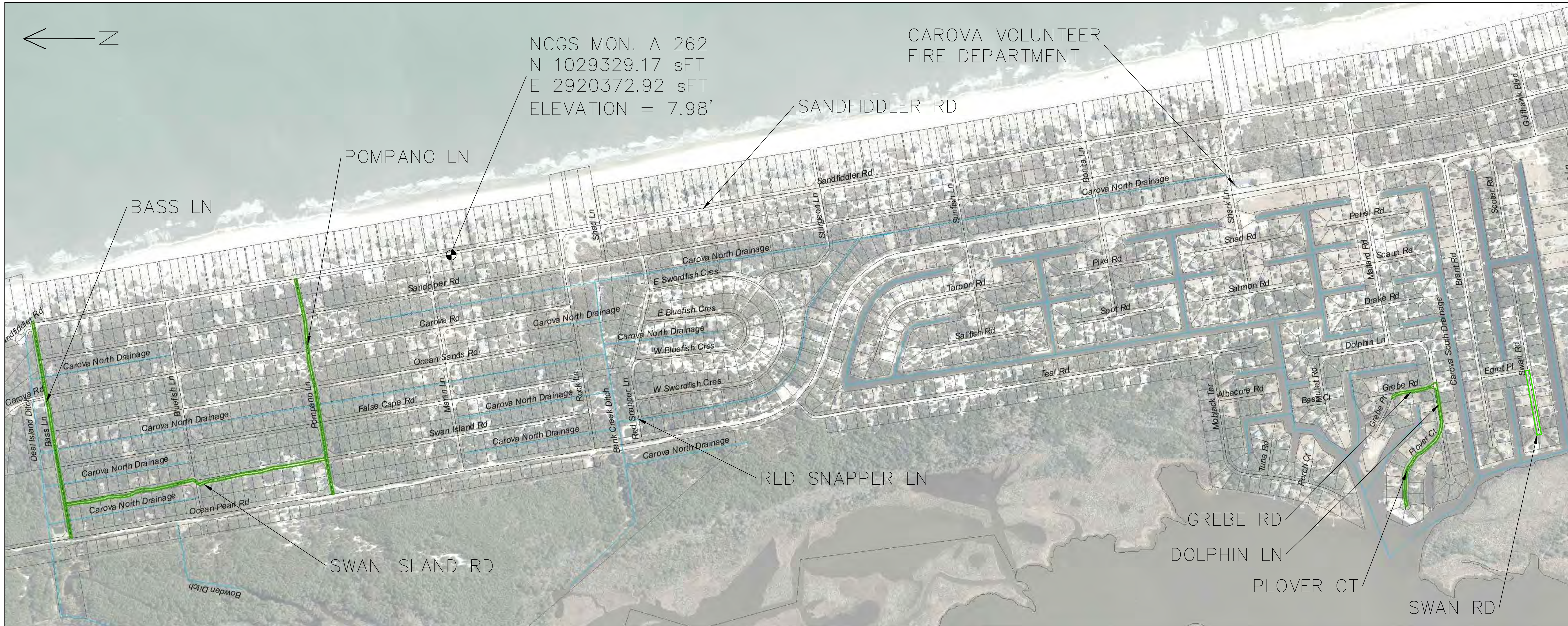


CAROVA ROADS REPAIR CURRITUCK COUNTY



PLANS PREPARED BY:
CURRITUCK COUNTY ENGINEERING DEPARTMENT
153 COURTHOUSE RD, SUITE 302
CURRITUCK, NC 27929

DATE:
NOVEMBER 24, 2020

SHEETS	
COVER	COVER
EXISTING CONDITIONS – BASS LN, POMPANO LN	EX-01
EXISTING CONDITIONS – SWAN ISLAND RD, RED SNAPPER LN	EX-02
EXISTING CONDITIONS – DOLPHIN LN, GREBE LN, PLOVER CT, SWAN RD	EX-03
ROAD WORK – BASS LN	C-01
ROAD WORK – POMPANO LN	C-02
ROAD WORK – SWAN ISLAND RD	C-03
ROAD WORK – RED SNAPPER LN	C-04
ROAD WORK – DOLPHIN LN, GREBE RD, PLOVER CT	C-05
ROAD WORK – SWAN RD	C-06
SANDFIDDLER RD CUT MATERIAL	C-07
SANDFIDDLER RD CUT SECTIONS CROSS SECTIONS (1 & 2)	C-08
SANDFIDDLER RD CUT SECTIONS CROSS SECTIONS (3 & 4)	C-09
SANDFIDDLER RD CUT SECTIONS CROSS SECTIONS (5 & 6)	C-10
DETAILS	D-01

LEGEND	
---	RIGHT OF WAY
---	PARCEL LINE
---	DRAINAGE FEATURE
---	DRAINAGE FLOW DIRECTION
---	EXISTING CULVERT
⊕	BENCHMARK
---	PROPOSED 30' WIDE CLEARING
---	PROPOSED 20' WIDE ROAD
---	PROPOSED CULVERT
---	EXCAVATION
---	FILL SECTION

Engineering Department
153 Courthouse Rd, Suite 302
Currituck, NC 27958



COVER

CAROVA ROADS REPAIR
FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

SCALE: NTS
SHEET: COVER



EXISTING CONDITIONS – BASS LANE



EXISTING CONDITIONS – POMPAÑO LANE

NOTES:

1. AERIAL IMAGERY FROM 2016. ACTUAL FIELD CONDITIONS MAY VARY.
2. EXISTING ROAD PATH MAY VARY OUT OF RIGHT-OF-WAY.
3. EXISTING ROAD WIDTH AND HEIGHT CLEARANCE VARY ALONG ROAD PATH.
4. CONDITION OF EXISTING CULVERTS VARY FROM PARTIALLY FUNCTIONAL TO COMPLETELY FAILED.

Engineering Department
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 Currituck, NC 27958



EXISTING CONDITIONS
 BASS LN
 POMPAÑO LN

CAROVA ROADS REPAIR
 FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

SCALE: NTS
 SHEET EX-01



EXISTING CONDITIONS – SWAN ISLAND ROAD



EXISTING CONDITIONS – RED SNAPPER LANE

NOTES:

1. AERIAL IMAGERY FROM 2016. ACTUAL FIELD CONDITIONS MAY VARY.
2. EXISTING ROAD PATH MAY VARY OUT OF RIGHT-OF-WAY.
3. EXISTING ROAD WIDTH AND HEIGHT CLEARANCE VARY ALONG ROAD PATH.
4. CONDITION OF EXISTING CULVERTS VARY FROM PARTIALLY FUNCTIONAL TO COMPLETELY FAILED.

Engineering Department
153 Courthouse Rd, Suite 302
Currituck, NC 27958



EXISTING CONDITIONS
SWAN ISLAND RD
RED SNAPPER LN

CAROVA ROADS REPAIR
FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

SCALE: NTS
SHEET EX-02



EXISTING CONDITIONS – DOLPHIN LANE, GREBE ROAD, PLOVER COURT



EXISTING CONDITIONS – SWAN ROAD

NOTES:

1. AERIAL IMAGERY FROM 2016. ACTUAL FIELD CONDITIONS MAY VARY.
2. EXISTING ROAD PATH MAY VARY OUT OF RIGHT-OF-WAY.
3. EXISTING ROAD WIDTH AND HEIGHT CLEARANCE VARY ALONG ROAD PATH.
4. CONDITION OF EXISTING CULVERTS VARY FROM PARTIALLY FUNCTIONAL TO COMPLETELY FAILED.

Engineering Department
153 Courthouse Rd, Suite 302
Currituck, NC 27958



EXISTING CONDITIONS
DOLPHIN LN., GREBE
RD., PLOVER CT.,
SWAN RD.

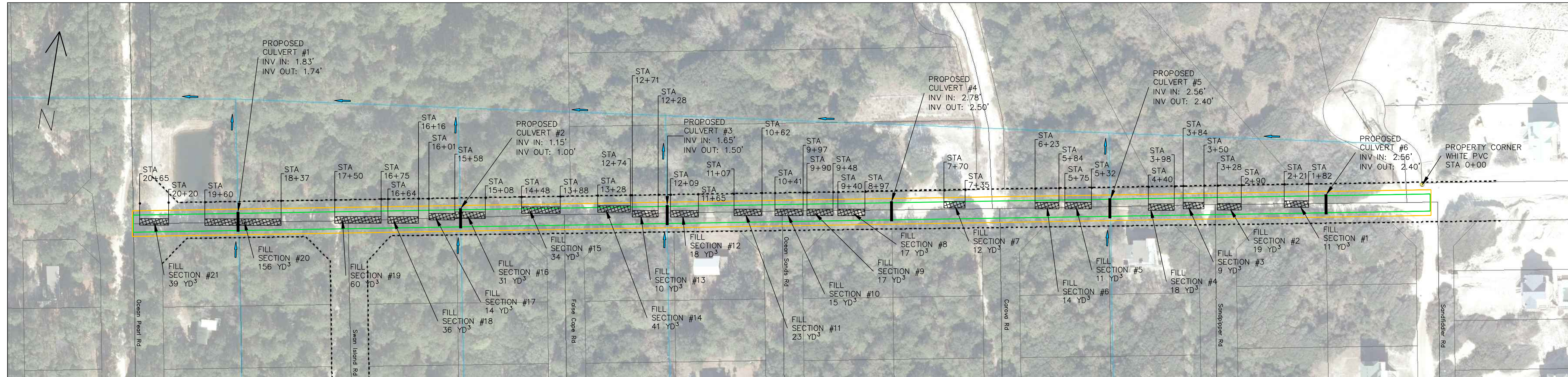
CAROVA ROADS REPAIR

FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

SCALE: NTS

SHEET EX-03



RIGHT-OF-WAY CLEARING NOTES:

1. LIMITS OF CLEARING IS WEST OF SANDFIDDLER RD TO OCEAN PEARL RD.
2. LENGTH OF CLEARANCE: 2,100'
3. RIGHT-OF-WAY SHALL BE CLEARED TO 30' WIDE AND 13' HIGH.
4. CLEARING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END.
 - 4.1. PATHWAY OF CLEARING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
5. VEGETATION AND ROOT MATTER SHALL BE REMOVED AND/OR TRIMMED.
6. HERITAGE TREES WITHIN RIGHT-OF-WAY MY BE REMOVED.
7. PROPER DISPOSAL OF VEGETATION AND ROOT MATTER MAY BE:
 - 7.1. HAULED OFF SITE, OR
 - 7.2. MULCHED AND SPREAD EVENLY ALONG SIDES OF 20-FOOT-WIDE ROADS IN THE CLEARED OR WOODED AREAS WITHIN RIGHT-OF-WAY
 - 7.2.1. MULCH SHALL NOT BE PLACED IN FRONT OF EXISTING DRIVEWAYS
 - 7.3. BURNING IS NOT AUTHORIZED FOR DISPOSAL.

PROPOSED CULVERT NOTES:

1. LOCATION APPROXIMATE. FIELD VERIFICATION REQUIRED FOR FINAL PLACEMENT.
2. TOTAL LENGTH OF CULVERT: 24'
3. SOIL COVER OVER CULVERTS SHALL BE AT LEAST 12"
4. EXPOSED RCP SHALL BE COVERED WITH CLASS A RIP RAP.
5. CULVERT PROTECTION SHALL BE CONSTRUCTED ON INLET AND OUTLET.
 - 5.1. SEE DETAIL SHEET FOR CULVERT INLET/OUTLET PROTECTION DETAILS.
6. AREA FOR CULVERT SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO INSTALLATION.
7. INVERT ELEVATIONS REQUIRE SURVEYING FOR CULVERT PLACEMENT. ELEVATIONS MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
 - 7.1. SEE DETAIL SHEET FOR INLET AND OUTLET INVERT SCHEDULE.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPANO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
3. FILL MATERIAL SHALL BE FREE OF ORGANICS.
4. SECTIONS FOR FILL SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO FILLING WITH MATERIAL.
5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

20' WIDE ROAD NOTES:

1. LIMITS OF CONSTRUCTION IS WEST OF SANDFIDDLER RD TO OCEAN PEARL RD.
2. ROAD WIDENING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END AND GENERALLY TAKE PLACE ALONG THE CENTERLINE OF THE 30-FOOT-WIDE CLEARING.
 - 2.1. PATHWAY OF WIDENING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
3. ROADS SHALL BE GRADED AND SMOOTH WITH NO POTHOLES OR RUTS.
4. ROADS SHALL BE CROWNED AT THE CENTERLINE WITH A 2% SLOPE OUTWARDS.
 - 4.1. SAND MATERIAL MAY BE PULLED FROM THE SIDES TO FORM THE CROWN BUT SHALL NOT FORM DEPRESSIONS/SWALES DEEPER THAN 12" WITH 3:1 SIDE SLOPE.
5. REMOVE ANY REMAINING ORGANIC AND ROOT MATTER.
 - 5.1. ORGANIC AND ROOT MATTER SHALL BE PROPERLY DISPOSED.
6. EXCESS SAND MATERIAL SHALL NOT BE PILED ON SIDE OF ROAD OR SHOULDER. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.



No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET



RIGHT-OF-WAY CLEARING NOTES:

1. LIMITS OF CLEARING IS WEST OF SANDFIDDLER RD TO OCEAN PEARL RD.
2. LENGTH OF CLEARANCE: 2,100'
3. RIGHT-OF-WAY SHALL BE CLEARED TO 30' WIDE AND 13' HIGH.
4. CLEARING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END.
 - 4.1. PATHWAY OF CLEARING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
5. VEGETATION AND ROOT MATTER SHALL BE REMOVED AND/OR TRIMMED.
6. HERITAGE TREES WITHIN RIGHT-OF-WAY MY BE REMOVED.
7. PROPER DISPOSAL OF VEGETATION AND ROOT MATTER MAY BE:
 - 7.1. HAULED OFF SITE, OR
 - 7.2. MULCHED AND SPREAD EVENLY ALONG SIDES OF 20-FOOT-WIDE ROADS IN THE CLEARED OR WOODED AREAS WITHIN RIGHT-OF-WAY
 - 7.2.1. MULCH SHALL NOT BE PLACED IN FRONT OF EXISTING DRIVEWAYS
 - 7.3. BURNING IS NOT AUTHORIZED FOR DISPOSAL.

PROPOSED CULVERT NOTES:

1. LOCATION APPROXIMATE. FIELD VERIFICATION REQUIRED FOR FINAL PLACEMENT.
2. TOTAL LENGTH OF CULVERT: 24'
3. SOIL COVER OVER CULVERTS SHALL BE AT LEAST 12"
4. EXPOSED RCP SHALL BE COVERED WITH CLASS A RIP RAP.
5. CULVERT PROTECTION SHALL BE CONSTRUCTED ON INLET AND OUTLET.
 - 5.1. SEE DETAIL SHEET FOR CULVERT INLET/OUTLET PROTECTION DETAILS.
6. AREA FOR CULVERT SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO INSTALLATION.
7. INVERT ELEVATIONS REQUIRE SURVEYING FOR CULVERT PLACEMENT. ELEVATIONS MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
 - 7.1. SEE DETAIL SHEET FOR INLET AND OUTLET INVERT SCHEDULE.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPANO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
3. FILL MATERIAL SHALL BE FREE OF ORGANICS.
4. SECTIONS FOR FILL SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO FILLING WITH MATERIAL.
5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

20' WIDE ROAD NOTES:

1. LIMITS OF CONSTRUCTION IS WEST OF SANDFIDDLER RD TO OCEAN PEARL RD.
2. ROAD WIDENING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END AND GENERALLY TAKE PLACE ALONG THE CENTERLINE OF THE 30-FOOT-WIDE CLEARING.
 - 2.1. PATHWAY OF WIDENING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
3. ROADS SHALL BE GRADED AND SMOOTH WITH NO POTHOLES OR RUTS.
4. ROADS SHALL BE CROWNED AT THE CENTERLINE WITH A 2% SLOPE OUTWARDS.
 - 4.1. SAND MATERIAL MAY BE PULLED FROM THE SIDES TO FORM THE CROWN BUT SHALL NOT FORM DEPRESSIONS/SWALES DEEPER THAN 12" WITH 3:1 SIDE SLOPE.
5. REMOVE ANY REMAINING ORGANIC AND ROOT MATTER.
 - 5.1. ORGANIC AND ROOT MATTER SHALL BE PROPERLY DISPOSED.
6. EXCESS SAND MATERIAL SHALL NOT BE PILED ON SIDE OF ROAD OR SHOULDER. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.



No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET



RIGHT-OF-WAY CLEARING NOTES:

1. LIMITS OF CLEARING IS SOUTH OF BASS LN TO POMPANO LN.
2. LENGTH OF CLEARANCE: 3,830'
3. RIGHT-OF-WAY SHALL BE CLEARED TO 30' WIDE AND 13' HIGH.
4. CLEARING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END.
 - 4.1. PATHWAY OF CLEARING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
5. VEGETATION AND ROOT MATTER SHALL BE REMOVED AND/OR TRIMMED.
6. HERITAGE TREES WITHIN RIGHT-OF-WAY MY BE REMOVED.
7. PROPER DISPOSAL OF VEGETATION AND ROOT MATTER MAY BE:
 - 7.1. HAULED OFF SITE, OR
 - 7.2. MULCHED AND SPREAD EVENLY ALONG SIDES OF 20-FOOT-WIDE ROADS IN THE CLEARED OR WOODED AREAS WITHIN RIGHT-OF-WAY
 - 7.2.1. MULCH SHALL NOT BE PLACED IN FRONT OF EXISTING DRIVEWAYS
 - 7.3. BURNING IS NOT AUTHORIZED FOR DISPOSAL.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPANO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
3. FILL MATERIAL SHALL BE FREE OF ORGANICS.
4. SECTIONS FOR FILL SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO FILLING WITH MATERIAL.
5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

20' WIDE ROAD NOTES:

1. LIMITS OF CONSTRUCTION IS SOUTH OF BASS LN TO POMPANO LN.
2. ROAD WIDENING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END AND GENERALLY TAKE PLACE ALONG THE CENTERLINE OF THE 30-FOOT-WIDE CLEARING.
 - 2.1. PATHWAY OF WIDENING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
3. ROADS SHALL BE GRADED AND SMOOTH WITH NO POTHOLES OR RUTS.
4. ROADS SHALL BE CROWNED AT THE CENTERLINE WITH A 2% SLOPE OUTWARDS.
 - 4.1. SAND MATERIAL MAY BE PULLED FROM THE SIDES TO FORM THE CROWN BUT SHALL NOT FORM DEPRESSIONS/SWALES DEEPER THAN 12" WITH 3:1 SIDE SLOPE.
5. REMOVE ANY REMAINING ORGANIC AND ROOT MATTER.
 - 5.1. ORGANIC AND ROOT MATTER SHALL BE PROPERLY DISPOSED.
6. EXCESS SAND MATERIAL SHALL NOT BE PILED ON SIDE OF ROAD OR SHOULDER. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.

NO CULVERTS PROPOSED FOR THIS ROAD



ROAD WORK
SWAN ISLAND RD

CAROVA ROADS REPAIR
FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET



RIGHT-OF-WAY CLEARING NOT REQUIRED FOR THIS ROAD


ROAD WIDENING NOT REQUIRED FOR THIS ROAD

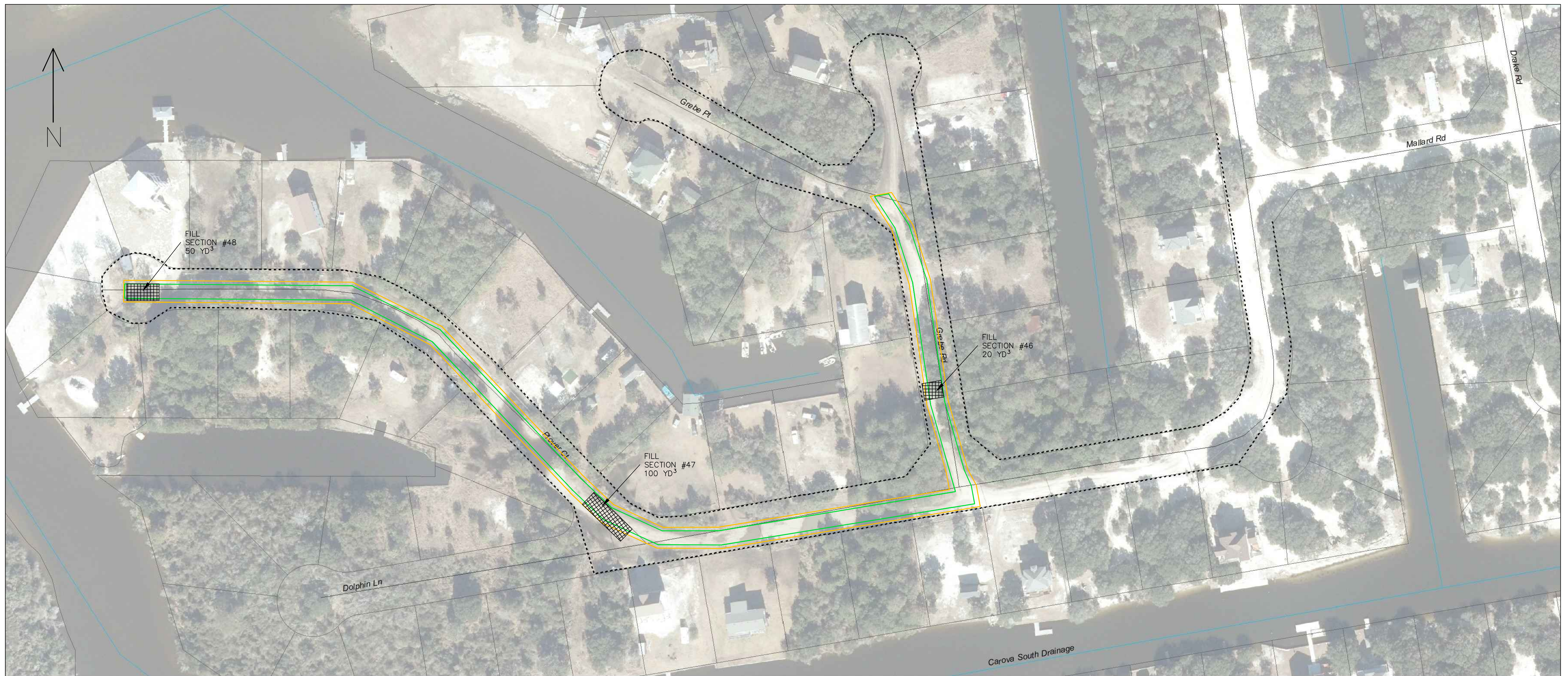
PROPOSED CULVERT NOTES:

1. LOCATION APPROXIMATE. FIELD VERIFICATION REQUIRED FOR FINAL PLACEMENT.
2. TOTAL LENGTH OF CULVERT: 24'
3. SOIL COVER OVER CULVERTS SHALL BE AT LEAST 12"
4. EXPOSED RCP SHALL BE COVERED WITH CLASS A RIP RAP.
5. CULVERT PROTECTION SHALL BE CONSTRUCTED ON INLET AND OUTLET.
 - 5.1. SEE DETAIL SHEET FOR CULVERT INLET/OUTLET PROTECTION DETAILS.
6. AREA FOR CULVERT SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO INSTALLATION.
7. INVERT ELEVATIONS REQUIRE SURVEYING FOR CULVERT PLACEMENT. ELEVATIONS MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
 - 7.1. SEE DETAIL SHEET FOR INLET AND OUTLET INVERT SCHEDULE.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPANO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
3. FILL MATERIAL SHALL BE FREE OF ORGANICS.
4. SECTIONS FOR FILL SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO FILLING WITH MATERIAL.
5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

	
Engineering Department 153 Courthouse Rd, Suite 302 Currituck, NC 27958	
ROAD WORK RED SNAPPER LN	
CAROVA ROADS REPAIR FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA	
No.	Description
1	BID/CONSTRUCTION SET
SCALE: NTS SHEET C-04	



RIGHT-OF-WAY CLEARING NOTES:

1. LIMITS OF CLEARING IS DOLPHIN LN AND GREBE RD INTERSECTION TO THE END OF PLOVER CT AND BEGINNING OF GREBE PT.
2. LENGTH OF CLEARANCE:
 - 2.1. DOLPHIN LANE: 440'
 - 2.2. GREBE ROAD: 420'
 - 2.3. PLOVER COURT: 840'
3. RIGHT-OF-WAY SHALL BE CLEARED TO 30' WIDE AND 13' HIGH.
4. CLEARING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END.
 - 4.1. PATHWAY OF CLEARING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
5. VEGETATION AND ROOT MATTER SHALL BE REMOVED AND/OR TRIMMED.
6. HERITAGE TREES WITHIN RIGHT-OF-WAY MY BE REMOVED.
7. PROPER DISPOSAL OF VEGETATION AND ROOT MATTER MAY BE:
 - 7.1. HAULED OFF SITE, OR
 - 7.2. MULCHED AND SPREAD EVENLY ALONG SIDES OF 20-FOOT-WIDE ROADS IN THE CLEARED OR WOODED AREAS WITHIN RIGHT-OF-WAY
 - 7.2.1. MULCH SHALL NOT BE PLACED IN FRONT OF EXISTING DRIVEWAYS
 - 7.3. BURNING IS NOT AUTHORIZED FOR DISPOSAL.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPANO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
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5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

20' WIDE ROAD NOTES:

1. LIMITS OF CONSTRUCTION IS DOLPHIN LN AND GREBE RD INTERSECTION TO THE END OF PLOVER CT AND BEGINNING OF GREBE PT.
2. ROAD WIDENING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END AND GENERALLY TAKE PLACE ALONG THE CENTERLINE OF THE 30-FOOT-WIDE CLEARING.
 - 2.1. PATHWAY OF WIDENING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
3. ROADS SHALL BE GRADED AND SMOOTH WITH NO POTHOLES OR RUTS.
4. ROADS SHALL BE CROWNED AT THE CENTERLINE WITH A 2% SLOPE OUTWARDS.
 - 4.1. SAND MATERIAL MAY BE PULLED FROM THE SIDES TO FORM THE CROWN BUT SHALL NOT FORM DEPRESSIONS/SWALES DEEPER THAN 12" WITH 3:1 SIDE SLOPE.
5. REMOVE ANY REMAINING ORGANIC AND ROOT MATTER.
 - 5.1. ORGANIC AND ROOT MATTER SHALL BE PROPERLY DISPOSED.
6. EXCESS SAND MATERIAL SHALL NOT BE PILED ON SIDE OF ROAD OR SHOULDER. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.

NO CULVERTS PROPOSED ON THESE ROADS

Engineering Department
 153 Courthouse Rd, Suite 302
 Currituck, NC 27958

ROAD WORK
 DOLPHIN LN, GREBE
 RD, PLOVER CT

CAROVA ROADS REPAIR
 FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

SCALE: NTS
 SHEET C-05



RIGHT-OF-WAY CLEARING NOTES:

1. LIMITS OF CLEARING IS FROM EGRET PL INTERSECTION TO THE WEST END OF SWAN RD.
2. LENGTH OF CLEARANCE: 630'
3. RIGHT-OF-WAY SHALL BE CLEARED TO 30' WIDE AND 13' HIGH.
4. CLEARING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END.
 - 4.1. PATHWAY OF CLEARING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
5. VEGETATION AND ROOT MATTER SHALL BE REMOVED AND/OR TRIMMED.
6. HERITAGE TREES WITHIN RIGHT-OF-WAY MY BE REMOVED.
7. PROPER DISPOSAL OF VEGETATION AND ROOT MATTER MAY BE:
 - 7.1. HAULED OFF SITE, OR
 - 7.2. MULCHED AND SPREAD EVENLY ALONG SIDES OF 20-FOOT-WIDE ROADS IN THE CLEARED OR WOODED AREAS WITHIN RIGHT-OF-WAY
 - 7.2.1. MULCH SHALL NOT BE PLACED IN FRONT OF EXISTING DRIVEWAYS
 - 7.3. BURNING IS NOT AUTHORIZED FOR DISPOSAL.

FILL MATERIAL NOTES:

1. FILL MATERIAL TO BE PLACED AND EVENLY SPREAD AND GRADED WITHIN THE IDENTIFIED FILL SECTIONS AND/OR VOIDS CAUSED BY THE REMOVAL OF VEGETATION, ROOT-MATTER, AND EXISTING CULVERTS.
2. FILL MATERIAL MAY BE CUT MATERIAL FROM THE IDENTIFIED AREAS ON SANDFIDDLER ROAD AND POMPAÑO LANE AND/OR EXCESS NATIVE MATERIAL FROM ROAD GRADING WORK.
3. FILL MATERIAL SHALL BE FREE OF ORGANICS.
4. SECTIONS FOR FILL SHALL BE DRY AND FREE OF STANDING WATER PRIOR TO FILLING WITH MATERIAL.
5. EXCESS MATERIAL REMAINING FROM ROAD GRADING WORK MAY BE USED FOR LOW AREAS ON ROADS ASSOCIATED WITH THIS PROJECT.
 - 5.1. NO EXCESS MATERIAL SHALL REMAIN ON SIDE OF ROAD OR SHOULDER
6. SEE DETAIL SHEET FOR FILL MATERIAL SCHEDULE.

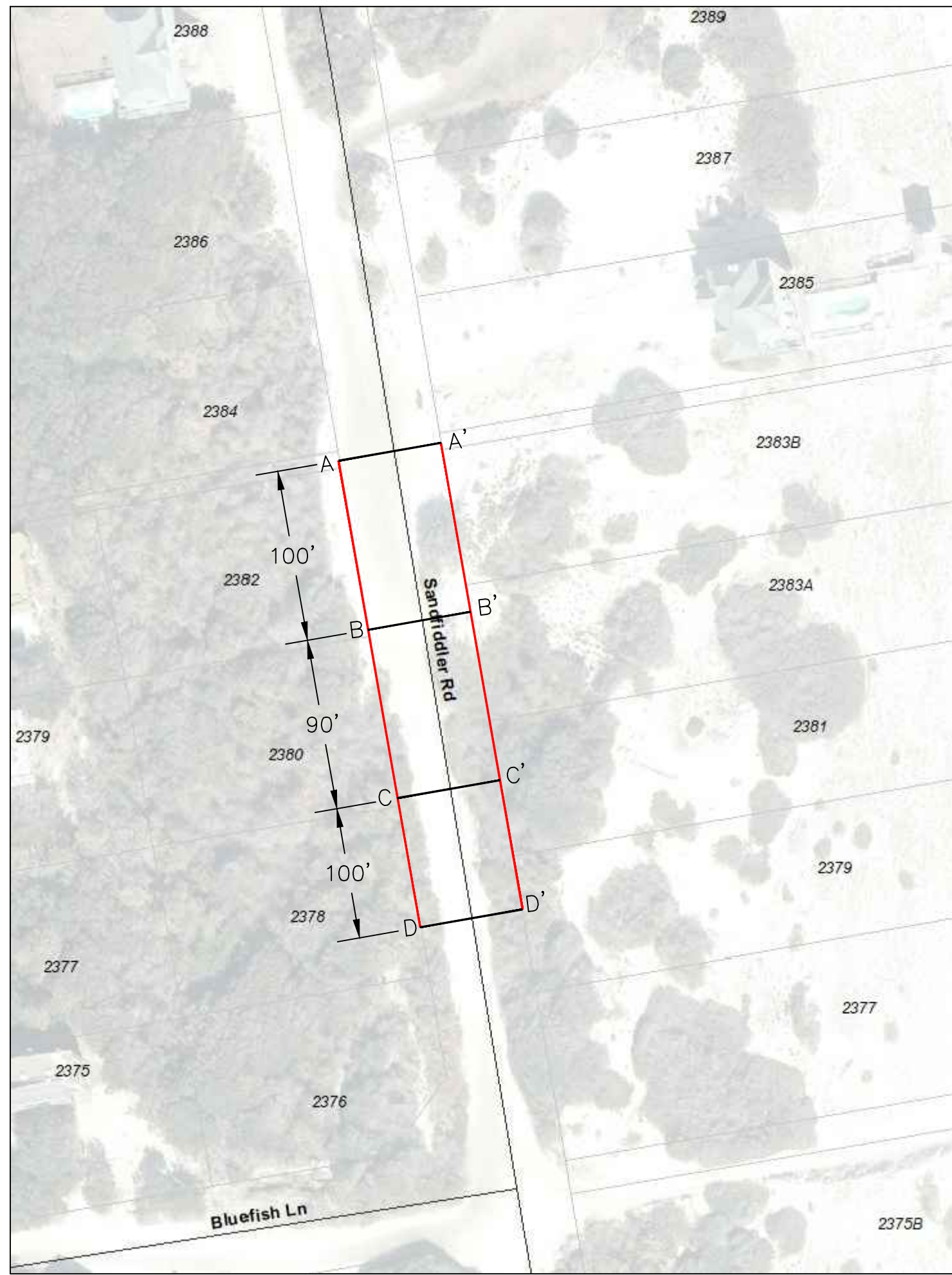
20' WIDE ROAD NOTES:

1. LIMITS OF CONSTRUCTION IS FROM EGRET PL INTERSECTION TO THE WEST END OF SWAN RD.
2. ROAD WIDENING SHOULD BE AS STRAIGHT AS POSSIBLE FROM EACH ROAD END AND GENERALLY TAKE PLACE ALONG THE CENTERLINE OF THE 30-FOOT-WIDE CLEARING.
 - 2.1. PATHWAY OF WIDENING MAY BE ADJUSTED UPON APPROVAL FROM COUNTY STAFF.
3. ROADS SHALL BE GRADED AND SMOOTH WITH NO POTHOLES OR RUTS.
4. ROADS SHALL BE CROWNED AT THE CENTERLINE WITH A 2% SLOPE OUTWARDS.
 - 4.1. SAND MATERIAL MAY BE PULLED FROM THE SIDES TO FORM THE CROWN BUT SHALL NOT FORM DEPRESSIONS/SWALES DEEPER THAN 12" WITH 3:1 SIDE SLOPE.
5. REMOVE ANY REMAINING ORGANIC AND ROOT MATTER.
 - 5.1. ORGANIC AND ROOT MATTER SHALL BE PROPERLY DISPOSED.
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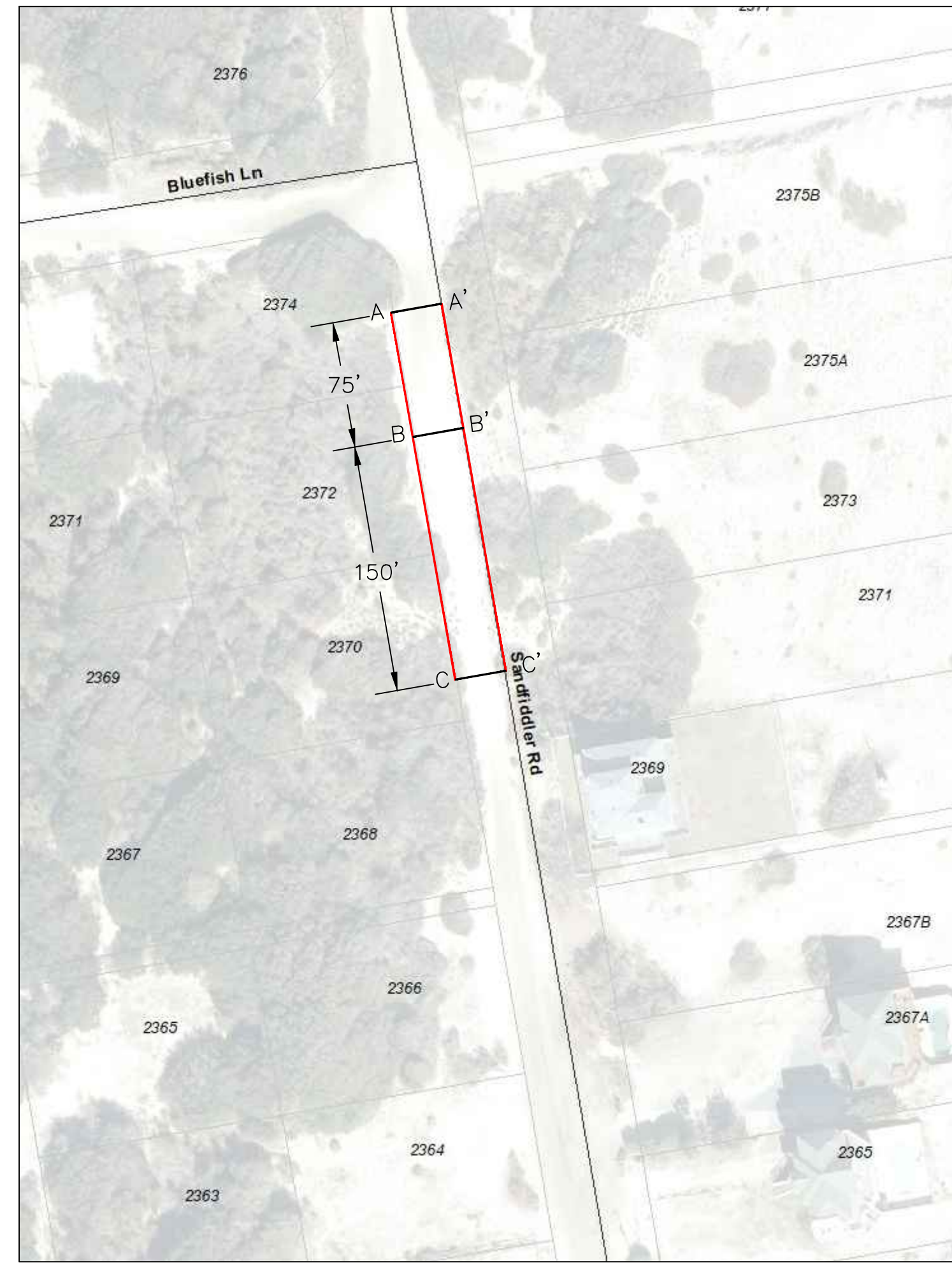
NO CULVERTS PROPOSED ON THESE ROADS



No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET



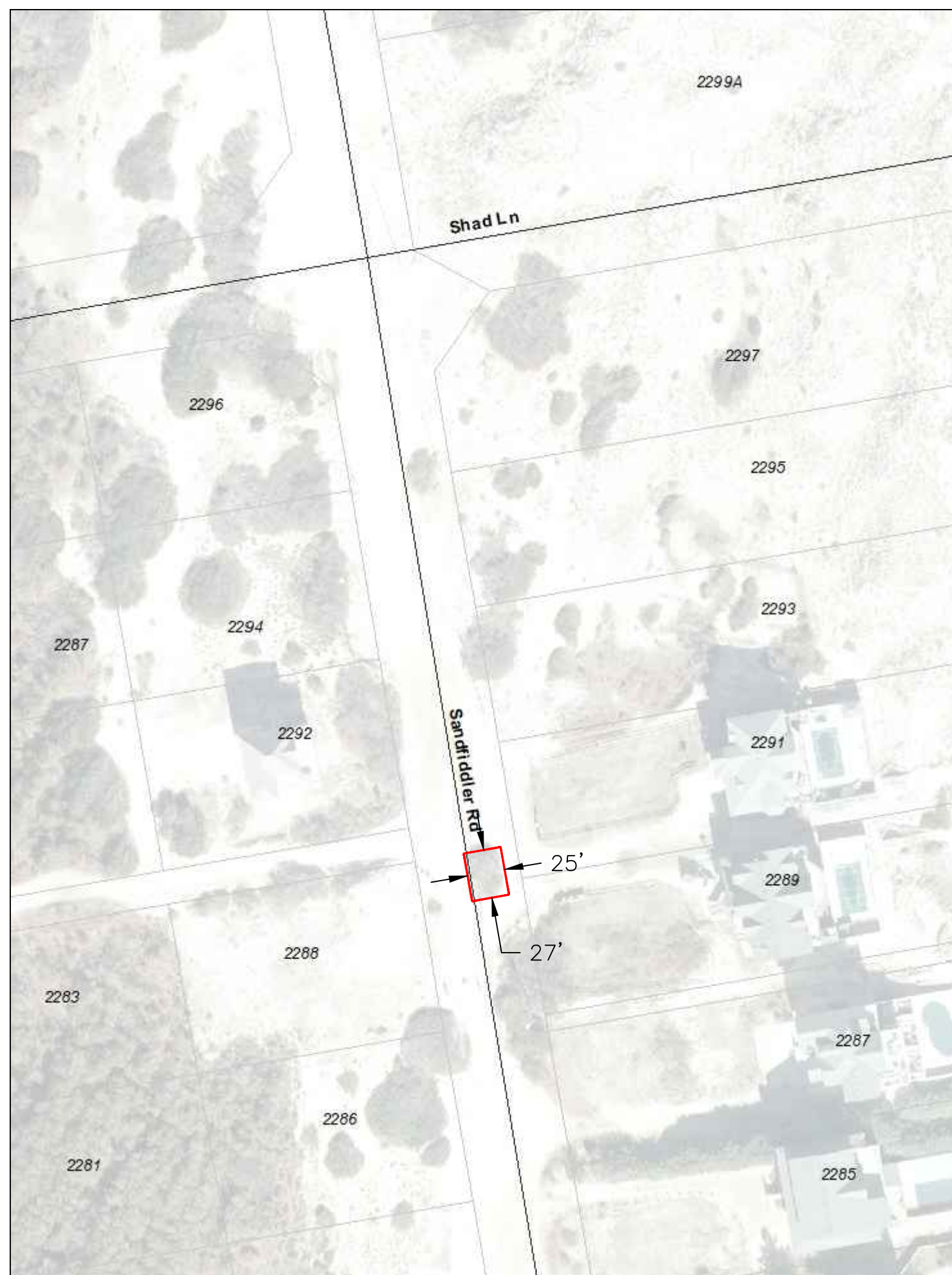
CUT SECTION #1



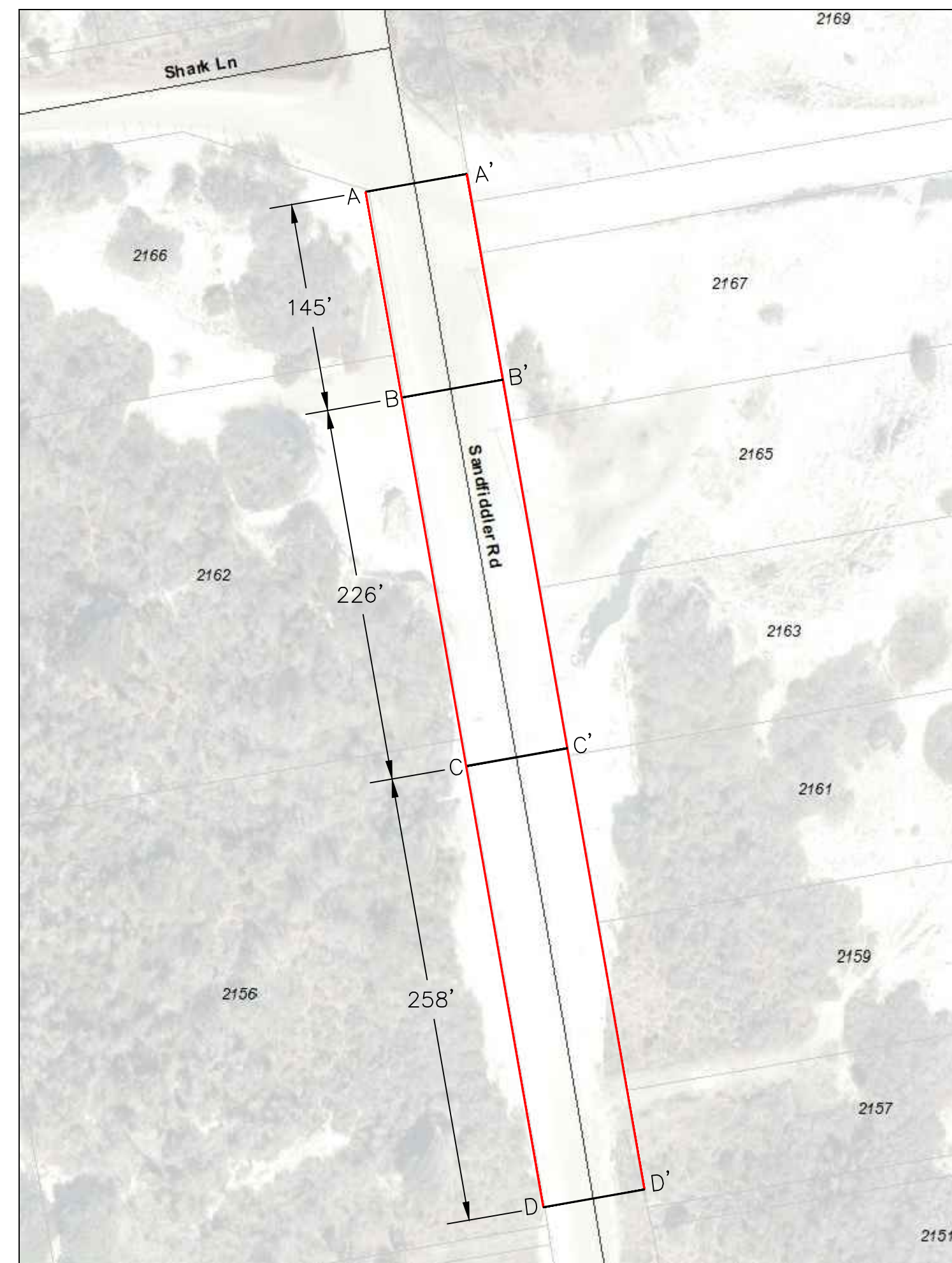
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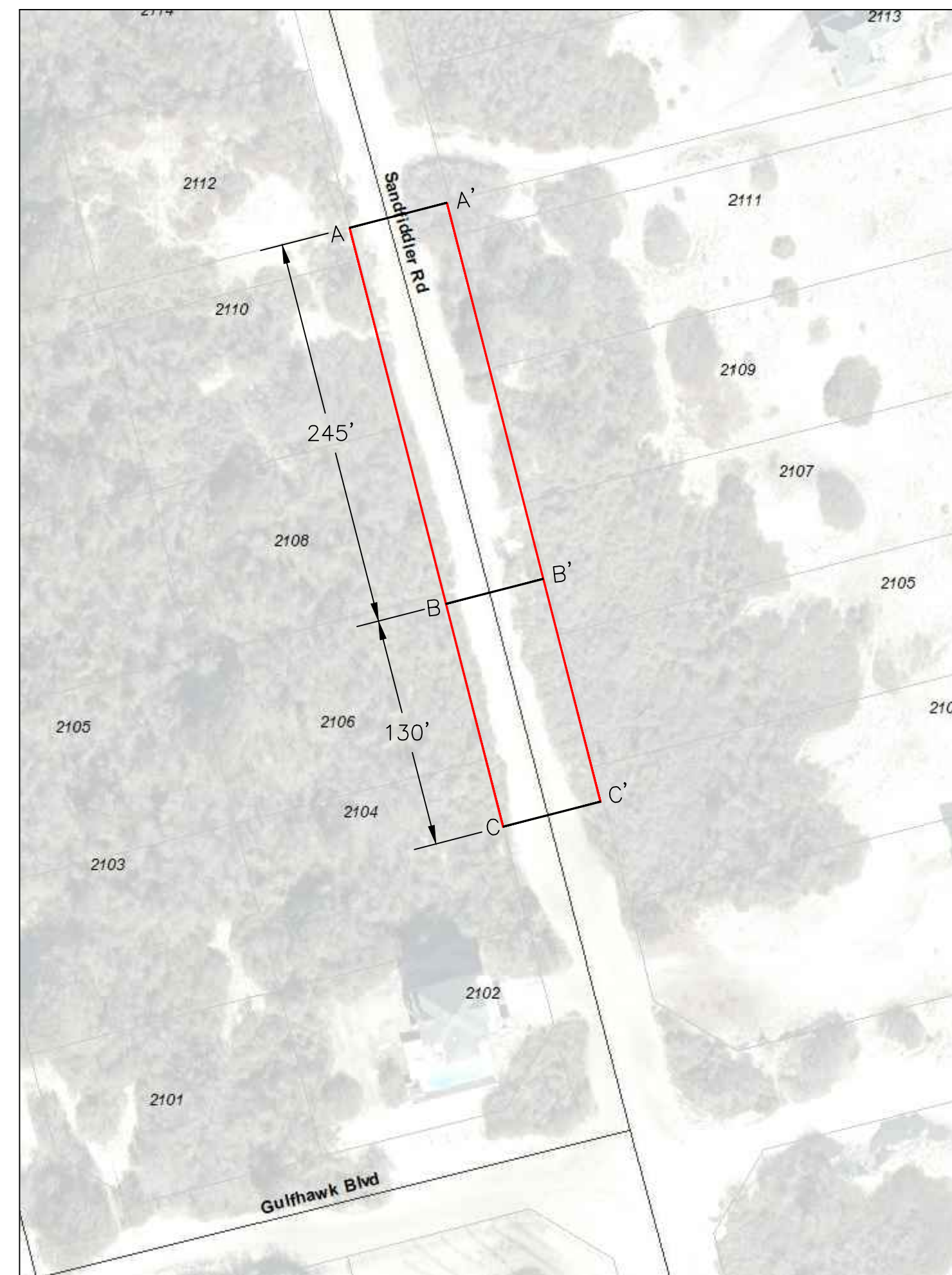
CUT SECTION #3



CUT SECTION #4



CUT SECTION #5



CUT SECTION #6

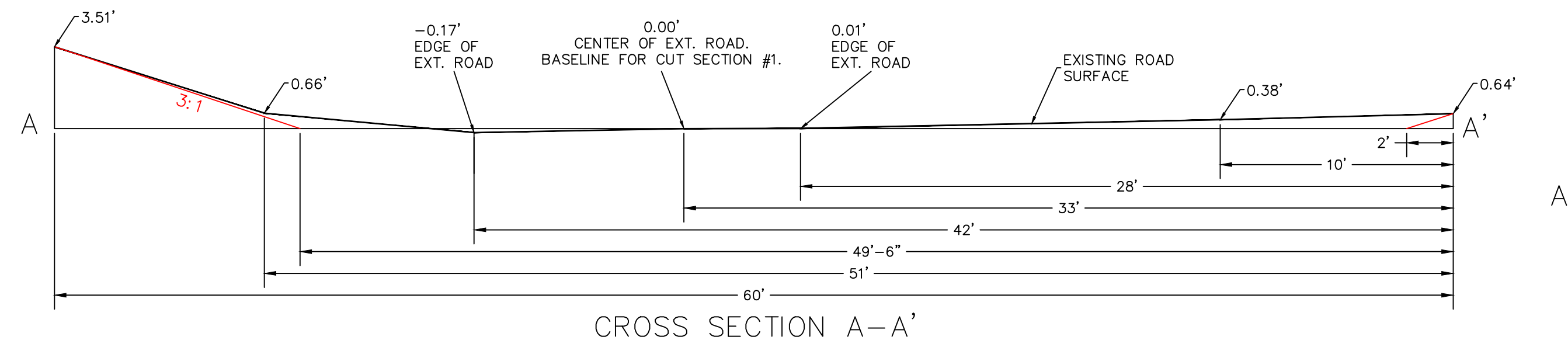
NOTES:

1. SANDFIDDLER ROAD RIGHT-OF-WAY: 60'
2. EDGES OF RIGHT-OF-WAY IDENTIFIED BY EXISTING POWER POLES AND UTILITY PEDESTALS.
3. CONTRACTOR IS RESPONSIBLE FOR ACCURATELY IDENTIFYING RIGHT-OF-WAY.
4. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL MEASURES

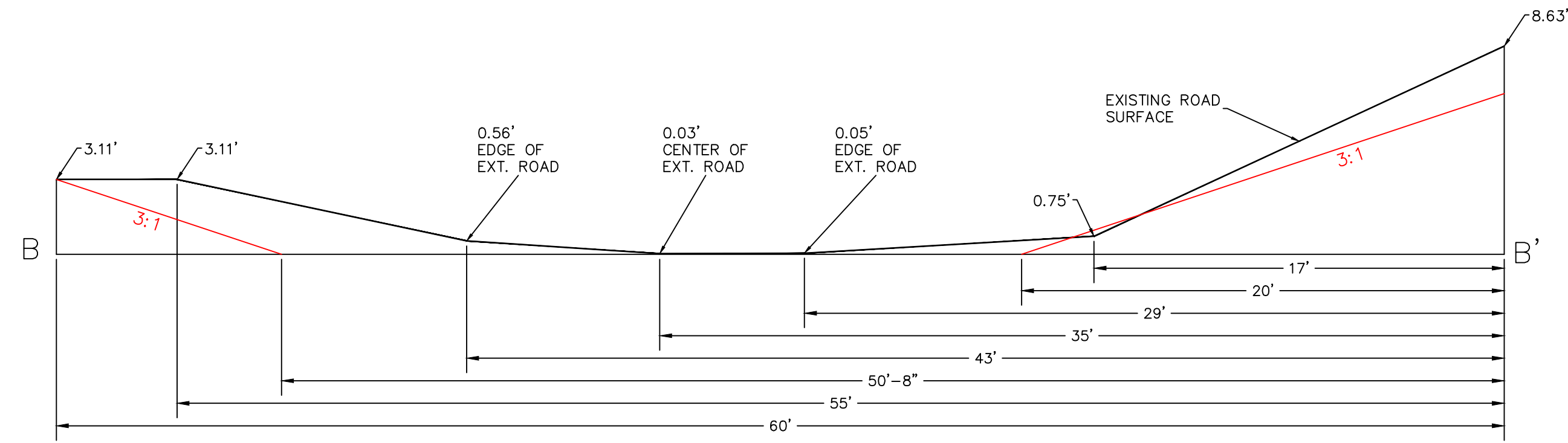


No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

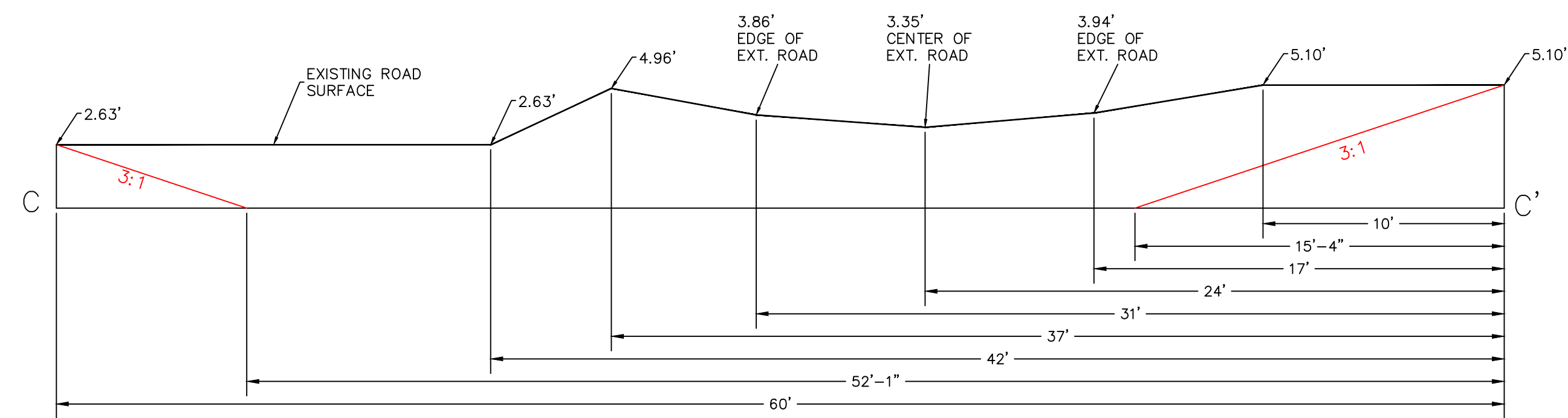
CUT SECTION #1



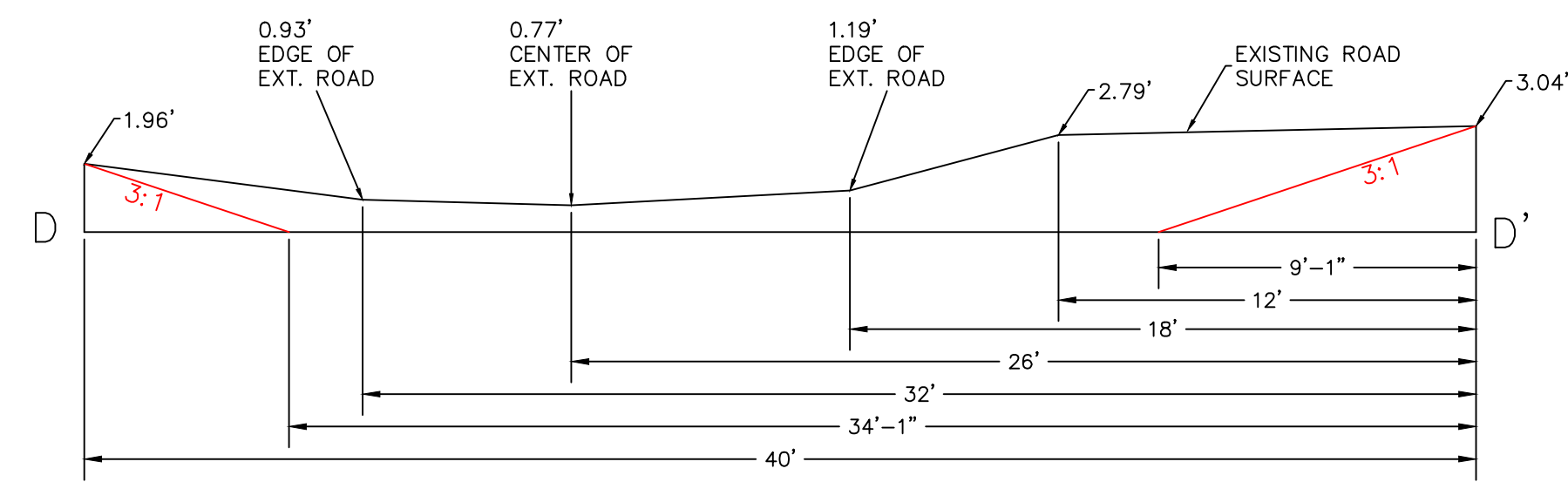
CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'

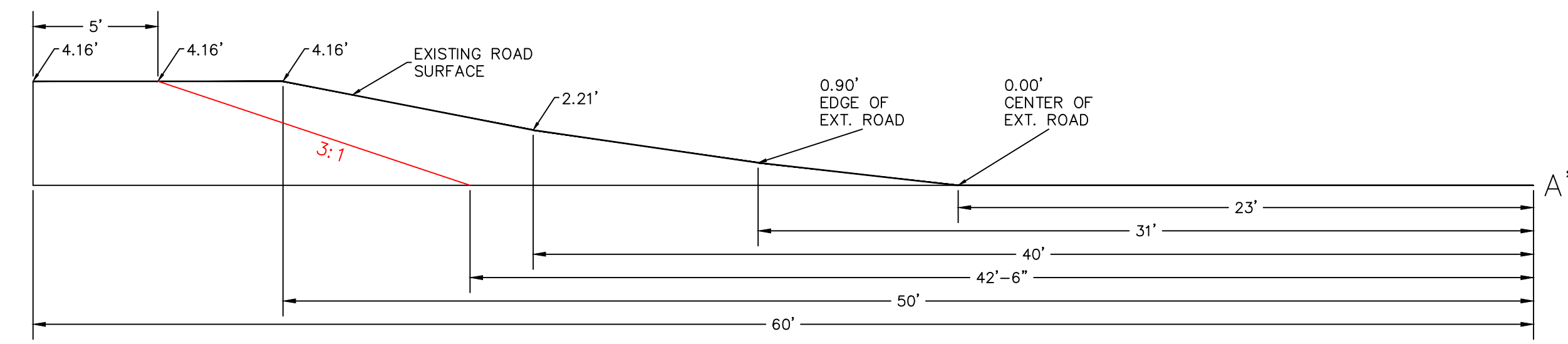


CROSS SECTION D-D'

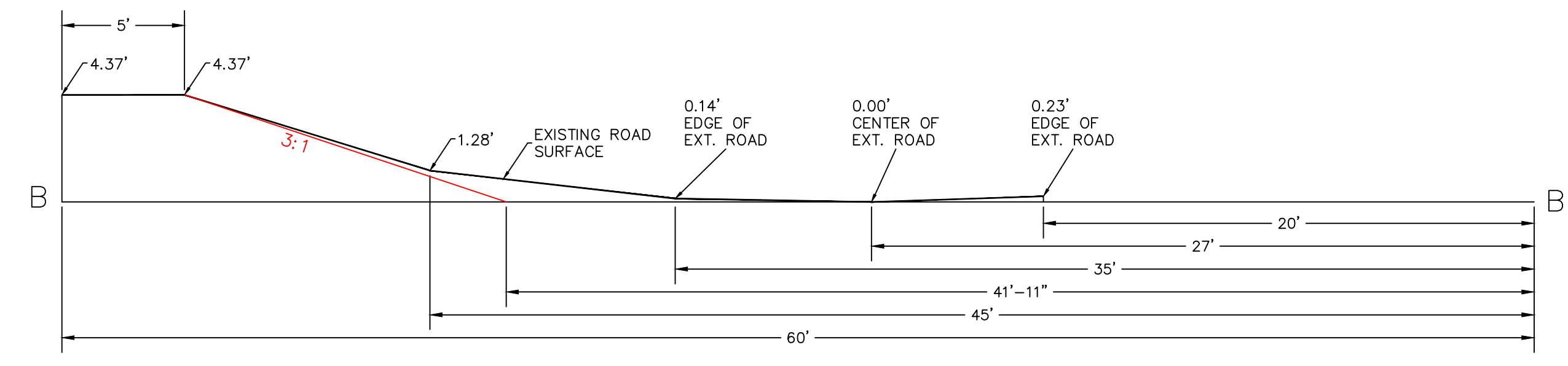
CUT SECTION #1 NOTES:

1. HORIZONTAL MEASUREMENTS START AT EAST EDGE OF RIGHT-OF-WAY
2. ROAD ELEVATIONS RELATIVE TO BASELINE OF CROSS SECTION A-A'
3. MATERIAL TO BE CUT TO EDGES OF RIGHT-OF-WAY
4. FINISH SIDE SLOPE SHALL BE 3:1
5. VEGETATION ENCOUNTERED WITHIN CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
8. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
9. ESTIMATED MATERIAL VOLUME: 889 YD³

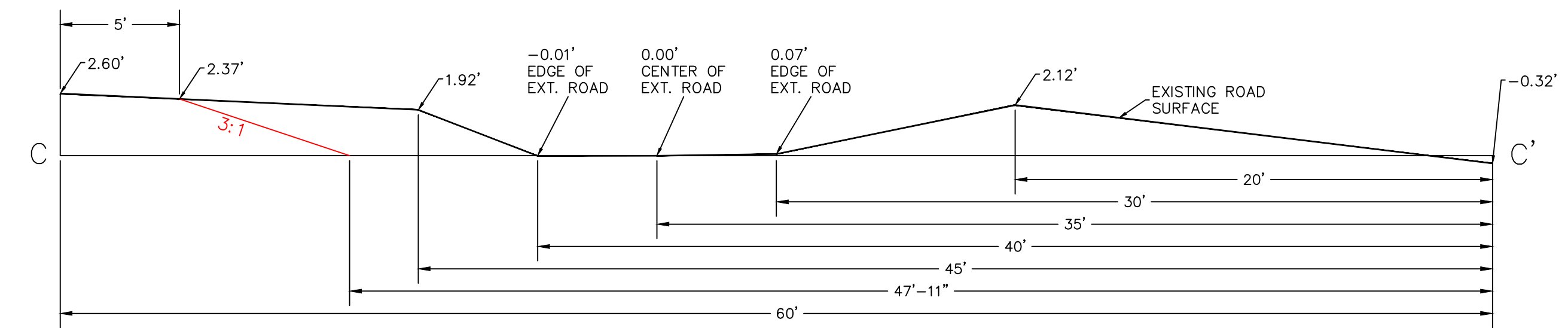
CUT SECTION #2



CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'

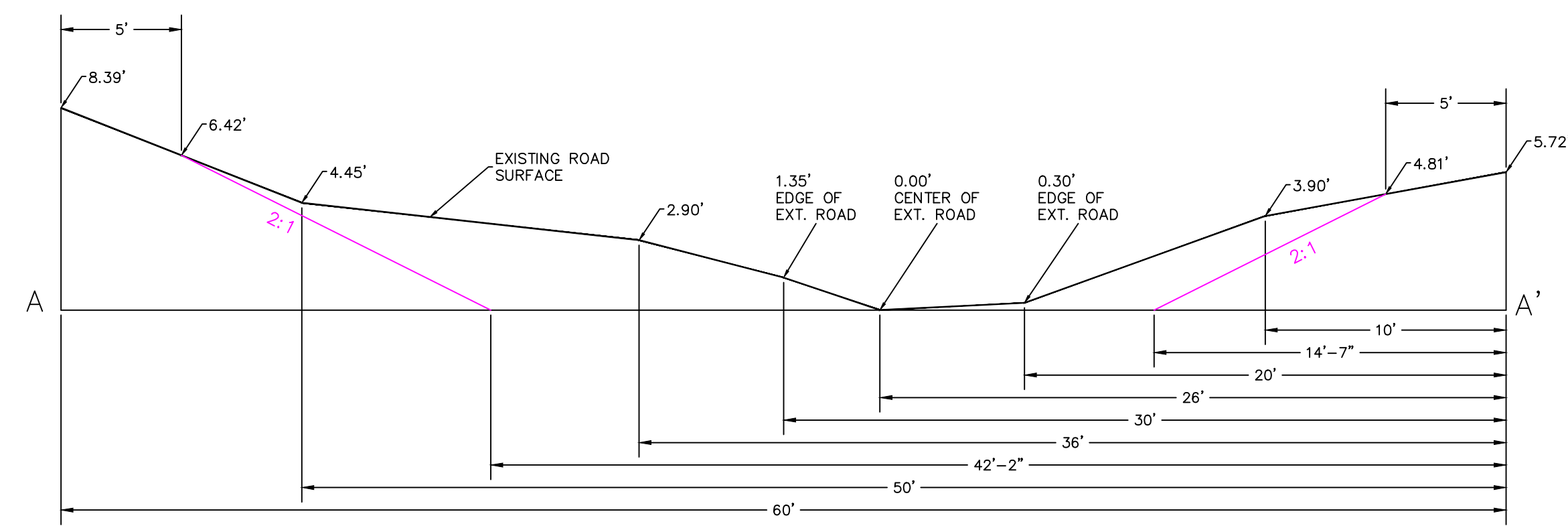
CUT SECTION #2 NOTES:

1. HORIZONTAL MEASUREMENTS START AT EAST EDGE OF RIGHT-OF-WAY
2. ROAD ELEVATIONS RELATIVE TO CENTER OF EXISTING ROAD ELEVATION FOR EACH CROSS SECTION
3. CUT TO OCCUR ONLY ON WEST SIDE OF RIGHT-OF-WAY.
4. MATERIAL TO BE CUT WILL BEGIN 5 FEET FROM EDGE OF RIGHT-OF-WAY
5. FINISH SIDE SLOPE SHALL BE 3:1
6. VEGETATION ENCOUNTERED WITHIN CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
8. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
9. ESTIMATED MATERIAL VOLUME: 141 YD³

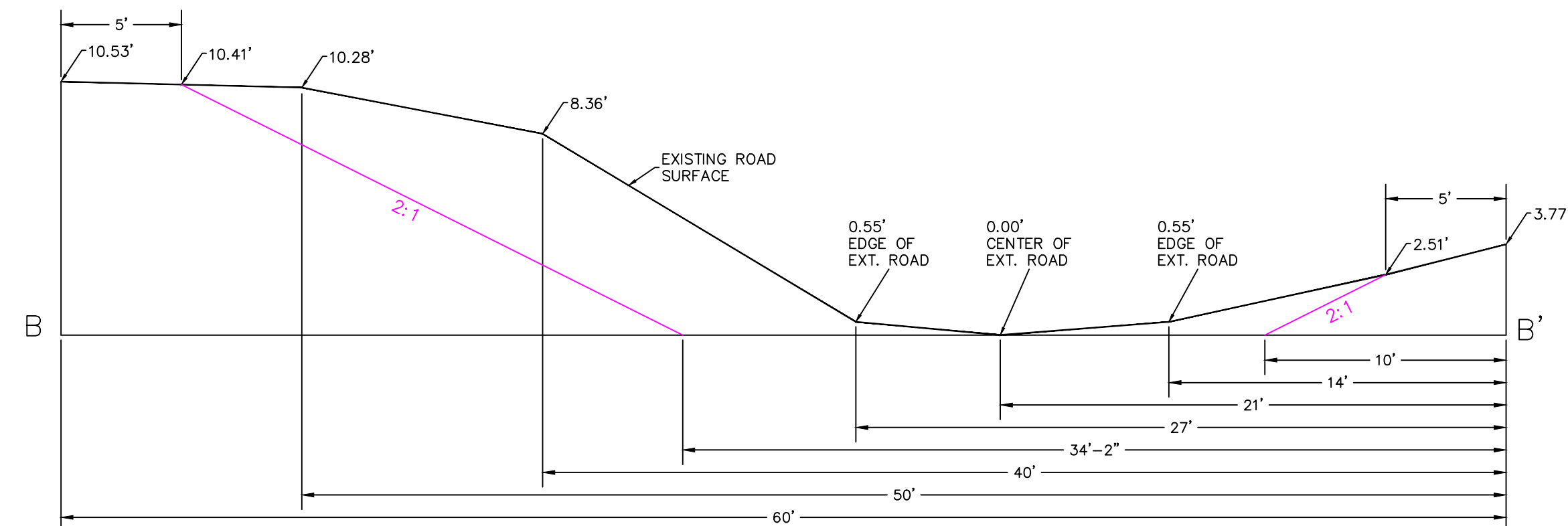


No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

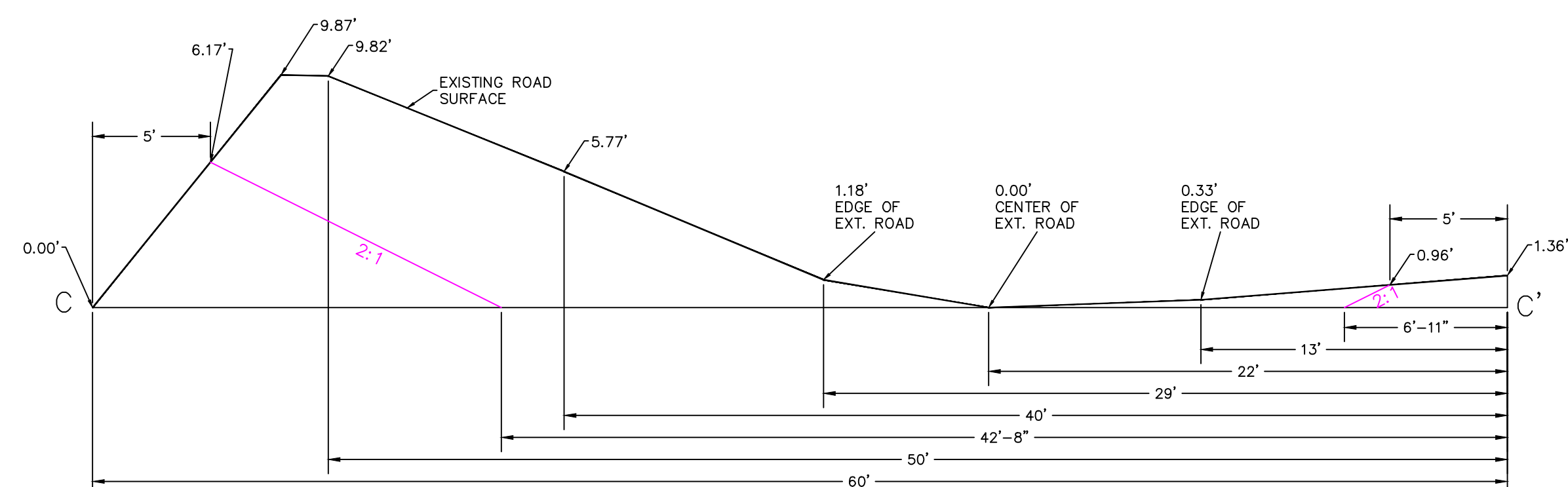
CUT SECTION #3



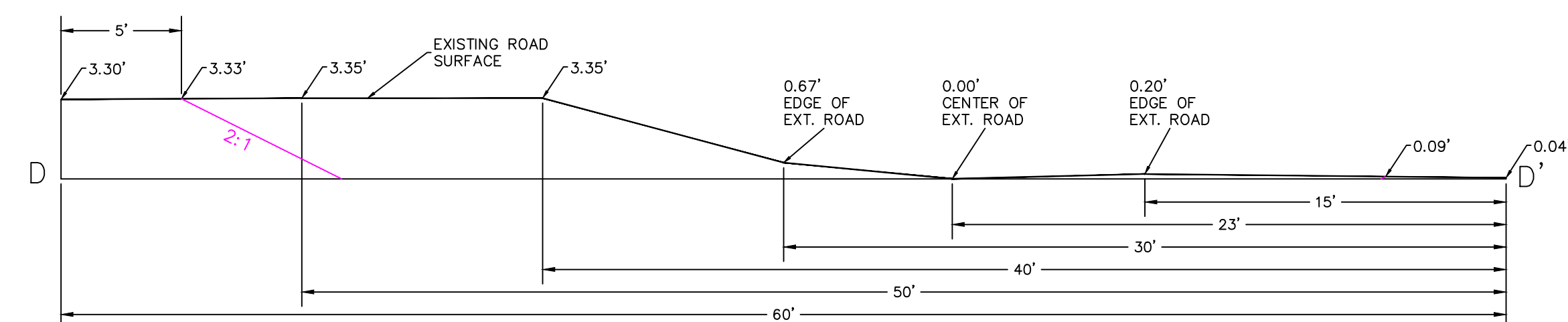
CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'

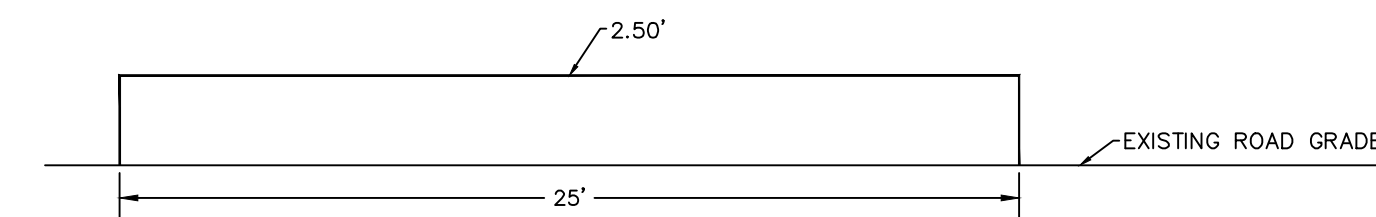


CROSS SECTION D-D'

CUT SECTION #3 NOTES:

1. HORIZONTAL MEASUREMENTS START AT EAST EDGE OF RIGHT-OF-WAY
2. ROAD ELEVATIONS RELATIVE TO CENTER OF EXISTING ROAD FOR EACH CROSS SECTION
3. MATERIAL TO BE CUT WILL BEGIN 5 FEET FROM EDGE OF RIGHT-OF-WAY
4. FINISH SIDE SLOPE SHALL BE 2:1
5. VEGETATION ENCOUNTERED WITHIN CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
6. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
8. ESTIMATED MATERIAL VOLUME: 1,162 YD³

CUT SECTION #4



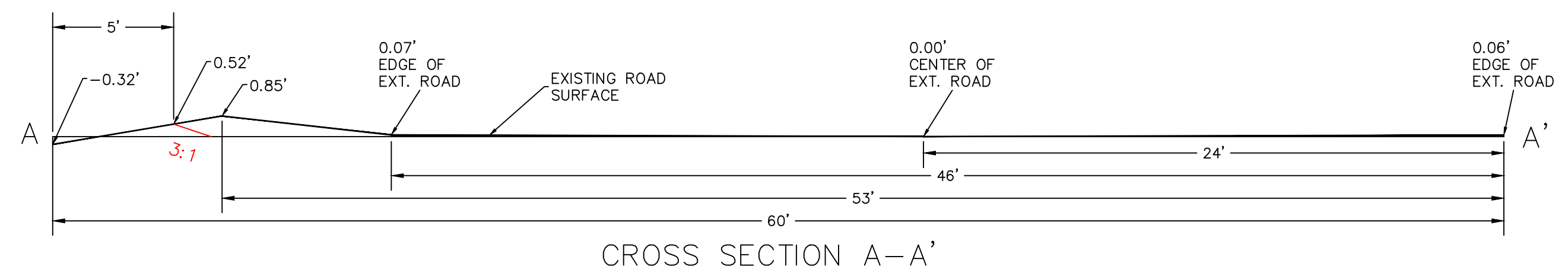
CUT SECTION #4 NOTES:

1. EXISTING MOUND ON EASTERN SIDE OF RIGHT-OF-WAY IN FRONT OF 2289/2291 SANDFIDDLER RD.
2. DEPTH OF CUT SHALL BE TO THE EXISTING GRADE SURROUNDING THE MOUND.
3. VEGETATION ENCOUNTERED ON CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
4. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
5. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
6. ESTIMATED MATERIAL VOLUME: 63 YD³

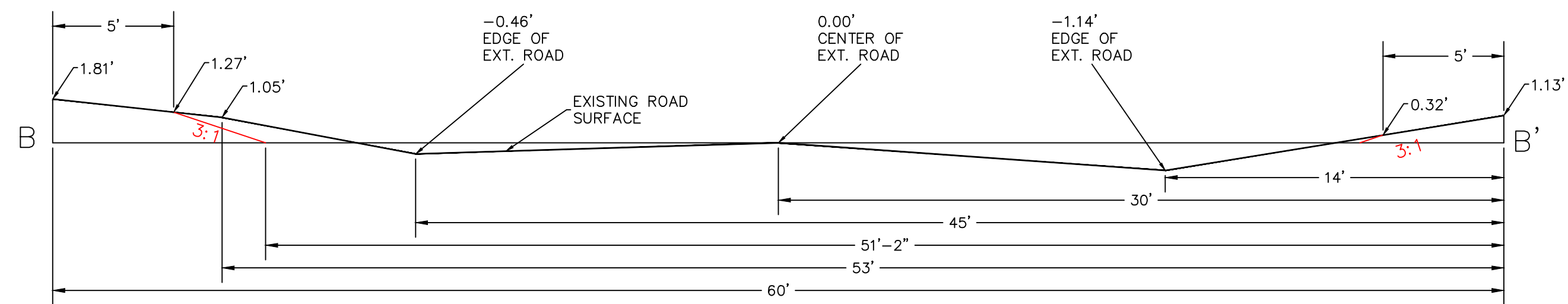


No.	Date	Description
1	11/24/2020	BID/CONSTRUCTION SET

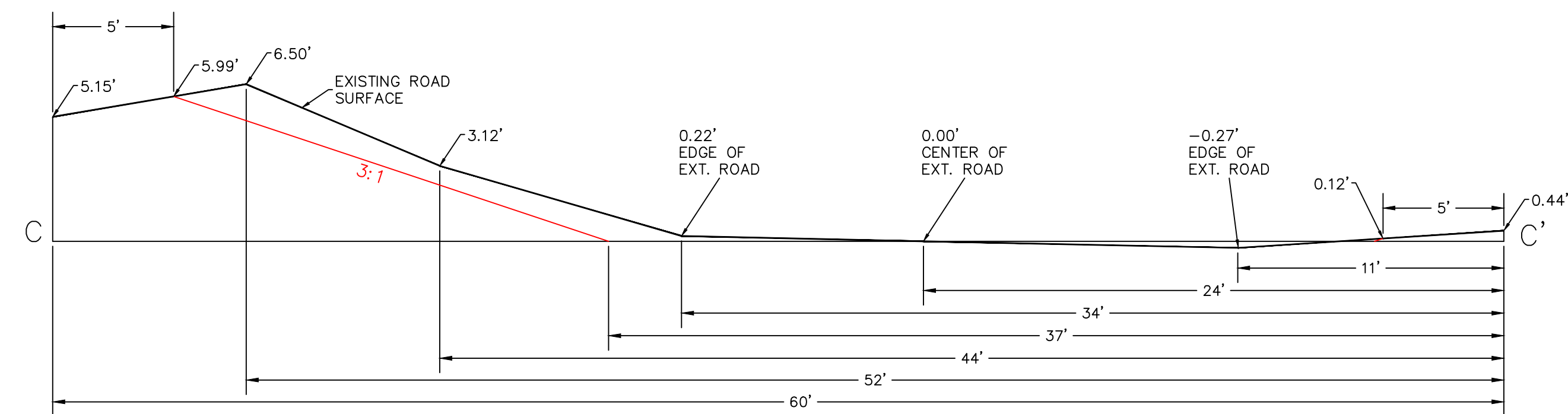
CUT SECTION #5



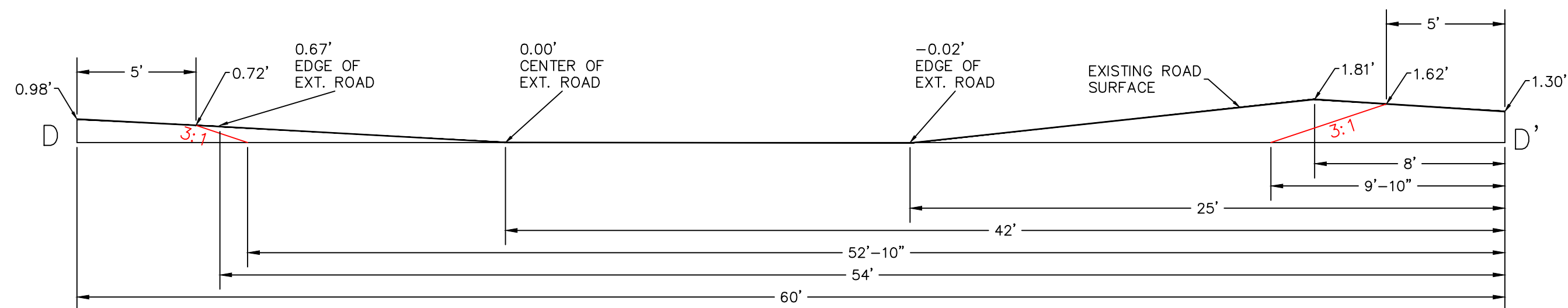
CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'

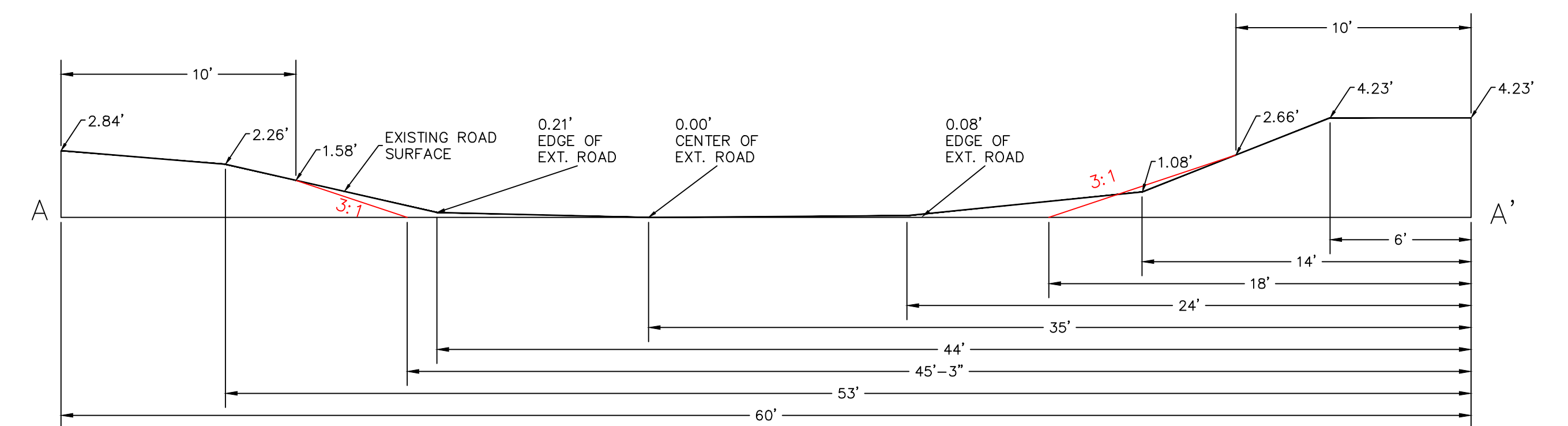


CROSS SECTION D-D'

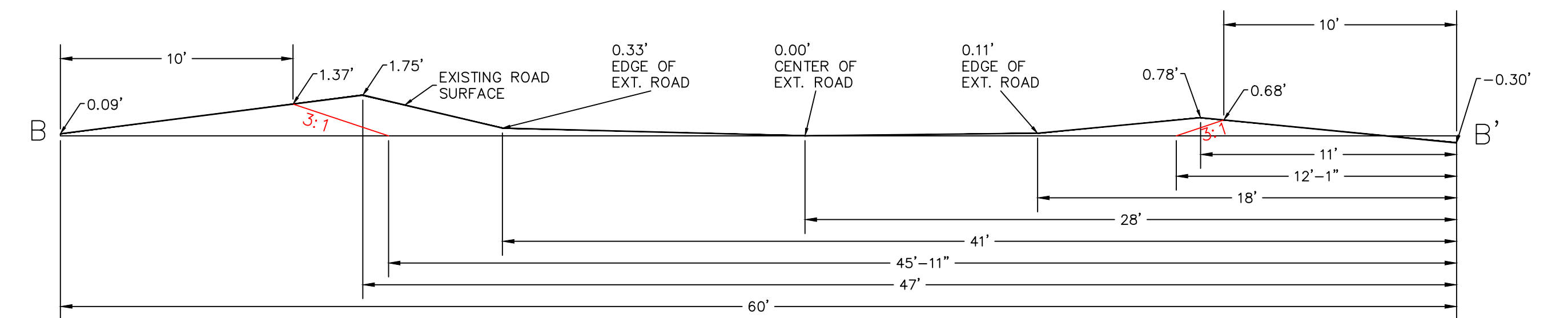
CUT SECTION #5 NOTES:

1. HORIZONTAL MEASUREMENTS START AT EAST EDGE OF RIGHT-OF-WAY
2. ROAD ELEVATIONS RELATIVE TO CENTER OF EXISTING ROAD FOR EACH CROSS SECTION
3. MATERIAL TO BE CUT WILL BEGIN 5 FEET FROM EDGE OF RIGHT-OF-WAY
4. FINISH SIDE SLOPE SHALL OF 3:1 SHALL BE TO THE EDGE OF THE RIGHT-OF-WAY
5. VEGETATION ENCOUNTERED WITHIN CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
6. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE RIGHT-OF-WAY.
7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
8. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
9. ESTIMATED MATERIAL VOLUME: 183 YD³

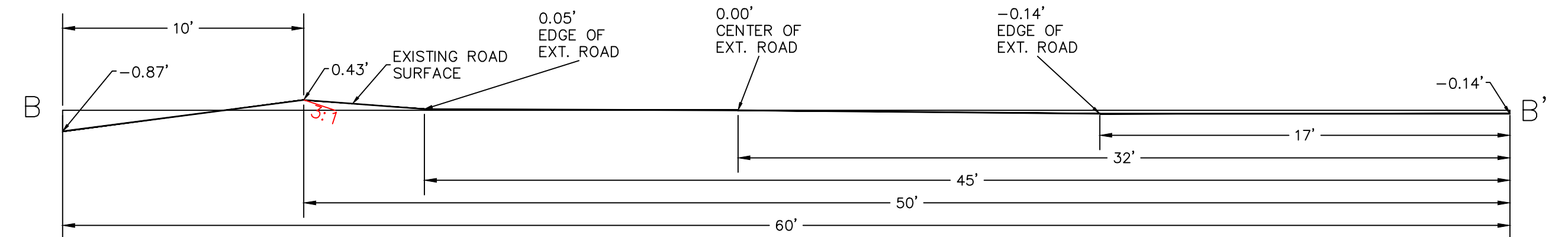
CUT SECTION #6



CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'

CUT SECTION #6 NOTES:

1. HORIZONTAL MEASUREMENTS START AT EAST EDGE OF RIGHT-OF-WAY
2. ROAD ELEVATIONS RELATIVE TO CENTER OF EXISTING ROAD FOR EACH CROSS SECTION
3. MATERIAL TO BE CUT IS 10 FEET FROM EDGES OF RIGHT-OF-WAY
4. FINISH SIDE SLOPE SHALL BE 3:1
5. VEGETATION ENCOUNTERED WITHIN CUT SECTION SHALL BE REMOVED AND PROPERLY DISPOSED.
6. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING RIGHT-OF-WAY BOUNDARIES.
7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING UNDERGROUND UTILITIES.
8. ESTIMATED MATERIAL VOLUME: 120 YD³



Description

BID/CONSTRUCTION SET

Date

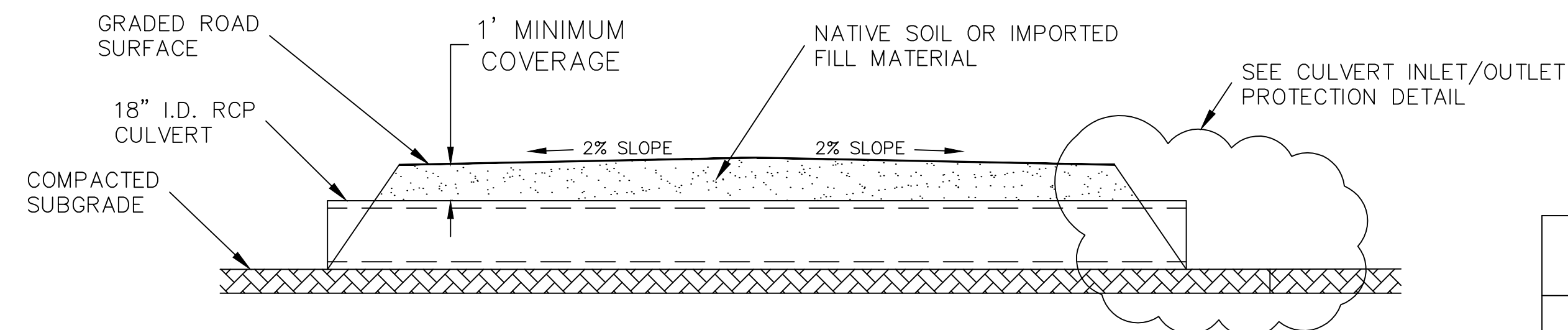
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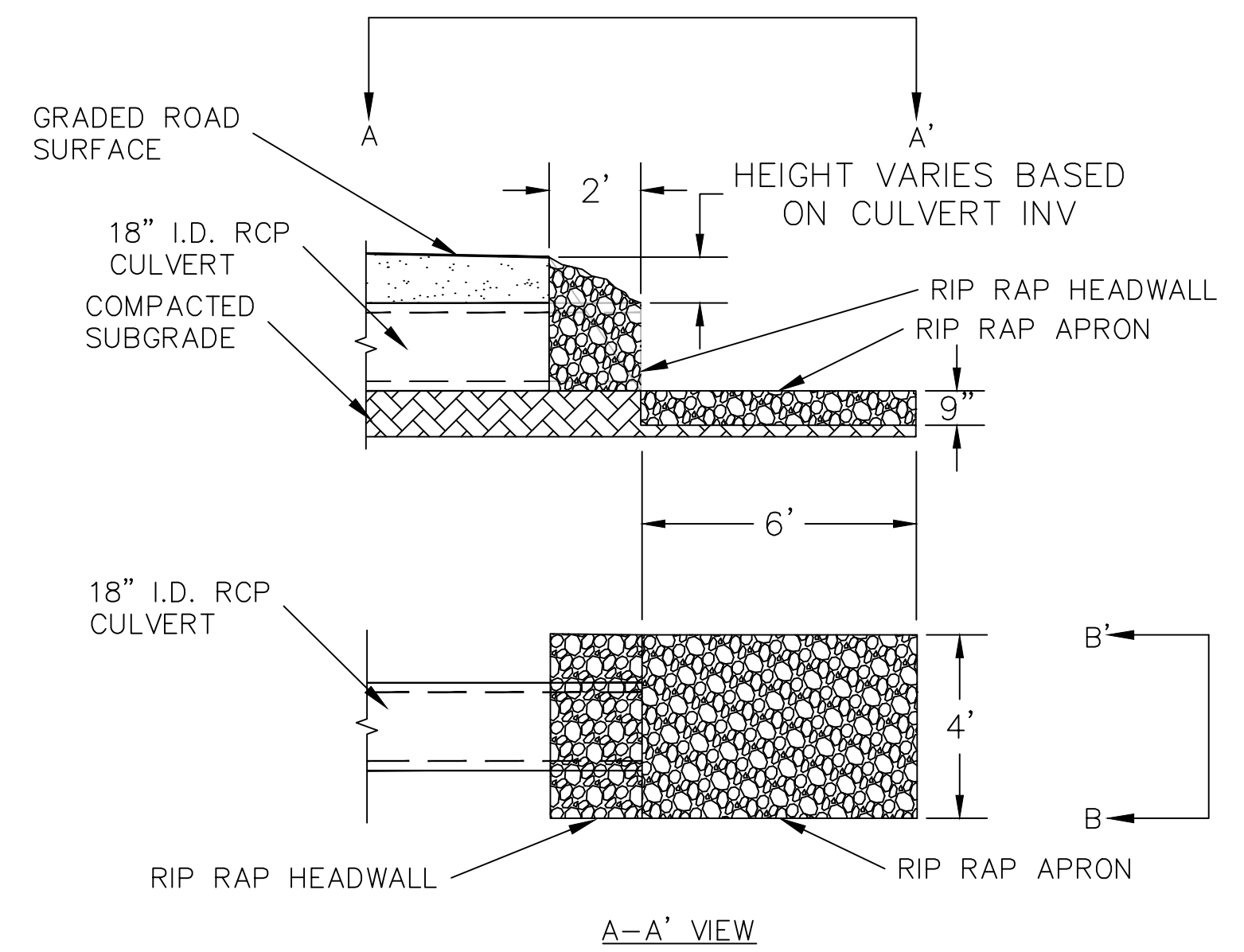
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SCALE: NTS

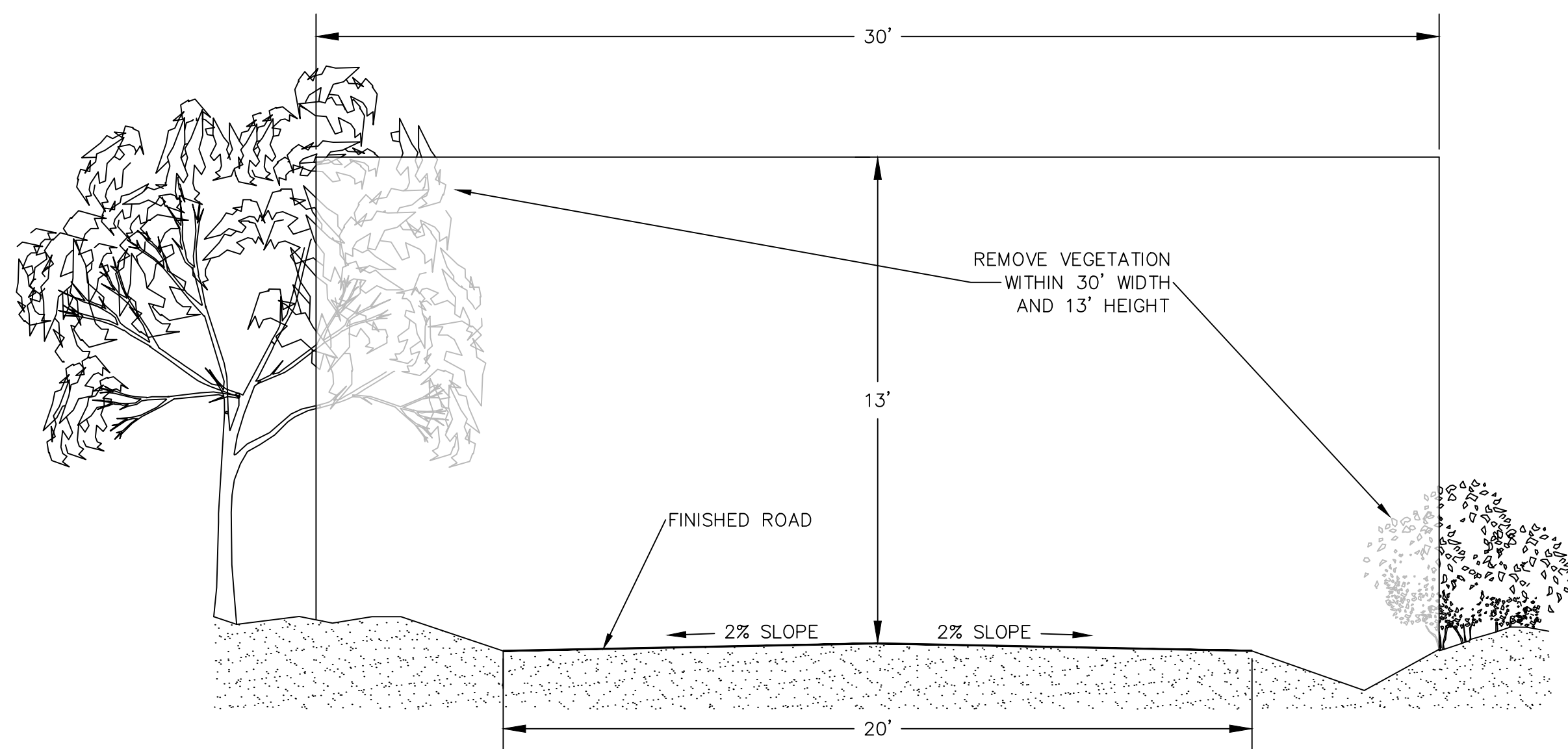
SHEET C-10



24' CULVERT
DETAIL



CULVERT AND INLET/OUTLET
PROTECTION DETAIL



RIGHT-OF-WAY AND
ROAD WIDENING
DETAIL

NOTES:

- 1) RIP RAP MATERIAL IS CLASS A. STONE SIZE RANGE IS 2" - 6"
- 2) CULVERT INLETS ARE LOCATED ON THE SOUTH SIDE OF BASS LN, POMPANO LN, AND RED SNAPPER LN.
- 3) NCGS BENCHMARK LOCATED ON SANDFIDDLER RD (SEE SITE MAP SHEET).

CULVERT INVERT SCHEDULE		
CULVERT	INLET ELEVATION	OUTLET ELEVATION
1	1.83'	1.74'
2	1.15'	1.00'
3	1.65'	1.50'
4	2.78'	2.50'
5	2.56'	2.40'
6	2.65'	2.40'
7	1.83'	1.74'
8	1.15'	1.00'
9	3.60'	3.30'

FILL MATERIAL SCHEDULE

SECTION	VOLUME (YD ³)	LOCATION	TOTAL VOLUME PER LOCATION (YD ³)	
1	11	BASS LANE	605	
2	19	BASS LANE		
3	9	BASS LANE		
4	18	BASS LANE		
5	11	BASS LANE		
6	14	BASS LANE		
7	12	BASS LANE		
8	17	BASS LANE		
9	17	BASS LANE		
10	15	BASS LANE		
11	23	BASS LANE		
12	18	BASS LANE		
13	10	BASS LANE		
14	41	BASS LANE		
15	34	BASS LANE		
16	31	BASS LANE		
17	14	BASS LANE		
18	36	BASS LANE		
19	60	BASS LANE		
20	156	BASS LANE		
21	39	BASS LANE		
22	30	POMPANO LANE	215	
23	15	POMPANO LANE		
24	45	POMPANO LANE		
25	40	POMPANO LANE		
26	65	POMPANO LANE		
27	20	POMPANO LANE		
28	17	SWAN ISLAND ROAD		545
29	15	SWAN ISLAND ROAD		
30	75	SWAN ISLAND ROAD		
31	9	SWAN ISLAND ROAD		
32	16	SWAN ISLAND ROAD		
33	15	SWAN ISLAND ROAD		
34	17	SWAN ISLAND ROAD		
35	19	SWAN ISLAND ROAD		
36	19	SWAN ISLAND ROAD		
37	33	SWAN ISLAND ROAD		
38	25	SWAN ISLAND ROAD		
39	36	SWAN ISLAND ROAD		
40	50	SWAN ISLAND ROAD		
41	72	SWAN ISLAND ROAD		
42	30	SWAN ISLAND ROAD		
43	56	SWAN ISLAND ROAD		
44	41	SWAN ISLAND ROAD		
45	15	RED SNAPPER LANE		
46	20	GREBE ROAD		
47	100	PLOVER COURT	150	
48	50	PLOVER COURT		
49	160	SWAN ROAD		
50	20	SWAN ROAD		
TOTAL			1730	



DETAILS

CAROVA ROADS REPAIR

FRUITVILLE TOWNSHIP - CURRITUCK COUNTY - NORTH CAROLINA

Description

BID/CONSTRUCTION SET

Date

11/24/2020

No.

1

SCALE: NTS

SHEET D-01