

SITE DEVELOPMENT PLANS OF READY STREET OUTFALL IMPROVEMENTS

ST. MARYS, GA

PREPARED FOR:
CITY OF ST. MARYS
819 POINT PETER ROAD
ST. MARYS, GEORGIA 31588

JUNE 24, 2015
REVISED: MAY 22, 2017

J-25144.0001

PREPARED BY:

THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting



VICINITY MAP
SCALE: 1" = 2000'

| Sheet Number | Sheet Title |
|--------------|--------------------------------------|
| CC | COVER SHEET |
| G1.1 | GENERAL NOTES AND INDEX |
| V2.1 | EXISTING CONDITIONS |
| CD1.1 | DRAINAGE PLAN |
| CD2.1 | STORM WATER MANAGEMENT PLAN |
| C3.1 | PAVING, GRADING AND DRAINAGE PLAN |
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| EC1.1 | SI & PC NOTES |
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| S1.1 | HEADWALL PLANS, SECTIONS AND DETAILS |

| REVISION HISTORY | | | |
|------------------|-------------------------------------|----------|----|
| NO. | DESCRIPTION | DATE | BY |
| 1 | ADDED SHEET OF LUMBERED CONNECTIONS | 05/22/17 | JH |
| 2 | ADDED SHEET OF LUMBERED CONNECTIONS | 05/22/17 | JH |
| 3 | ADDED SHEET OF LUMBERED CONNECTIONS | 05/22/17 | JH |

| SUBMITTAL HISTORY | | | |
|-------------------|-----------------------|----------|----|
| NO. | DESCRIPTION | DATE | BY |
| 1 | PRELIMINARY SUBMITTAL | 06/24/15 | JH |
| 2 | FINAL SUBMITTAL | 05/22/17 | JH |



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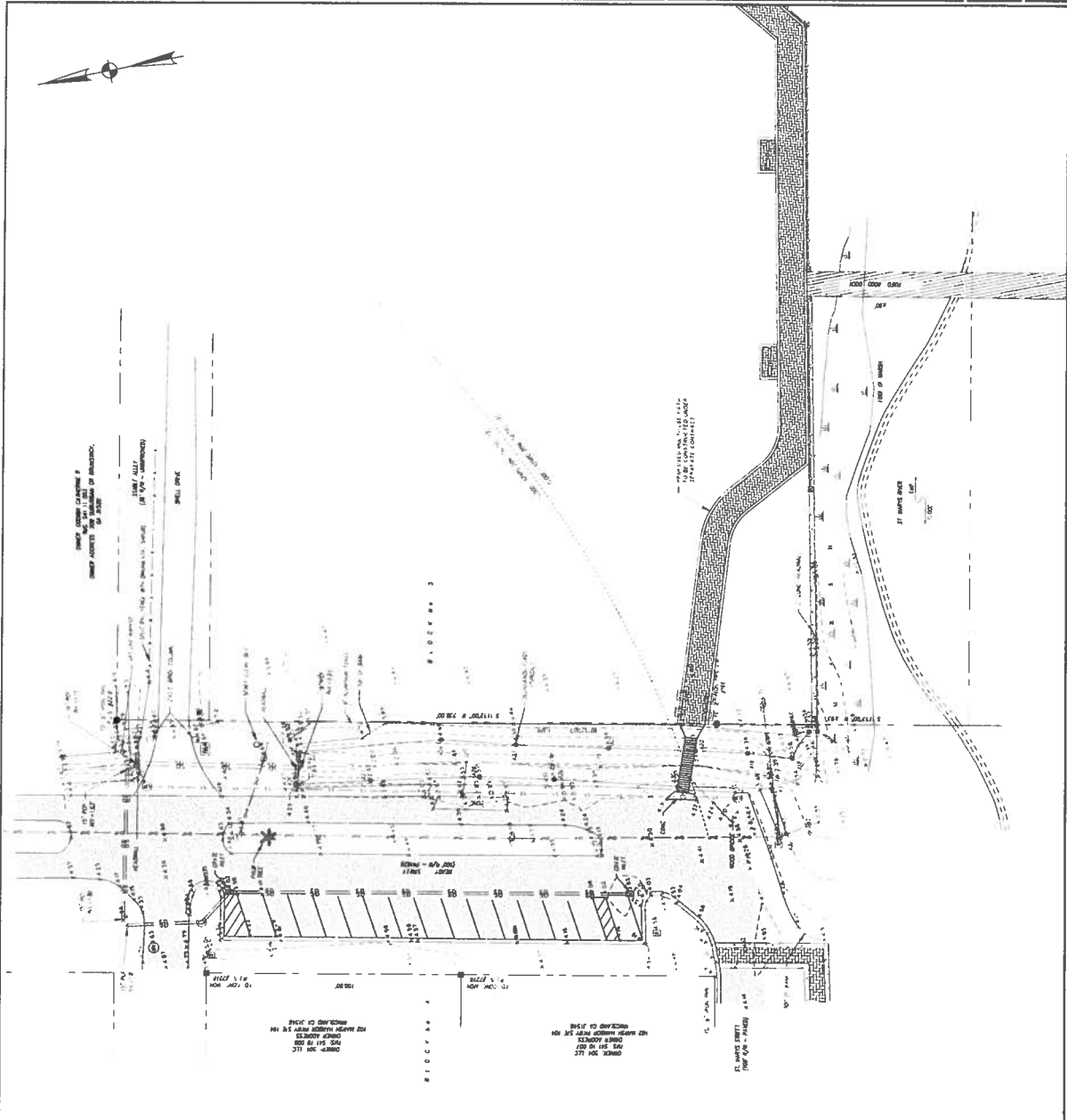
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CITY OF ST. MARYS
 ST. MARYS, GA
 READY STREET OUTFALL IMPROVEMENTS
 EXISTING CONDITIONS

| | |
|--------------|-------------------|
| DATE: | 7/13/2015 |
| DRAWN BY: | W. H. HUTTON |
| CHECKED BY: | W. H. HUTTON |
| SCALE: | AS SHOWN |
| PROJECT NO.: | 15-001 |
| CLIENT: | CITY OF ST. MARYS |

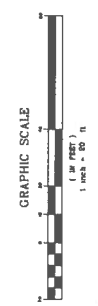
V2.1



LEGEND:

| | |
|--|------------------------|
| | UTILITY POLE |
| | WATER METER |
| | CITY ANCHOR |
| | TELEPHONE PEDESTAL |
| | WATER VALVE |
| | SANITARY SEWER MANHOLE |
| | STORM MANHOLE |
| | OVERHEAD POWER LINES |
| | SANITARY SEWER PIPES |
| | ASPHALT |
| | CONCRETE |

- NOTES:**
1. BEARINGS SHOWN HEREON REFER TO THE BEARING OF N19°20'00"E FOR THE READY STREET CENTERLINE, ACCORDING TO THE OFFICIAL PLAN OF ST. MARYS RECORDED IN P. 1, P. 34, PUBLIC RECORDS OF SAO COUNTY.
 2. SEE CITY ZONING REGULATIONS FOR BUILDING SETBACK REQUIREMENTS.
 3. THIS IS A PROSPECTIVE SURVEY OF A PORTION OF READY STREET BOUNDARY INFORMATION SHOWN HEREON IS BASED ON A SURVEY BY JACKSON SURVEYING, INC. DATED OCTOBER 10, 2012.
 4. THERE MAY EXIST RESTRICTIONS OR ENCUMBRANCES AFFECTING THE SUBJECT PROPERTY THAT ARE NOT KNOWN TO JACKSON SURVEYING, INC.
 5. NO ATTEMPT WAS MADE BY JACKSON SURVEYING, INC. TO DETERMINE WETLAND AREAS OR OTHER ENVIRONMENTAL ISSUES, IF ANY, THAT MAY AFFECT THE SUBJECT PROPERTY.
 6. THE CURRENT DNR MARSHLINE SHOWN HEREON WAS FLAGGED BY RESOURCE LAND CONSULTANTS IN OCTOBER 2012.
 7. DATE OF FIELD SURVEY: JULY 13, 2015 BY JACKSON SURVEYING, INC.



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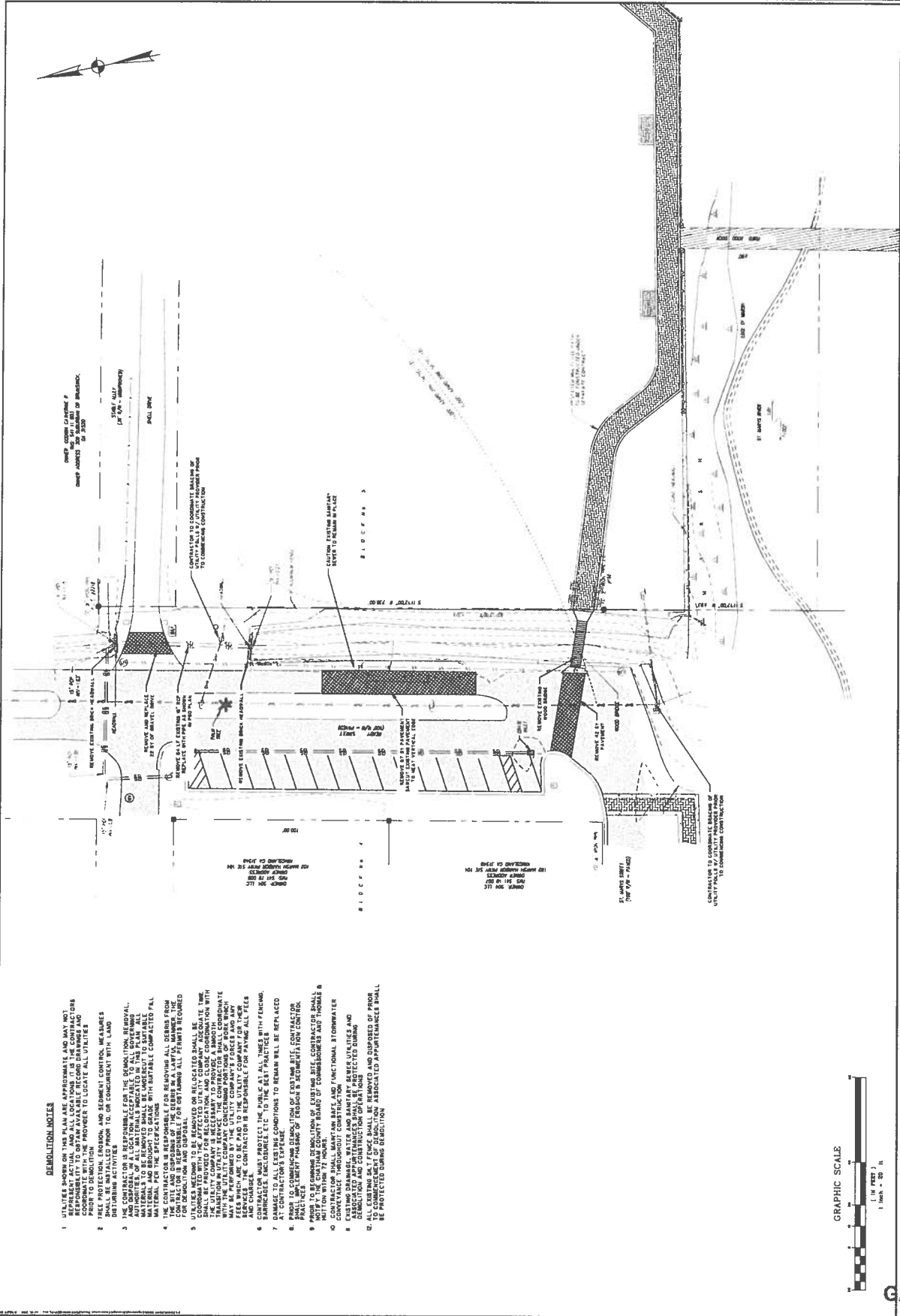
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CITY OF ST. MARYS
 ST. MARYS, GA
 READY STREET UTILITY IMPROVEMENTS
 DEMOLITION PLAN

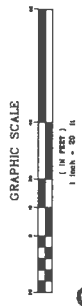
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|-------------|------------|
| PROJECT NO. | 2017-0000 |
| DATE | 05/26/2017 |
| DRAWN BY | |
| CHECKED BY | |
| SCALE | AS SHOWN |

CD1.1



DEMOLITION NOTES

- UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE EXACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RESPONSIBILITY TO OBTAIN AVAILABLE RECORD DRAWINGS PRIOR TO DEMOLITION. PROVIDER TO LOCATE ALL UTILITIES.
- FREE PROTECTION, EROSION, AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO, OR CONCURRENT WITH, LAND DEMOLITION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL OF ALL MATERIALS INDICATED IN THIS PLAN. ALL MATERIALS SHALL BE BROUGHT TO A LICENSED AND COMPACTED FILL MATERIAL FOR THE SPECIFICATIONS.
- THE SITE AND DRUMS OF THE BARRICADE SHALL BE SECURED FOR DEMOLITION AND DISPOSAL.
- UTILITIES TO BE REMOVED OR RELOCATED SHALL BE IDENTIFIED AND PROTECTED. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES FOR SERVICE. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES FOR DEMOLITION AND DISPOSAL.
- BARRICADES, ENCLOSURES, ETC. TO THE BEST PRACTICES AT CONTRACTOR'S EXPENSE.
- PRIOR TO COMMENCEMENT OF DEMOLITION, CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND RECORD DRAWINGS FROM THE COUNTY ENGINEER AND SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION OPERATIONS AND DURING OF PHASE TO COMMENCEMENT OF DEMOLITION. ASSOCIATED APPEARANCES SHALL BE PROTECTED DURING DEMOLITION.



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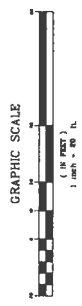
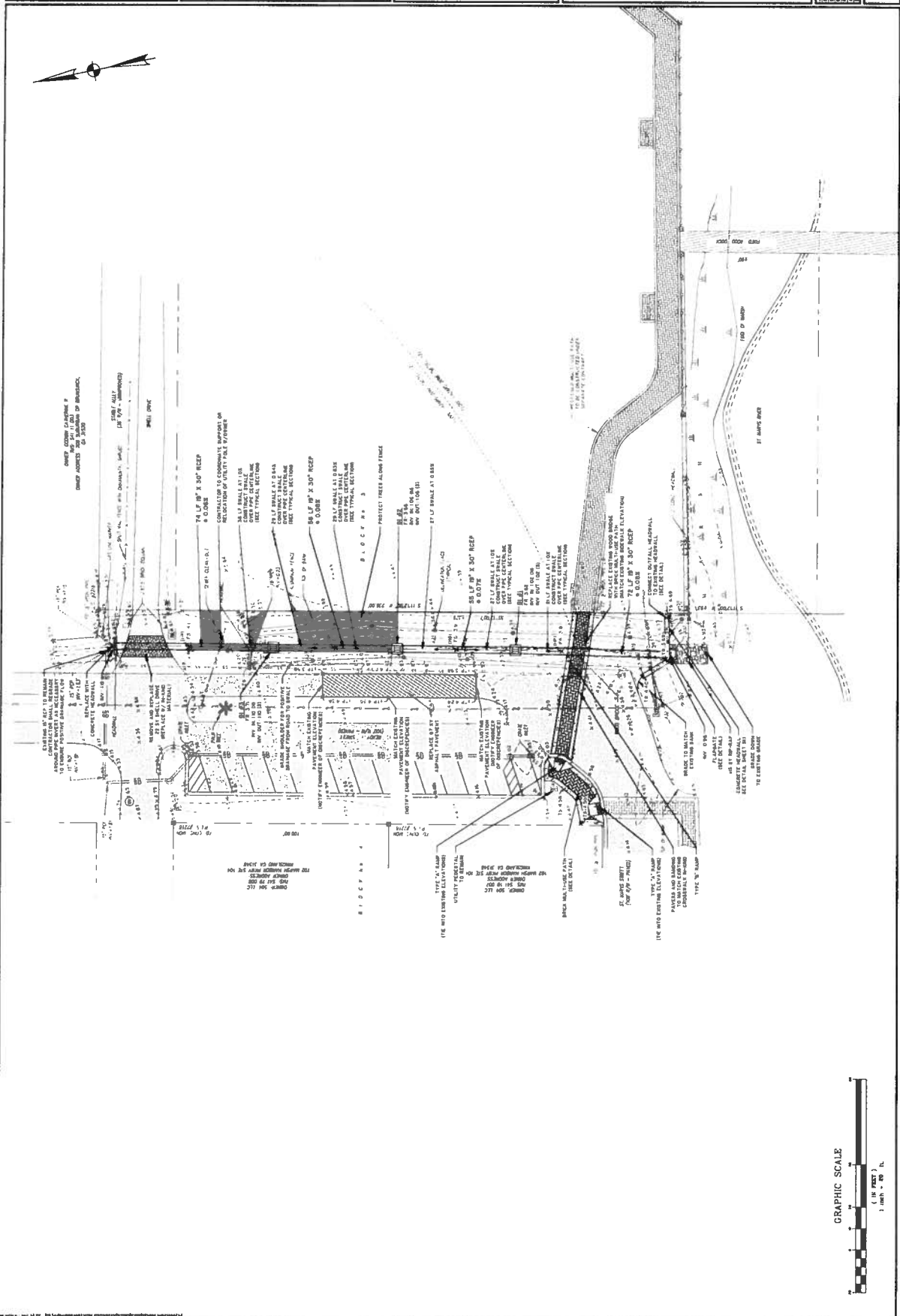


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| 10 | AS | 12/13 | |

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CITY OF ST. MARYS
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 READY STREET OUTFALL IMPROVEMENTS
 PAVING, GRADING AND
 DRAINAGE PLAN

C3.1



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CITY OF ST. MARYS
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 ES & PCN

EC1.3
 CITY ENGINEER
 DATE REVIEWED
 DATE APPROVED
 DATE ISSUED

INFRASTRUCTURE CONSTRUCTION PROJECTS

PROJECT NAME: **READY STREET OUTFALL IMPROVEMENTS**
 DATE ON PLAN: **JUNE 2015**
 REVISED DATE:

PROJECT NO.: **15-000000**
 CITY/COUNTY: **SANDY**

PERMITS REQUIRED:
 PERMITS REQUIRED FOR EACH PHASE OF CONSTRUCTION:

PLEASE SEE THE PLAN FOR THE DETERMINATION OF THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION.

40 PROVIDE DETAILED INFORMATION FOR ALL STRUCTURAL PRACTICES SPECIFICATIONS MUST BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.

PLEASE SEE THE PLAN SHEETS FOR DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES WITH SPECIFICATIONS MEETING THE REQUIREMENTS SET FORTH IN THE MANUAL FOR DESIGN AND CONSTRUCTION OF ST. MARYS.

40 PROVIDE VEGEATIVE PLAN WITH ALL TEMPORARY AND PERMANENT VEGEATIVE PRACTICES WITH SPECIFICATIONS MEETING THE REQUIREMENTS SET FORTH IN THE MANUAL FOR DESIGN AND CONSTRUCTION OF ST. MARYS.

PLEASE SEE THE PLAN AND DETAIL SHEETS FOR THE VEGEATIVE PLAN WITH ALL DATES AND RECORDS, FERTILIZER, LIME AND SALICORNIA INVA. THIS PLAN IS SUBJECT TO THE CITY AND APPROPRIATE FOR THE YEAR THAT RECORDS WILL TAKE PLACE AND FOR THE APPROPRIATE DETERMINED RECORD OF RECORD.

40 PROVIDE DETAILED INFORMATION FOR ALL STRUCTURAL PRACTICES SPECIFICATIONS MUST BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.

PLEASE SEE THE PLAN SHEETS FOR THE LOCATION OF BEST MANAGEMENT PRACTICES AND RECORDS CONTROL IN RECORDS USING THE LAMPION CORP SYMBOLS FROM THE MANUAL, COMPLETE WITH ACCOMPANYING LEGEND.

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CONSTRUCTION ACTIVITIES MUST HAVE MET THE STANDARDS REQUIRED BY (B) ANYWAY SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY AREA EVENT OF THE DAY OR WEEK.

APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE FOLLOWING TO THE CITY ENGINEER FOR REVIEW AND APPROVAL:

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31 DESCRIPTION OF ANALYSES TO BE USED TO COLLECT AND ANALYZE THE WATER SAMPLES FROM EACH LOCATION.

32 APPEARANCE NATIONAL FOR YOU VALUE AT ALL INITIAL SAMPLING POINTS (WATER SAMPLES) TO BE SAMPLED FOR REPRESENTATIVE TURBIDITY LIMITS WITHIN THE DISTURBED AREA. THESE SAMPLES SHALL BE TAKEN AT THE END OF THE DISTURBED AREA. THESE SAMPLES SHALL BE TAKEN AT THE END OF THE DISTURBED AREA. THESE SAMPLES SHALL BE TAKEN AT THE END OF THE DISTURBED AREA.

33 THE DATE OF THE ANALYSES TO BE PERFORMED SHALL BE THE DATE OF THE ANALYSES TO BE PERFORMED. THE DATE OF THE ANALYSES TO BE PERFORMED SHALL BE THE DATE OF THE ANALYSES TO BE PERFORMED.

34 A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE TO PREVENT EROSION AND TO PREVENT THE DISTURBED AREA FROM BEING RE-ERODED. THESE MEASURES SHALL BE DESCRIBED IN THE CONSTRUCTION PLAN AND SHALL BE SUBJECT TO THE CITY ENGINEER'S REVIEW AND APPROVAL.

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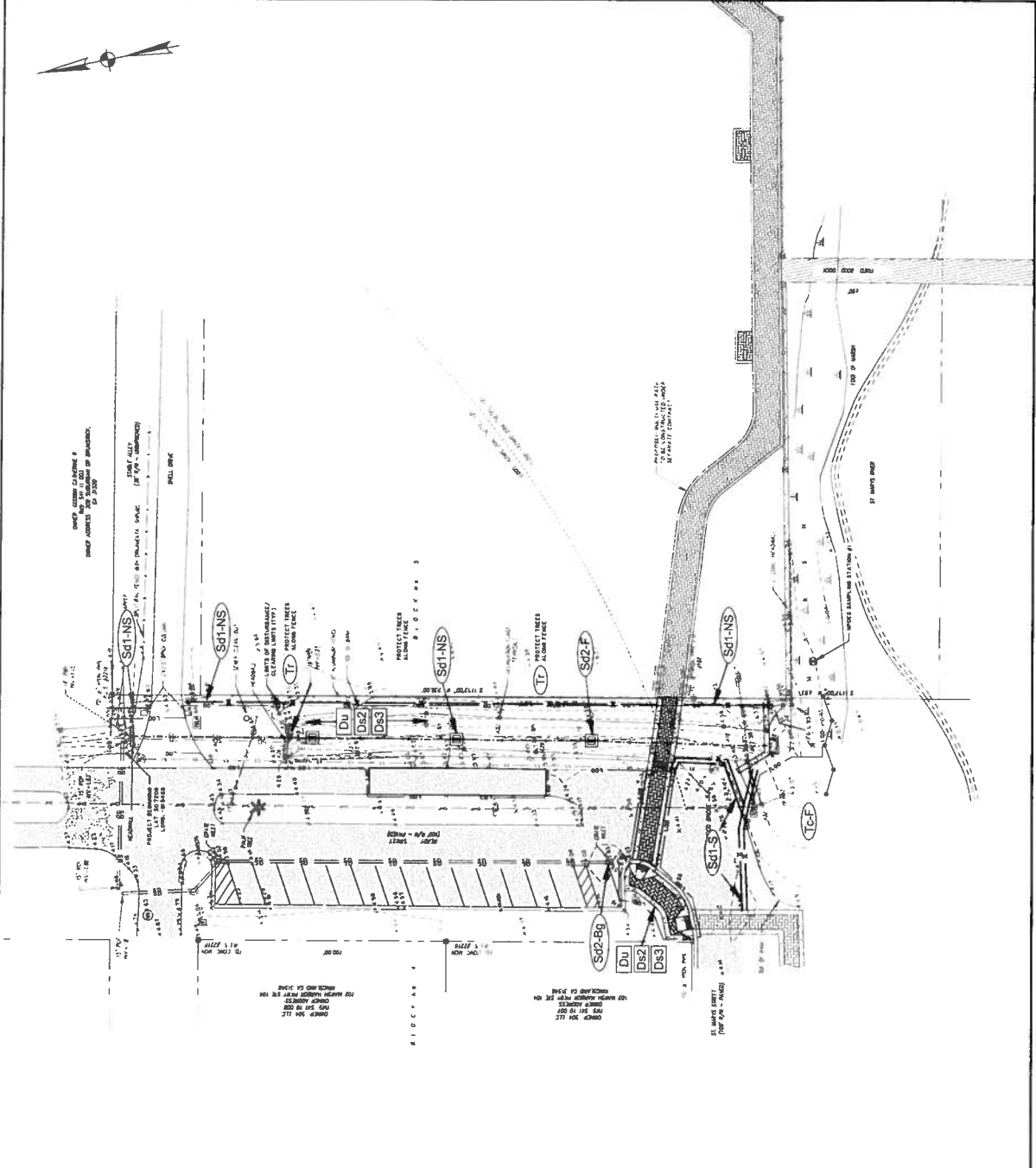
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CITY OF ST. MARYS
31 MARYS, GA

PROJECT NO. 15-018
DATE: 05/11/17
SCALE: AS SHOWN

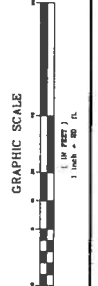
EC2.1



| EROSION CONTROL LEGEND | |
|---|-------------|
| DESCRIPTION | PLAN SYMBOL |
| DISTURBED AREA STABILIZATION (MULCHING ONLY) | Ds1 |
| DISTURBED AREA STABILIZATION (TEMPORARY BEEDING) | Ds2 |
| DISTURBED AREA STABILIZATION (PERMANENT VEGETATION) | Ds3 |
| DUST CONTROL | Du |
| CONSTRUCTION EXIT | Co |
| SILT FENCE - TYPE A | Sd1-NS |
| SILT FENCE - TYPE C | Sd1-S |
| TREE PROTECTION | T |
| INLET SEDIMENT TRAP (FILTER FABRIC WITH FRAME) | Sd2-F |
| INLET SEDIMENT TRAP (GRAVEL) | Sd2-Bg |
| TURBIDITY CURTAIN (FLOATING) | |

| CONSTRUCTION ACTIVITY | SCHEDULE CONSIDERATION |
|---|------------------------|
| 1. INSTALL ALL PLAN APPROVEDS AND TYPES APPROPRIATE TO THE ACTIVITY | |
| 2. FLAG THE WORK LIMITS AND MARK THE TREES AND BUFFER AREAS FOR PROTECTION | |
| 3. LAKE THE EROSION CONTROL MEASURES AT THE START OF EACH WORK DAY AND REMOVE AT THE END OF EACH WORK DAY | |
| 4. CONSTRUCTION ACCESS - CONSTRUCTION SHALL BE LIMITED TO THE NECESSARY ACCESS POINTS AND SHALL BE LIMITED TO THE NECESSARY ACCESS POINTS | |
| 5. CONSTRUCTION SHALL BE LIMITED TO THE NECESSARY ACCESS POINTS AND SHALL BE LIMITED TO THE NECESSARY ACCESS POINTS | |
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THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE MONITORED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FAILURE OF ANY EROSION CONTROL MEASURE IS OBSERVED, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE THE MEASURE. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.



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 PROJECT LIMITS

2010 ORTHO PHOTOGRAPH
CAMDEN COUNTY, GEORGIA

DATE: 30 JANUARY 2013

MAP SCALE : 1 INCH = 250 FEET

PREPARED BY: RP

RLC PROJECT NO. 12-114

ST. MARYS MULTI-USE TRAIL PHASE III
CAMDEN COUNTY, GEORGIA

PREPARED FOR:
CITY OF ST. MARYS



0 125 250 500 Feet



RESOURCE+LAND
CONSULTANTS

27 Park of Commerce Way, Ste 303
Savannah, Georgia 31405
912.443.5896 www.rlandc.com

GA DNR

APR 13 2016

FOR REFERENCE TO ORIGINAL SURVEY ONLY

MAP TO SHOW DNR JURISDICTION LINE & APPROVED
 IDEOGRAPHICAL SURVEY OF
 A PARCEL OF LAND LYING IN
 THE CITY OF ST. MARYS,
 29TH G.M.D., CAMDEN COUNTY,
 GEORGIA

FOR: THOMAS & HUTTON

(BEING A PORTION OF BLOCK No. 5 AND A PORTION OF STABLE ALLEY AS SHOWN ON THE ORIGINAL PLAN OF ST. MARYS RECORDED IN P.L. 1, PAGE 94 PUBLIC RECORDS OF CAMDEN COUNTY)

NOTES:

1. BEARINGS AND COORDINATES SHOWN HEREON WERE ESTABLISHED BY GPS METHODOLOGY, BASED ON NGS MONUMENT Q-198. COORDINATES ARE GEORGIA EAST ZONE GSD COORDINATES.
2. REFERENCE BENCHMARK: U.S.G. & G.S. BENCHMARK ST. MARYS 3' N SOUTHEAST CORNER WALL OF THE OLD RIVERVIEW HOTEL, ELEV. 94.3' (NAVD89).
3. SEE CITY ZONING REGULATIONS FOR BUILDING SETBACK REQUIREMENTS.
4. THERE MAY EXIST ADDITIONAL RESTRICTIONS LYING OVER SUBJECT PROPERTY THAT ARE NOT SHOWN HEREON.
5. THE CURRENT DNR MARSHLINE SHOWN HEREON WAS FLAGGED BY RESOURCE LAND CONSULTANTS ON OCTOBER 2012. ANGLE POINTS IN THIS LINE ARE FLAGGED TIED TO VARIOUS FORMS OF VEGETATION AND ARE SHOWN THIS: \triangle M17



JACKSON SURVEYING, INC.
 Surveyors and Land Planners

5598 DARLEN HIGHWAY, SUITE 217
 BRUNSWICK, GEORGIA 31525
 O/C: (912) 265-3855
 F/C: (912) 265-9599

DNR. BY: GD CDR. BY: PJ
 DNR. NO. 02259 11-12 FS. 585-1 (7/12)



PHILLIP JACKSON
 GA REGISTERED SURVEYOR No. 2684

REVISED: 5-22-2014
 DATE OF FIELD SURVEY: 10-10-2012
 APPROVED BY:

PROJECT TOTALS

| | |
|----------------------------------|---------|
| UPLAND AREA | 2.34 AC |
| TIDAL WETLAND/RIVER AREA | 0.95 AC |
| TOTAL AREA WITHIN BOUNDARY LINES | 3.03 AC |
| TOTAL AREA WITHIN PROJECT LIMITS | 3.33 AC |

COORDINATE TABLE

| POINT | N | E | COORDINATE |
|-------|---|---------|------------|
| A1 | N | 288.921 | 811.478 |
| A2 | N | 288.921 | 811.478 |
| A3 | N | 288.921 | 811.478 |
| A4 | N | 288.921 | 811.478 |
| A5 | N | 288.921 | 811.478 |
| A6 | N | 288.921 | 811.478 |
| A7 | N | 288.921 | 811.478 |
| A8 | N | 288.921 | 811.478 |
| A9 | N | 288.921 | 811.478 |
| A10 | N | 288.921 | 811.478 |
| A11 | N | 288.921 | 811.478 |
| A12 | N | 288.921 | 811.478 |
| A13 | N | 288.921 | 811.478 |
| A14 | N | 288.921 | 811.478 |
| A15 | N | 288.921 | 811.478 |
| A16 | N | 288.921 | 811.478 |
| A17 | N | 288.921 | 811.478 |
| A18 | N | 288.921 | 811.478 |
| A19 | N | 288.921 | 811.478 |
| A20 | N | 288.921 | 811.478 |
| A21 | N | 288.921 | 811.478 |
| A22 | N | 288.921 | 811.478 |
| A23 | N | 288.921 | 811.478 |
| A24 | N | 288.921 | 811.478 |
| A25 | N | 288.921 | 811.478 |
| A26 | N | 288.921 | 811.478 |
| A27 | N | 288.921 | 811.478 |
| A28 | N | 288.921 | 811.478 |
| A29 | N | 288.921 | 811.478 |
| A30 | N | 288.921 | 811.478 |
| A31 | N | 288.921 | 811.478 |
| A32 | N | 288.921 | 811.478 |
| A33 | N | 288.921 | 811.478 |
| A34 | N | 288.921 | 811.478 |
| A35 | N | 288.921 | 811.478 |
| A36 | N | 288.921 | 811.478 |
| A37 | N | 288.921 | 811.478 |
| A38 | N | 288.921 | 811.478 |
| A39 | N | 288.921 | 811.478 |
| A40 | N | 288.921 | 811.478 |
| A41 | N | 288.921 | 811.478 |
| A42 | N | 288.921 | 811.478 |
| A43 | N | 288.921 | 811.478 |
| A44 | N | 288.921 | 811.478 |
| A45 | N | 288.921 | 811.478 |
| A46 | N | 288.921 | 811.478 |
| A47 | N | 288.921 | 811.478 |
| A48 | N | 288.921 | 811.478 |
| A49 | N | 288.921 | 811.478 |
| A50 | N | 288.921 | 811.478 |
| A51 | N | 288.921 | 811.478 |
| A52 | N | 288.921 | 811.478 |
| A53 | N | 288.921 | 811.478 |
| A54 | N | 288.921 | 811.478 |
| A55 | N | 288.921 | 811.478 |
| A56 | N | 288.921 | 811.478 |
| A57 | N | 288.921 | 811.478 |
| A58 | N | 288.921 | 811.478 |
| A59 | N | 288.921 | 811.478 |
| A60 | N | 288.921 | 811.478 |
| A61 | N | 288.921 | 811.478 |
| A62 | N | 288.921 | 811.478 |
| A63 | N | 288.921 | 811.478 |
| A64 | N | 288.921 | 811.478 |
| A65 | N | 288.921 | 811.478 |
| A66 | N | 288.921 | 811.478 |
| A67 | N | 288.921 | 811.478 |
| A68 | N | 288.921 | 811.478 |
| A69 | N | 288.921 | 811.478 |
| A70 | N | 288.921 | 811.478 |
| A71 | N | 288.921 | 811.478 |
| A72 | N | 288.921 | 811.478 |
| A73 | N | 288.921 | 811.478 |
| A74 | N | 288.921 | 811.478 |
| A75 | N | 288.921 | 811.478 |
| A76 | N | 288.921 | 811.478 |
| A77 | N | 288.921 | 811.478 |
| A78 | N | 288.921 | 811.478 |
| A79 | N | 288.921 | 811.478 |
| A80 | N | 288.921 | 811.478 |
| A81 | N | 288.921 | 811.478 |
| A82 | N | 288.921 | 811.478 |
| A83 | N | 288.921 | 811.478 |
| A84 | N | 288.921 | 811.478 |
| A85 | N | 288.921 | 811.478 |
| A86 | N | 288.921 | 811.478 |
| A87 | N | 288.921 | 811.478 |
| A88 | N | 288.921 | 811.478 |
| A89 | N | 288.921 | 811.478 |
| A90 | N | 288.921 | 811.478 |
| A91 | N | 288.921 | 811.478 |
| A92 | N | 288.921 | 811.478 |
| A93 | N | 288.921 | 811.478 |
| A94 | N | 288.921 | 811.478 |
| A95 | N | 288.921 | 811.478 |
| A96 | N | 288.921 | 811.478 |
| A97 | N | 288.921 | 811.478 |
| A98 | N | 288.921 | 811.478 |
| A99 | N | 288.921 | 811.478 |
| A100 | N | 288.921 | 811.478 |