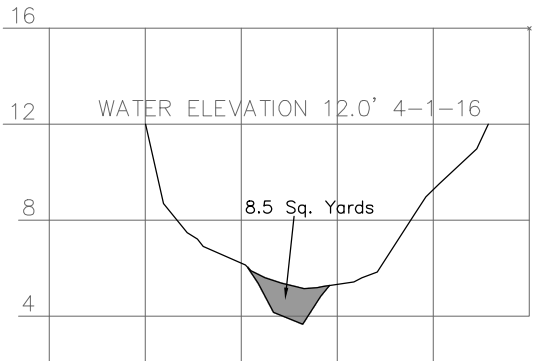
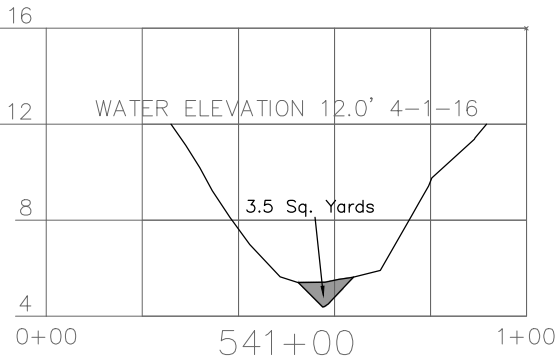
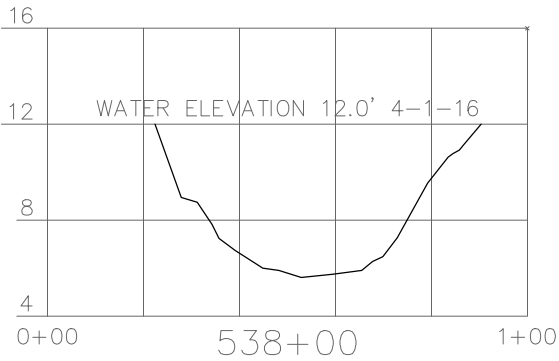
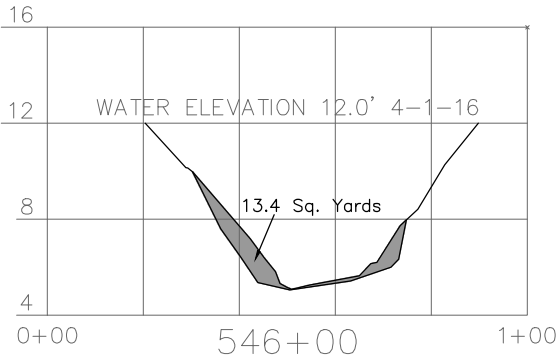
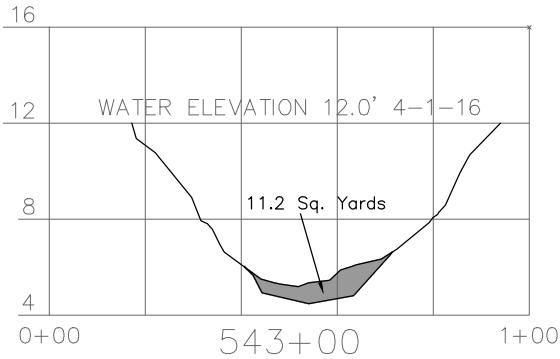
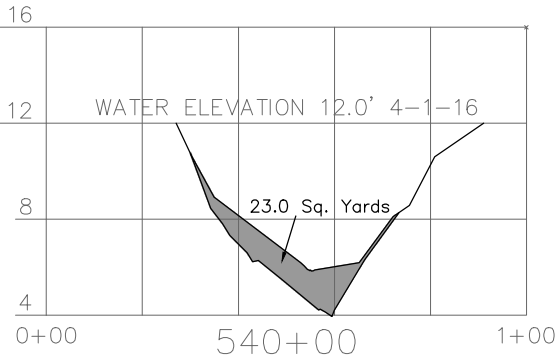
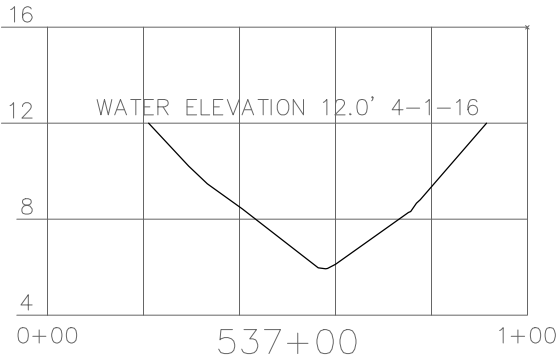
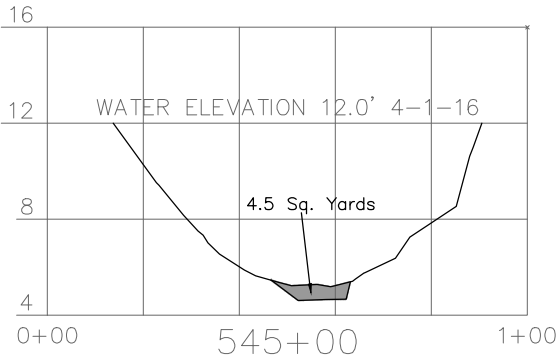
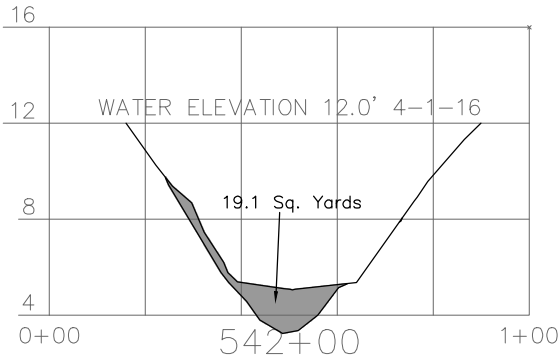
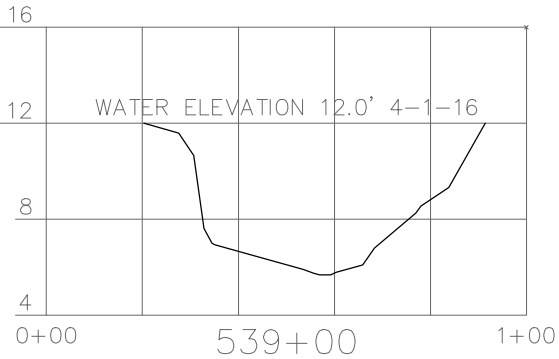
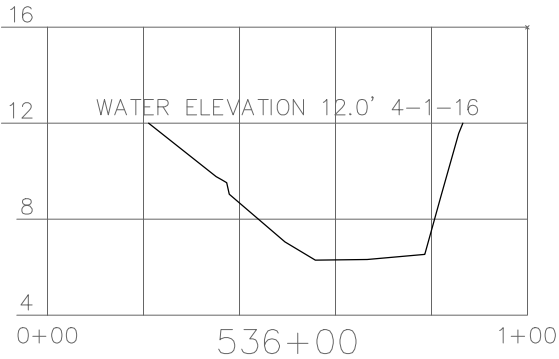
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SURVEY PLAT

LA MANCHA SUBDIVISION WATERWAYS,
VILLAGE OF ROYAL PALM BEACH, FLORIDA



SCALE
1"=8' VERTICAL
1"=40' HORIZONTAL



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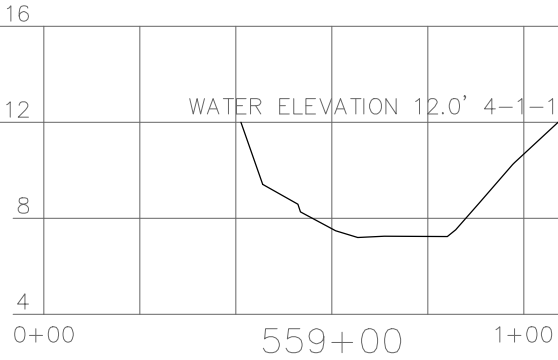
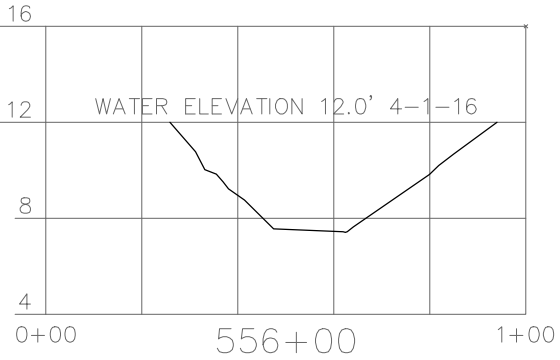
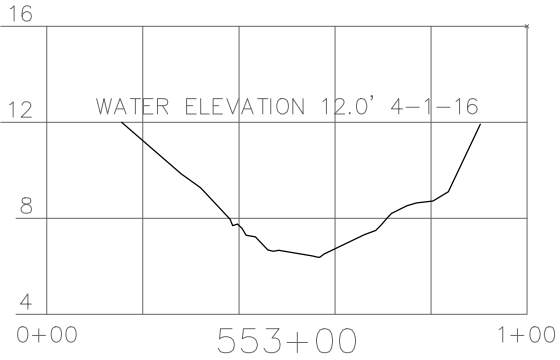
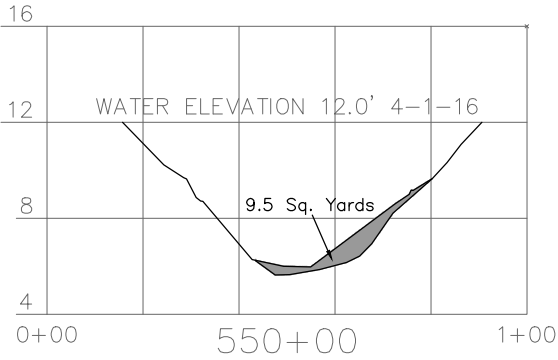
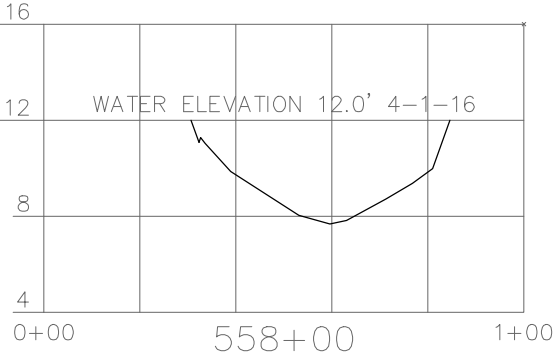
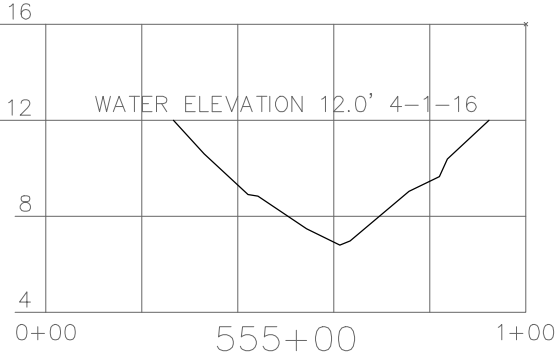
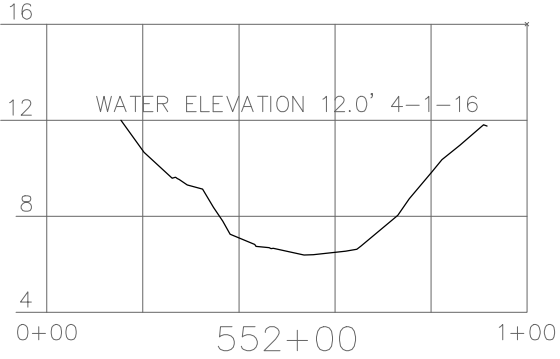
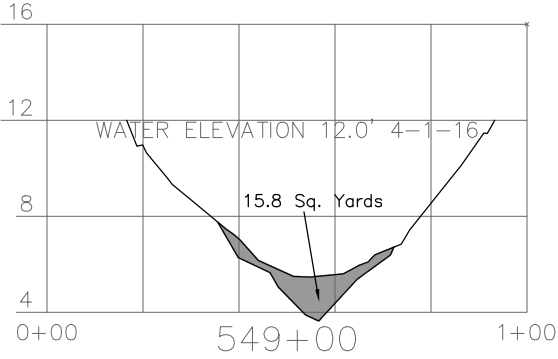
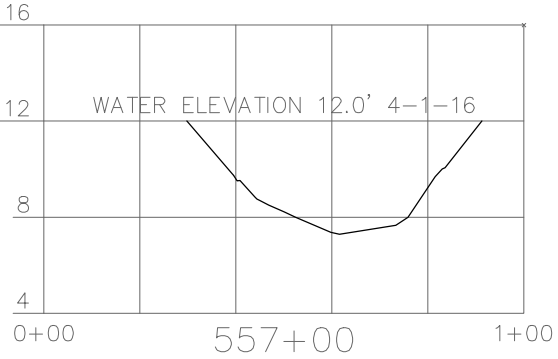
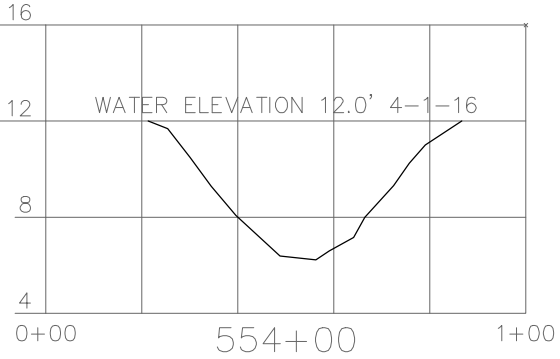
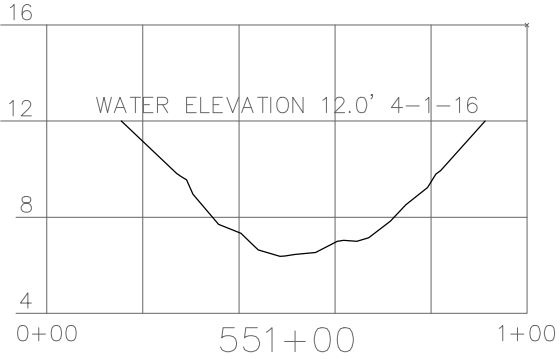
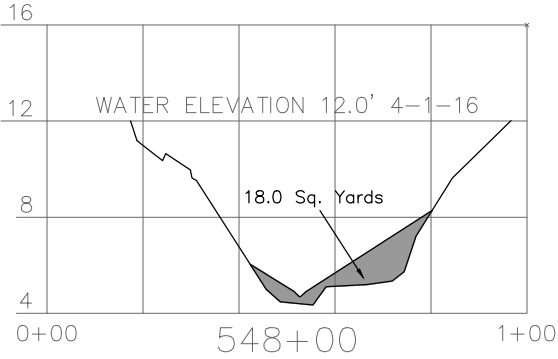
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SURVEY PLAT

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VILLAGE OF ROYAL PALM BEACH, FLORIDA



SCALE
1"=8' VERTICAL
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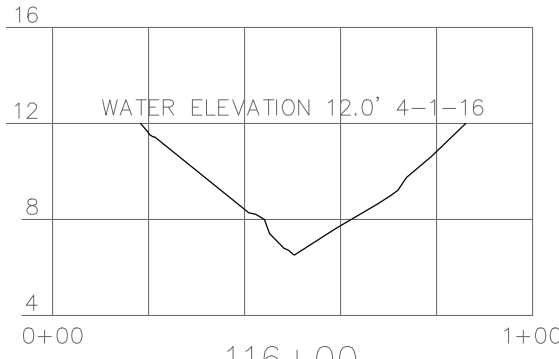
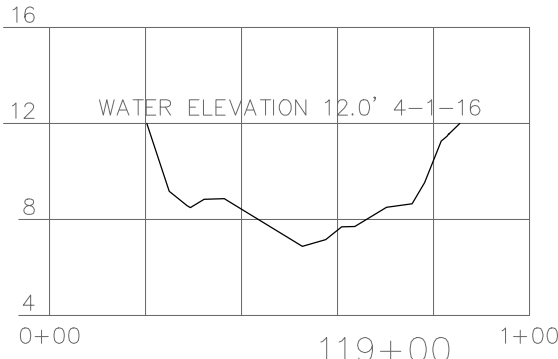
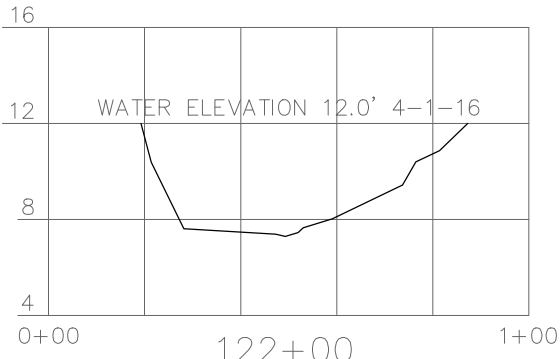
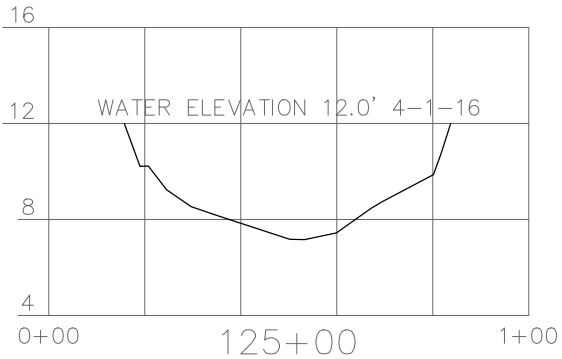
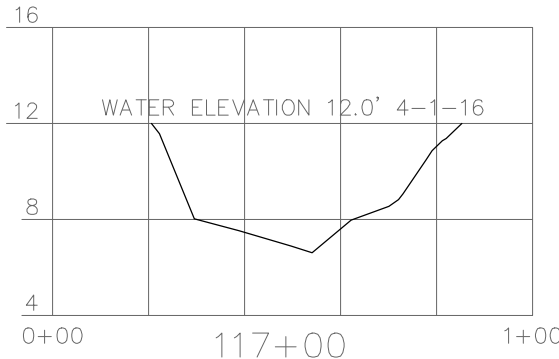
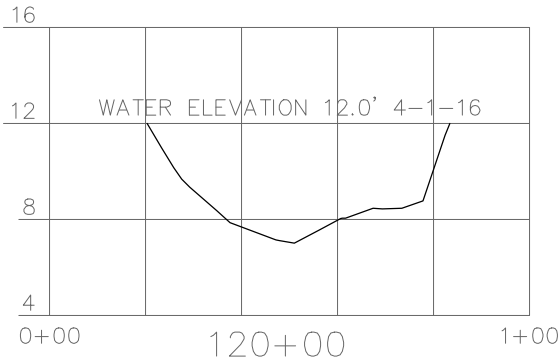
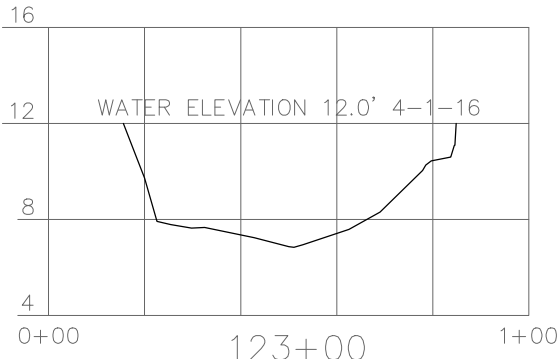
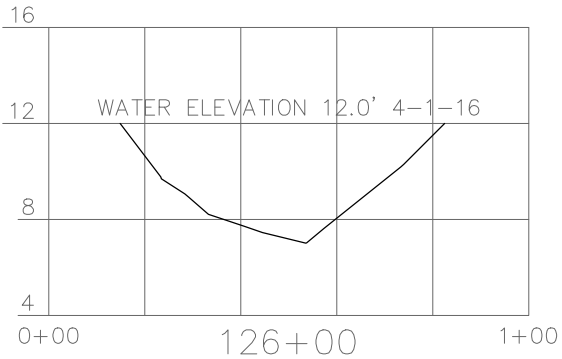
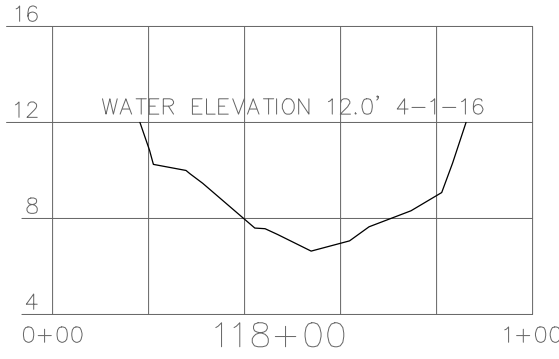
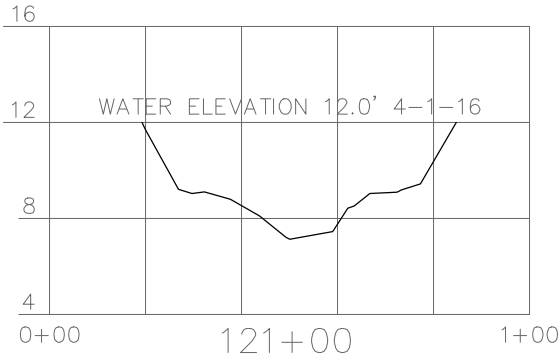
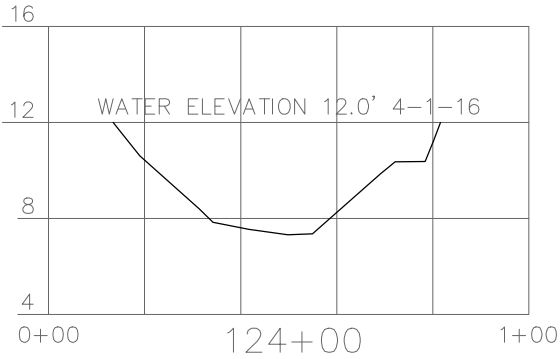
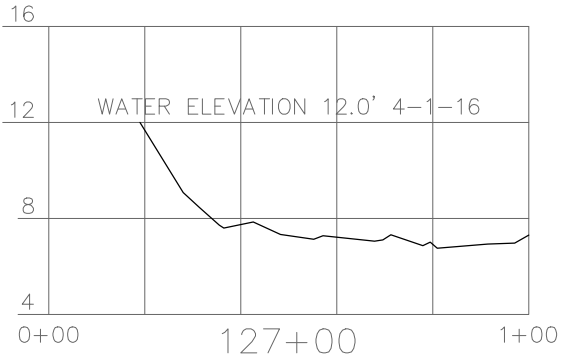
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VILLAGE OF ROYAL PALM BEACH, FLORIDA



SCALE
1"=8' VERTICAL
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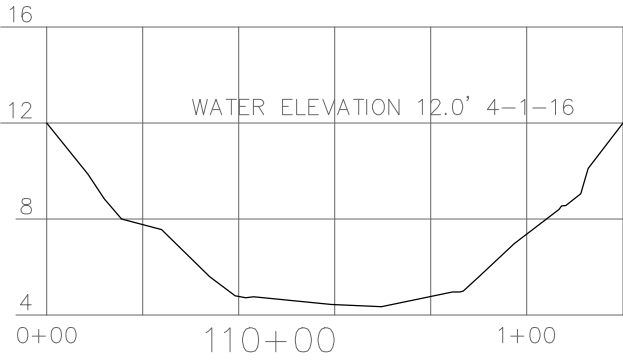
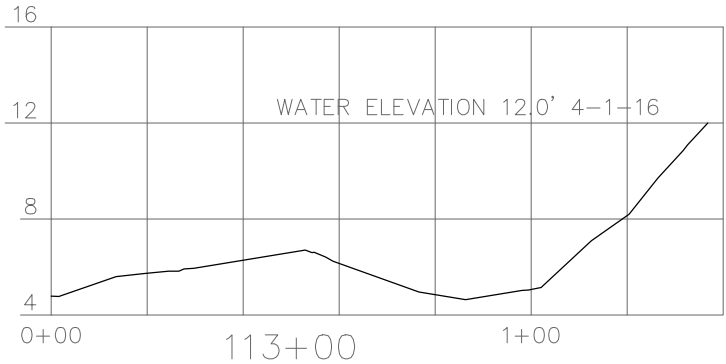
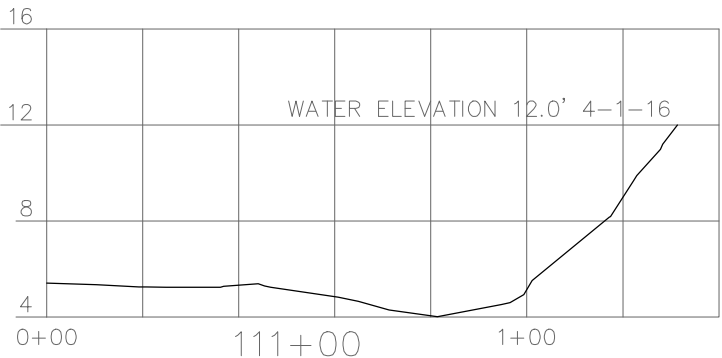
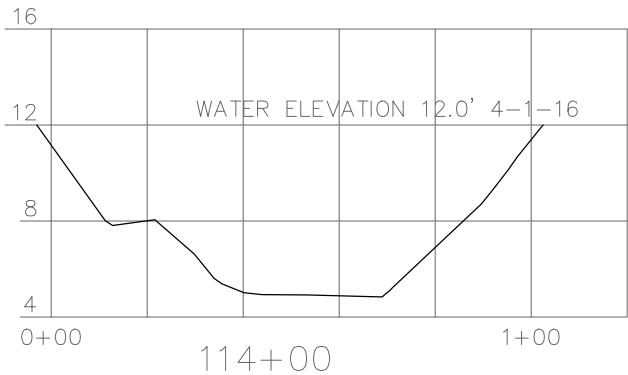
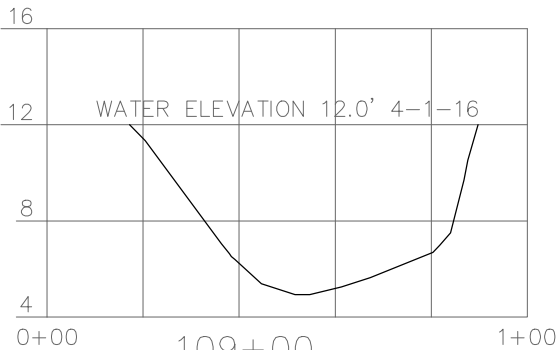
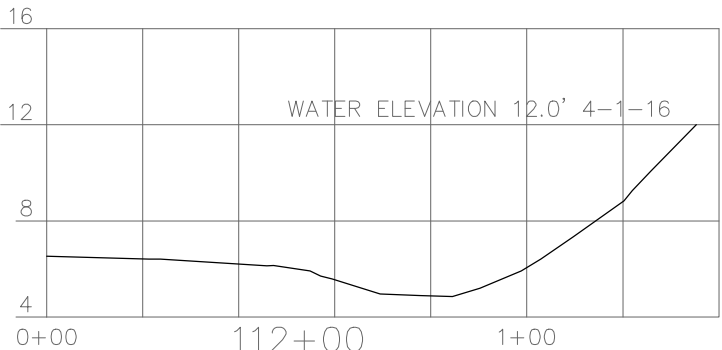
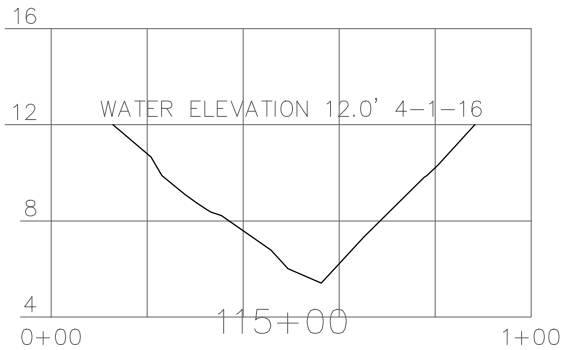
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SURVEY PLAT

LA MANCHA SUBDIVISION WATERWAYS,
VILLAGE OF ROYAL PALM BEACH, FLORIDA



SCALE
1"=8' VERTICAL
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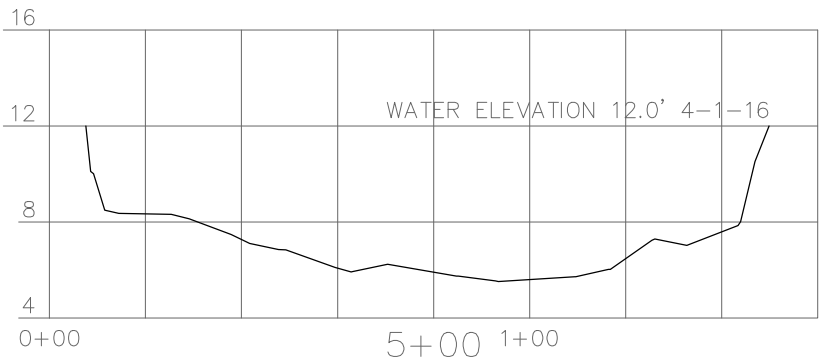
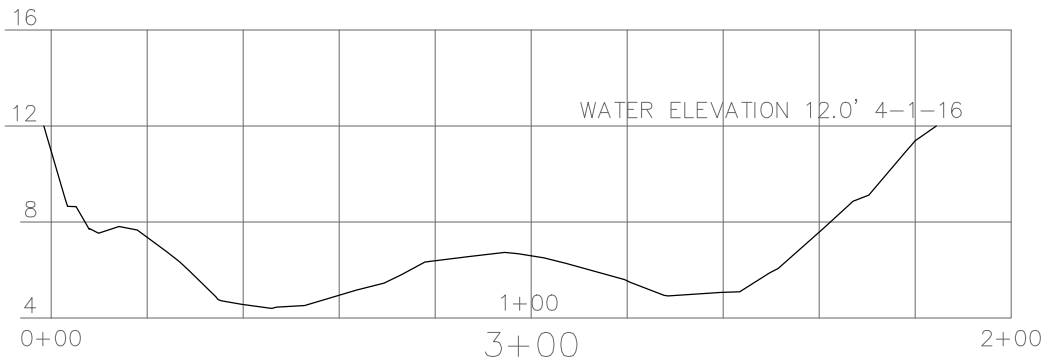
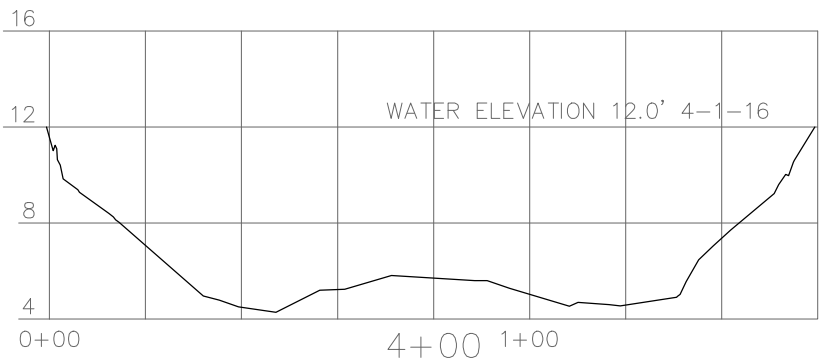
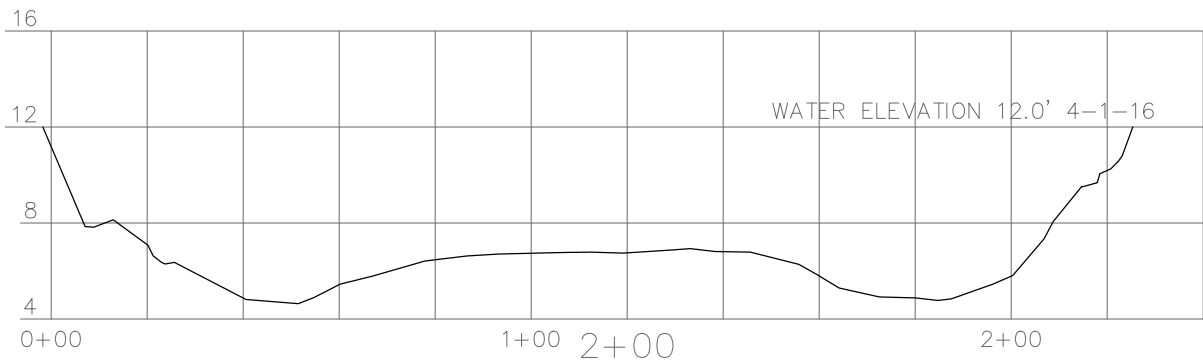
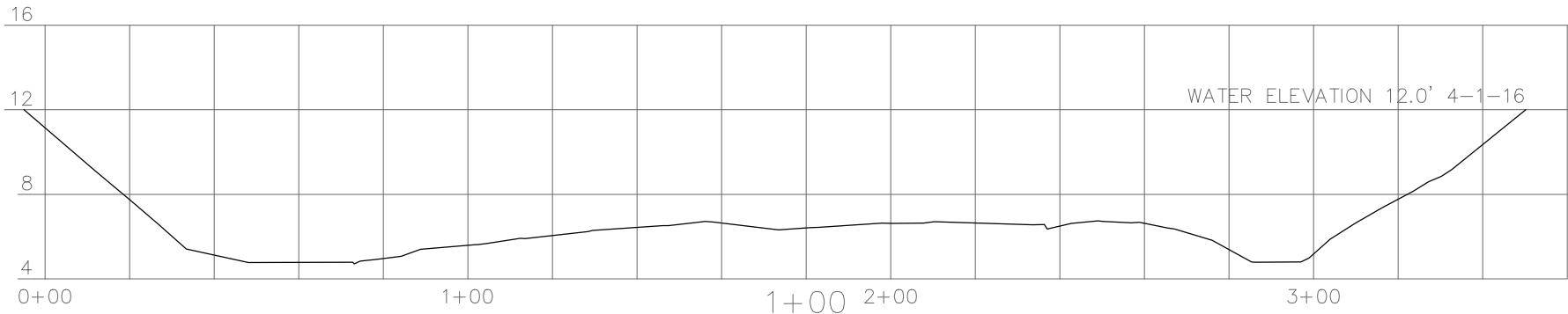
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