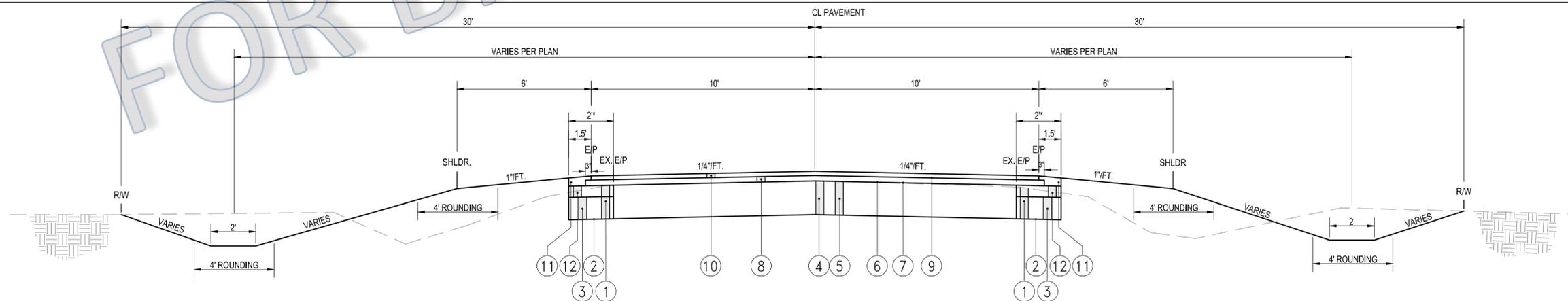


- PROPOSED PAVEMENT AREA
- PROPOSED WIDENING WIDTH = 2'
- PROPOSED WIDENING WIDTH > 2'
- WEARING COURSE REMOVED, T = 1.5" PLACE SURFACE COURSE ONLY
- GRADE THE STABILIZED BASE COURSE TO 2" BELOW THE MILLED BUTT JOINT, PLACE SURFACE AND INTERMEDIATE COURSE
- WEARING COURSE REMOVED, T = 3.5" PLACE SURFACE AND INTERMEDIATE COURSE

INTERSECTION DETAILS
SCALE: 1" = 20'



TYPICAL SECTION
NOT TO SCALE

LEGEND

- | | | | | | | | | |
|---|--------------|-----------------------------------------------------------------------------------------------|---|--------------|-----------------------------------------------------------------|---|----------|----------------------------------------------------------------------------------------------------------|
| ① | ITEM 203 | EXCAVATION FOR PAVEMENT WIDENING
T = 12" FROM SR2 TO US20A
T = 10" FROM US20A TO ROAD H | ⑤ | ITEM SPECIAL | PORTLAND CEMENT, 30 LBS./S.Y. | ⑨ | ITEM 407 | TACK COAT, 0.08 GAL./S.Y. |
| ② | ITEM 204 | SUBGRADE COMPACTION | ⑥ | ITEM 408 | PRIME COAT, 0.35 GAL./S.Y.
AE-PB OR APPROVED EQUAL | ⑩ | ITEM 448 | ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22, T = 1.5" |
| ③ | ITEM 304 | AGGREGATE BASE FOR WIDENING
T = 8" FROM SR2 TO US20A
T = 6" FROM US20A TO ROAD H | ⑦ | ITEM 408 | CHOKO AGGREGATE, 12 LBS./S.Y.
WASHED NO. 8 COVER AGGREGATE | ⑪ | ITEM 617 | COMPACTED AGGREGATE, 1.5" X 3.5" APPROVED MATERIAL: 411 |
| ④ | ITEM SPECIAL | FULL DEPTH RECLAMATION TWO PASS | ⑧ | ITEM 448 | ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-22, T = 2" | ⑫ | ITEM 448 | ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-22, T = 4" IN WIDENING TRENCH AT RADII OF SR 2 ONLY |

* WIDENING WIDTH = 2' EXCEPT AS FOLLOWS:
3' FROM STA. 151+00 TO STA. 158+39.6, RIGHT SIDE
3' FROM US 20A TO ROAD H, BOTH SIDES

THERE ARE NO PLANS FOR ROAD 21 FROM US20A TO ROAD H.
THERE IS NO EXCAVATION OR EMBANKMENT IN THIS MILE,
OTHER THAN THE EXCAVATION FOR PAVEMENT WIDENING.

GENERAL NOTES

CONSTRUCTION NOISE ASSESSMENT

IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 10:00 P.M. AND 6:00 A.M. IN ADDITION, ANY POWER OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 OF THE O.R.C.

UTILITIES

LISTED BELOW ARE ALL KNOWN UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

POWER	TELEPHONE	WATERLINE MAINTENANCE
TOLEDO EDISON MAIL STOP HLOC-2330 TOLEDO, OH 43528 PH. 419-249-4139 PH. 800-447-3333	CENTURYLINK 375 EAST RIVERVIEW NAPOLÉON, OHIO 43545 PH. 419-599-4030 PH. 419-590-9706	THE VILLAGE OF ARCHBOLD WATER DEPARTMENT SCOTT SCHULTZ, SUPERINTENDENT 700 NORTH ST. ARCHBOLD, OH 43502 PHONE: 419-445-2506

HIGHWAY EASEMENTS

THE FULTON COUNTY COMMISSIONERS HAVE ACQUIRED ALL THE ADDITIONAL RIGHT OF WAY NECESSARY FOR THIS PROJECT. THE CONTRACTOR SHALL NOT PERFORM WORK, NOR STORE EQUIPMENT AND/OR MATERIALS OUTSIDE THE ESTABLISHED HIGHWAY RIGHT OF WAY. IN THE EVENT THAT THE CONTRACTOR NEEDS TO OCCUPY LAND OUTSIDE THE ESTABLISHED HIGHWAY RIGHT OF WAY IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AN AGREEMENT WITH THE LANDOWNER.

BENCH MARK DATUM

ALL ELEVATIONS ARE REFERRED TO A "X" ON THE SOUTH EAST TOP FLANGE OF A FIRE HYDRANT, STA. 105+99, 57.2' LT., ELEVATION 736.68, NAVD 88 (U.S.G.S. DATUM). ADDITIONAL SITE BENCH MARKS HAVE BEEN ESTABLISHED AND CAN BE FOUND ON THE RESPECTIVE PLAN AND PROFILE SHEETS AND WITHIN THE BENCH MARK TABLE AS SHOWN ON SHEET #5. ANY ADDITIONAL BENCH MARKS THAT MAY BE NEEDED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THIS SHALL BE PAID FOR UNDER ITEM 623 CONSTRUCTION LAYOUT AND STAKING.

CONTROL POINTS

BEFORE ACTUAL CONSTRUCTION OPERATIONS BEGIN, THE ENGINEER WILL REFERENCE ALL EXISTING MONUMENTS, RAILROAD SPIKES, HARROW TEETH, ETC. IN THE SURVEY LINE. UPON COMPLETION OF THE PROPOSED PAVEMENT, THE ENGINEER SHALL RESET ALL CONTROL POINTS IN THE NEW PAVEMENT.

RELOCATION OR REMOVAL OF EXISTING TRAFFIC CONTROL DEVICES

ANY EXISTING TRAFFIC CONTROL SIGNS OR DELINEATORS WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION OPERATIONS WILL BE RELOCATED OR REMOVED PRIOR TO CONSTRUCTION BY THE FULTON COUNTY HIGHWAY DEPARTMENT. TO ALLOW FOR PROPER SCHEDULING OF THE WORK, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO GIVE FULTON COUNTY AT LEAST A THREE WORKING DAY NOTICE OF THEIR INTENT TO BEGIN WORK IN THOSE AREAS WHERE TRAFFIC CONTROL DEVICES MUST BE RELOCATED. FAILURE TO PROVIDE THIS NOTICE WILL RESULT IN THE REMOVAL AND RE-ERECTION OF THE TRAFFIC CONTROL SIGNS BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER.

CROSSING EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE OF PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATION ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE CONDUIT ITEM.

FARM DRAINS AND HOUSE CONNECTIONS

EXISTING FARM DRAINS, ROOF DRAINS, CLEAN WATER DRAINS, FOOTER DRAINS, OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTION TO A STORM SEWER, CATCH BASIN, OR OUTLET INTO A DITCH AS DIRECTED BY THE ENGINEER. THE LOCATION, TYPE, SIZE AND GRADE OF THE REQUIRED REPLACEMENT WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION. PAYMENT FOR ANY NECESSARY BENDS, TEES, WYES OR OTHER FITTINGS SHALL BE INCLUDED IN THE RESPECTIVE CONDUIT ITEM.

PIPE COLLARS

WHERE CONNECTIONS ARE MADE BETWEEN RIGID AND FLEXIBLE PIPE SECTIONS OR BETWEEN PIPE SECTIONS OF DIFFERENT MATERIAL OR TYPE OF END FABRICATION, WHETHER REQUIRED BY THE PLANS OR ENCOUNTERED IN CONNECTION TO EXISTING FACILITIES, THE JOINT SHALL BE SEALED BY MEANS OF A CONCRETE COLLAR, FERNCO FITTING OR APPROVED EQUAL. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE RESPECTIVE CONDUIT ITEM.

PIPE FITTINGS

THE UNIT PRICE BID FOR THE CONDUIT ITEMS SHALL INCLUDE ALL PROPOSED BENDS, TEES, WYES, AND OTHER FITTINGS NECESSARY TO CONSTRUCT THE CONDUIT. ALL PIPE FITTINGS SHALL BE FACTORY MADE.

ITEM SS811 CONDUIT

THE JOINTS OF ALL PIPE PROVIDED FOR TYPE B CONDUIT SHALL BE EQUIPPED WITH GASKETS. ALL CONNECTIONS OF EXISTING TILE TO PROPOSED TYPE B CONDUIT SHALL BE OF A PREMIUM, WATERTIGHT JOINT.

ANY EXISTING TILE TO BE CUT OFF AND DESIGNATED AS "ABANDONED TILE" BY THE ENGINEER, SHALL BE SEALED OFF AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL MAKE NOTE OF LOCATION, SIZE AND CONDITION OF ANY EXISTING TILE THAT MAY COME INTO CONTACT WITH THE PROPOSED CONDUIT TRENCH.

ANY TILE THAT IS CUT MUST BE REPAIRED AND REPORTED TO THE ENGINEER. THE REPAIR OF THE TILE SHALL BE APPROVED BY THE ENGINEER BEFORE BACKFILLING.

TYPE D CONDUIT SHALL MEET ANY OF THE FOLLOWING O.D.O.T. ITEMS: 707.01.

ALL EXPOSED TILE OUTLETS 12" AND UNDER SHALL HAVE ANIMAL GUARDS PLACED AT THE OUTLET AND BE INCLUDED IN THE PAY ITEM OF THE RESPECTIVE CONDUIT. THIS SHALL INCLUDE ALL OUTLETS INTO BASINS WHERE THE OUTLET PIPE IS GREATER THAN 12". DRIVE PIPES ARE EXCLUDED FROM THIS.

ALL PROPOSED CONNECTIONS TO EXISTING STRUCTURES SHALL BE A WATERTIGHT PREMIUM JOINT OR A CONCRETE COLLAR.

SLAG SHALL NOT BE PERMITTED FOR TYPE A OR TYPE B CONDUIT BEDDING/BACKFILL OR ANY STRUCTURES UNDER THE PAVEMENT.

WHERE A CONDUIT CROSSES UNDER A DRIVE, GRANULAR BACKFILL MATERIAL SHALL BE USED TO THE BASE OF THE DRIVE. THE COST OF THE GRANULAR BACKFILL SHALL BE INCLUDED IN THE UNIT PRICE BID ITEM FOR THE RESPECTIVE CONDUIT.

ITEM 201 CLEARING AND GRUBBING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING ALL DEBRIS TO THE ROAD RIGHT OF WAY LINE. THIS SHALL INCLUDE ALL TREES AND STUMPS AS MARKED ON THIS SET OF ROAD PLANS. THE ENGINEER SHALL BE NOTIFIED PRIOR TO THE REMOVAL OF ANY TREE OR CROP.

PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 201 CLEARING AND GRUBBING.

ROADBED/CHANNEL EMBANKMENTS

PORTIONS OF THE EXISTING CHANNEL OUTSIDE OF THE ROADBED, SHALL BE FILLED AND SLOPED TO GRADE, AS CALLED FOR ON THE PLANS. THE CONTRACTOR SHALL USE SUITABLE MATERIALS, TO THE EXTENT AVAILABLE, FOR CHANNEL EMBANKMENTS. WHEN BORROW IS SPECIFIED IN THE PLANS AND TO BE PROVIDED BY THE CONTRACTOR, ALL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.

NO PROVISIONS OF THE SPECIFICATIONS SHALL BE WAIVED FOR EMBANKMENT WHICH SUPPORT ANY PORTION OF THE NEW ROADBED OR STRUCTURAL MEMBERS.

PAYMENT FOR ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203, EMBANKMENT.

EXCAVATION FOR PAVEMENT WIDENING

EXCAVATION FOR PAVEMENT WIDENING SHALL BE CUT TO THE SPECIFIED WIDTH AND DEPTH AS SHOWN. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED WITH BARRICADES AT ALL TIMES. PLACEMENT OF THE PROPOSED MATERIAL SHALL FOLLOW CLOSE BEHIND EXCAVATION OPERATIONS SO THAT THE LENGTH OF OPEN TRENCH IS KEPT TO A MINIMUM. ANY TRENCHING ACROSS DRIVES SHALL BE IMMEDIATELY REPAIRED SO AS TO PERMIT ACCESS. THE TRENCH MAY BE LEFT OPEN OVERNIGHT BUT MUST BE ADEQUATELY MAINTAINED AND PROTECTED USING DRUMS WITH YELLOW LIGHTS ATTACHED. PROPER DRAINAGE OF THE TRENCH IS THE CONTRACTOR'S RESPONSIBILITY.

ITEM 204 PROOF ROLLING OF THE WIDENING TRENCH

THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE AND ANY OTHER AREAS AS DIRECTED BY THE ENGINEER. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 204, SUBGRADE COMPACTION.

ITEM 304 AGGREGATE BASE

MATERIALS FURNISHED FOR THIS ITEM SHALL EXCLUDE ALL SLAG, LIMESTONE ONLY.

ITEM 617 ~ RECONDITIONING SHOULDERS

APPROVED MATERIAL FOR THIS ITEM SHALL BE IN ACCORDANCE WITH O.D.O.T. ITEM 411. IF ANY MATERIAL OTHER THAN LIMESTONE IS USED, THE PLACEMENT OF THE SHOULDER MATERIAL SHALL NOT PROCEED OVER DRIVES.

ITEM 411 ~ STABILIZED CRUSHED AGGREGATE FOR DRIVES & MAILBOXES

APPROVED MATERIAL FOR THIS ITEM SHALL BE IN ACCORDANCE WITH O.D.O.T. ITEM 411, LIMESTONE ONLY. DRIVES REQUIRING 411 SHALL BE PLACED EITHER AS AN OVERLAY TO MEET PROPOSED GRADE OR TO A MINIMUM OF 8" WHERE NEW BASE MATERIAL IS REQUIRED.

ITEM 407 TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GALLONS PER SQUARE YARD FOR THE ESTIMATING PURPOSES ONLY.

ITEM 408 PRIME COAT

THE RATE OF APPLICATION OF THE 408 PRIME COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.35 GALLONS PER SQUARE YARD FOR ESTIMATING PURPOSES ONLY. THE MATERIAL TO BE USED IS AE-PB OR AN APPROVED EQUAL.

EROSION CONTROL

THE CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL DEVICES AS PER DETAILS ON SHEET #6 AND AS DIRECTED BY THE ENGINEER THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PLACE THE INLET PROTECTION AND STRAW BALES IMMEDIATELY AFTER DISTURBING THE SURROUNDING EARTH. COST SHALL INCLUDE PLACING AND MAINTAINING EROSION CONTROL DEVICES UNTIL THE PROJECT IS SUBSTANTIALLY COMPLETE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEMS INLET PROTECTION AND STRAW BALES FOR EROSION CONTROL.

EXISTING STORM STRUCTURES

THE CONTRACTOR SHALL PROTECT EXISTING AND PROPOSED INLETS AND STORM SEWERS FROM SOIL AND DEBRIS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY AND ALL STORM SEWERS OR CULVERTS THAT BECOME FILLED OR PARTIALLY FILLED WITH SOLIDS DUE TO THIS CONTRACT WORK.

EPA PERMITTING

FULTON COUNTY WILL SUBMIT A NOTICE OF INTENT (NOI) APPLICATION FOR COVERAGE UNDER OHIO EPA'S STORM WATER GENERAL PERMIT. FULTON COUNTY WILL COMPLETE THE SWPPP AND PAY ALL ASSOCIATED FEES. THE CONTRACTOR WILL HAVE TO SIGN A CO-PERMITTEE NOTICE OF INTENT AND THEN SUPPLY AND INSTALL EROSION AND SEDIMENT CONTROL AS SHOWN IN THESE PLANS.

ITEM 614 MAINTAINING TRAFFIC

METHODS OF MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH O.D.O.T. ITEM 614 AND THE LATEST EDITION OF THE "OHIO MANUAL UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

SHOULD ADDITIONAL SIGNS AND/OR BARRICADES BE REQUIRED TO PROVIDE CLARITY TO THE TRAFFIC CONTROL SCHEMES SET FORTH IN THE PLANS OR THE O.M.U.T.C.D. OR SHOULD ANY SIGNS AND/OR BARRICADES REQUIRE RELOCATION TO PROVIDE THIS CLARITY AS DIRECTED BY THE ENGINEER, THIS WORK SHALL BE INCLUDED IN ITEM 614, MAINTAINING TRAFFIC.

THE CONTRACTOR SHALL NOTIFY THE FULTON COUNTY ENGINEER IN WRITING SEVEN (7) WORKING DAYS PRIOR TO THE CLOSING OF THE ROAD UNDER CONSTRUCTION.

THE CONTRACTOR SHALL FOLLOW THE TRAFFIC MAINTENANCE DIAGRAM AS DETAILED ON THE SPECIFIED SHEET BEING TRAFFIC MAINTENANCE (SHEET #4).

THE CONTRACTOR SHALL PLACE CONSTRUCTION DRUMS ALONG THE EDGE(S) OF PAVEMENT THROUGHOUT THE DURATION OF CONSTRUCTION IN PERTINENT AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND KEEPING INFORMED, THE FULTON COUNTY SHERIFF AND ALL AFFECTED SCHOOL DISTRICTS DURING THE ENTIRE PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND/OR CONSTRUCTING ACCESS FOR RESIDENTS AND EMERGENCY VEHICLES TO ALL DRIVES THROUGHOUT THE DURATION OF THE PROJECT.

PAYMENT FOR PROVIDING THE ABOVE METHOD OF TRAFFIC CONTROL SHALL BE INCLUDED IN ITEM 614, MAINTAINING TRAFFIC.

POSTAL SERVICE

THE CONTRACTOR SHALL ARRANGE WITH THE POSTAL SERVICE TO RELOCATE ANY MAILBOXES WITHIN THE RIGHT OF WAY TO A SAFE LOCATION DURING CONSTRUCTION WHILE MAINTAINING ACCESS FOR DELIVERY AND COLLECTION OF MAIL. ANY DISTURBED MAILBOXES WILL BE RESET UPON COMPLETION OF WORK. PAYMENT FOR THE ABOVE COMPLETED WORK SHALL BE INCLUDED IN THE LUMP SUM ITEM 614, MAINTAINING TRAFFIC.

WORK ZONE CENTERLINE

WORK ZONE CENTERLINE STRIPING SHALL BE PLACED ON THE WEARING COURSE IN ACCORDANCE WITH O.D.O.T. SPECIFICATION 614. IN THE EVENT THAT THE INTERMEDIATE COURSE AND WEARING COURSE ARE NOT GOING TO BE PLACED CONSECUTIVELY, THE CONTRACTOR SHALL ALSO PLACE THE WORK ZONE CENTERLINE STRIPING ON THE INTERMEDIATE COURSE. PAYMENT FOR THE ABOVE COMPLETED WORK SHALL BE INCLUDED IN THE LUMP SUM ITEM 614, MAINTAINING TRAFFIC.

LOCAL DRIVE ACCESS

THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL DRIVES AT ALL TIMES UNLESS AN AGREEMENT IS MADE WITH ENGINEER OR LANDOWNER.

DAILY ROAD MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ROADWAY FREE OF DEBRIS FROM CONSTRUCTION ACTIVITY ON A DAY-TO-DAY BASIS OR AT THE REQUEST OF THE ENGINEER. MEANS AND METHODS MAY BE AT THE CONTRACTOR'S DISCRETION AND SHALL MEET THE APPROVAL OF THE ENGINEER. PAYMENT FOR THE ABOVE COMPLETED WORK SHALL BE INCLUDED IN THE LUMP SUM ITEM 614, MAINTAINING TRAFFIC.

SEEDING AND MULCHING

THE SEEDING AND MULCHING IS TO BE PERFORMED BY FULTON COUNTY. THE CONTRACTOR SHALL KEEP THE AMOUNT OF DISTURBED SOIL TO A MINIMUM. IT IS THE INTENT OF FULTON COUNTY TO PERFORM THE SEEDING AND MULCHING ONCE AN AREA HAS REACHED FINAL GRADE. THIS WILL BE COORDINATED SO THAT THE COUNTY DOES NOT DISTURB THE WORK OF THE CONTRACTOR.

ITEM 659 SEEDING AND MULCHING SITE PREPARATION

ITEM 659.10 AND 659.11 SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

UNDER ITEM 659.10, SECTION B IS EXCLUDED. NO SOIL AMENDMENTS ARE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO RETURN THE LANDOWNERS' FRONTAGE TO ITS ORIGINAL CONDITION OR BETTER.

UNDER ITEM 659.11, THE CONTRACTOR WILL BE RESPONSIBLE TO FURNISH 4" OF TOP SOIL ON ALL FRONTAGE THAT IS MAINTAINED AS LAWN. THE REMAINDER OF THE PROJECT SHALL HAVE TOPSOIL PLACED, ENOUGH SO THAT IT IS SUITABLE FOR SEEDING. SUITABLE MATERIAL FROM THE PROJECT CAN BE USED FOR TOPSOIL, OTHERWISE THE CONTRACTOR WILL BE RESPONSIBLE TO HAUL IN SUITABLE MATERIAL PRIOR TO SEEDING.

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN ITEM 659, SEEDING AND MULCHING SITE PREPARATION.

Drawn By:
HKD/BDL

Date: 4/29/2014

Checked By:
FTO

N/A

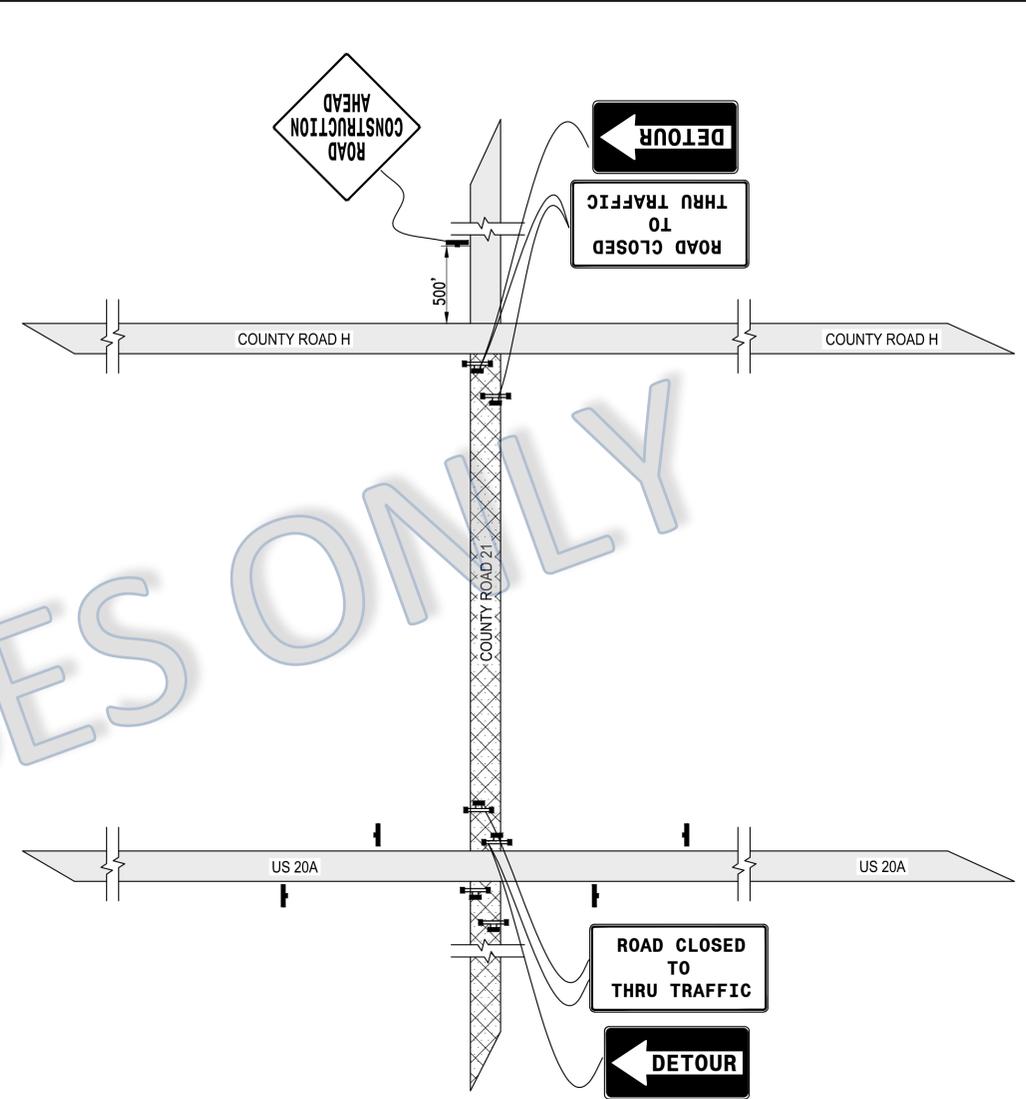
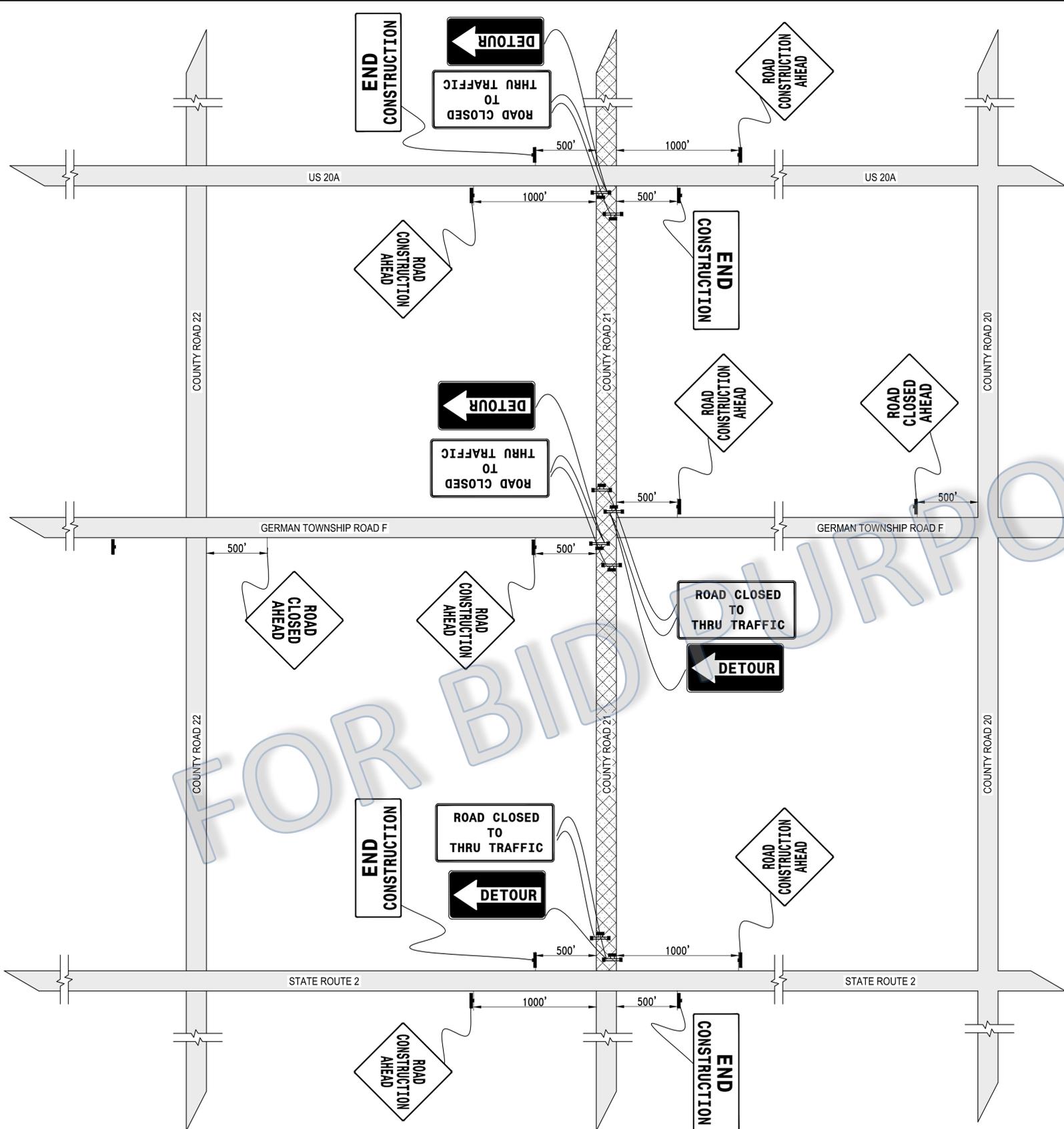
Revised:
N/A

COUNTY ROAD 21 (SR 2 - ROAD H)

GENERAL NOTES

FULTON COUNTY ENGINEERING DEPT.
FRANK T. ONWELLER, P.E., P.S. - COUNTY ENGINEER
ROD CREAGER, P.E., P.S. - CHIEF DEPUTY ENGINEER
9120 Co Rd 14, WALLSEON, OHIO, 43867
PHONE (419) 335-3816 FAX (419) 335-1091

3
39



TYPICAL PORTABLE/MOVABLE TYPE III BARRICADE



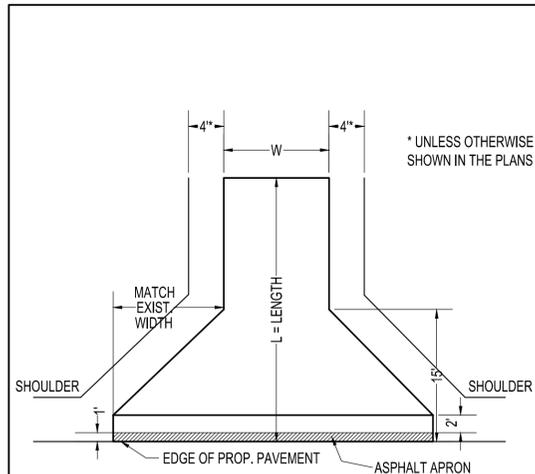
- KEY**
- TYPE III BARRICADES
 - CONSTRUCTION SIGNS
 - CONSTRUCTION ZONE



NOT TO SCALE

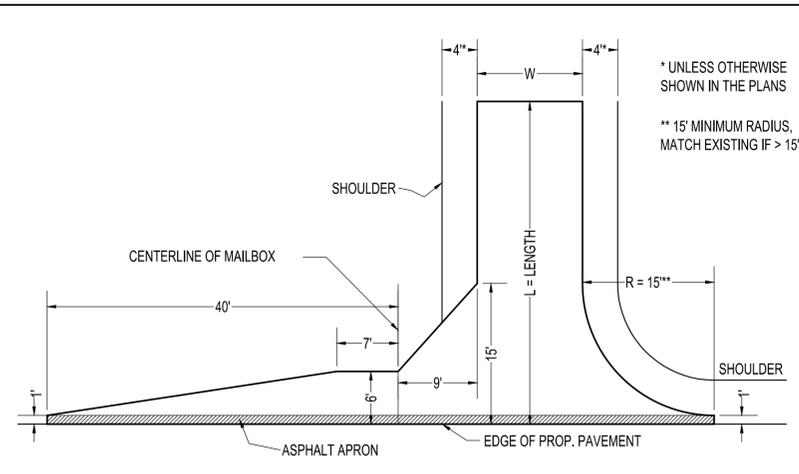
NOTE:
ONE DETOUR SIGN IS TO BE PLACED ON ONE OF THE TYPE III BARRICADES AT EACH END OF THE PROJECT.

Drawn By: HKD/BDL	Date: 4/29/2014	Checked By: FTO	Revised: N/A
COUNTY ROAD 21 (SR 2 - ROAD H)			
MAINTENANCE OF TRAFFIC			
FULTON COUNTY ENGINEERING DEPT. FRANK T. ONWELLER, P.E., P.S. - COUNTY ENGINEER ROD CRAIGER, P.E., P.S. - CHIEF DEPUTY ENGINEER 9120 Co Rd 14, WAUSEON, OHIO, 43587 PHONE (419) 335-3816 FAX (419) 335-1091			
4			
39			



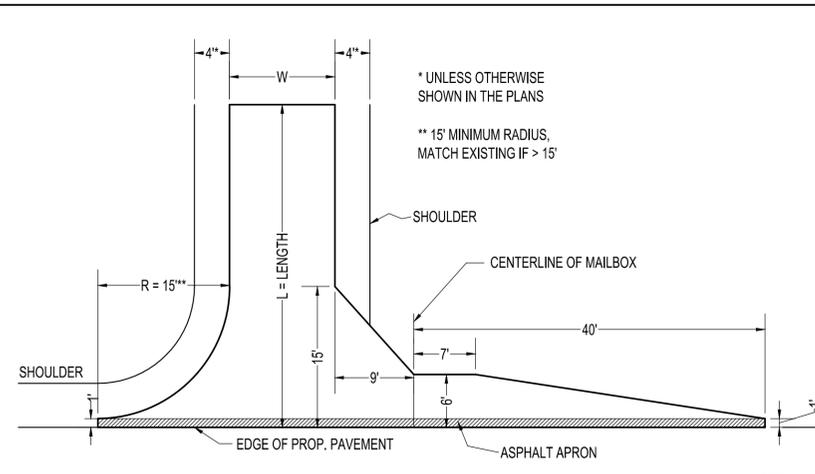
DRIVEWAY WITH TANGENTS

A-7, A-10, A-42



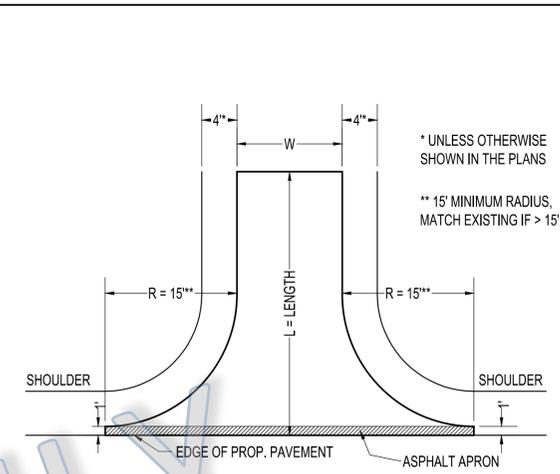
RESIDENTIAL DRIVE WITH MAILBOX APPROACH

A-20



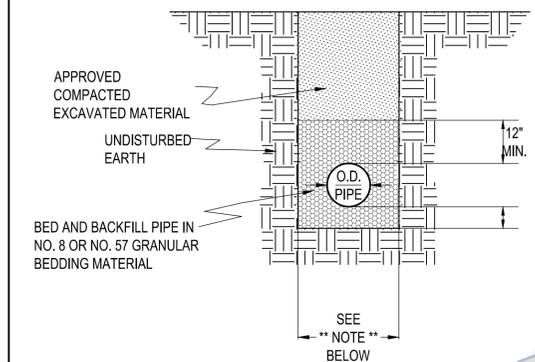
RESIDENTIAL DRIVE WITH MAILBOX APPROACH

A-5, A-43



DRIVEWAY WITH RADIUS

A-1, A-2, A-4, A-6, A-9, A-11, A-13, A-15, A-17, A-18, A-19, A-22, A-23, A-24, A-25, A-26, A-27, A-28, A-29, A-30, A-31, A-32, A-35, A-38, A-39, A-40, A-41, A-44, A-45, A-46, A-47, A-49, A-50, A-51, A-52, A-53, A-54



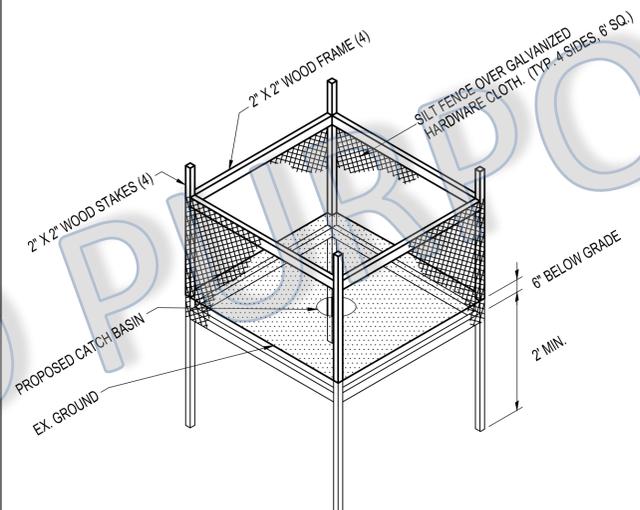
TYPE D CONDUIT ~ TRENCH DETAIL

** NOTE ** MINIMUM TRENCH WIDTH SHALL BE THE GREATER OF EITHER THE PIPE OUTSIDE DIAMETER PLUS 18", OR THE PIPE OUTSIDE DIAMETER, TIMES 1.25, PLUS 12".

NOTE: UNDER EXISTING SEWERS, WATER LINES, GAS LINES, TELEPHONE CABLE AND ELECTRICAL CONDUITS, BACKFILL WITH NO. 8 GRANULAR BEDDING MATERIAL TO 6" ABOVE THE EXISTING UTILITY LINES.

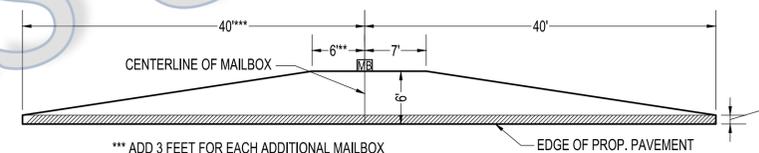
NOTE: ALL BEDDING AND BACKFILL MATERIALS SHALL BE COMPACTED TO MEET THE REQUIREMENTS AS SPECIFIED BY O.D.O.T. SUPPLEMENTAL SPECIFICATION 811.

NOTE: WHERE TYPE D CONDUIT CROSSES THROUGH ANY DRIVE, GRANULAR MATERIAL SHALL BE USED AS BACKFILL TO THE BASE OF DRIVE. THE COST OF THE GRANULAR MATERIAL BACKFILL SHALL BE INCLUDED IN THE UNIT PRICE BID ITEM FOR THE RESPECTIVE TYPE D CONDUIT.



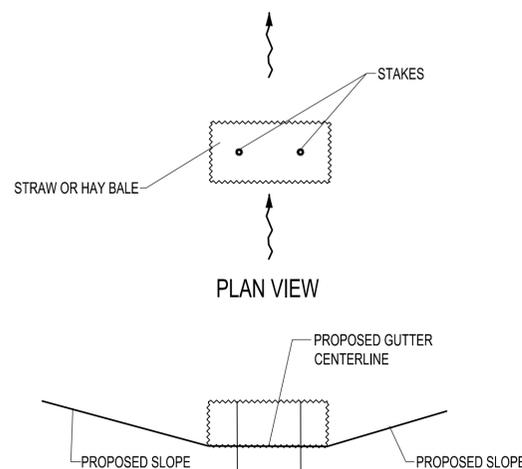
INLET PROTECTION - SILT FENCE

BASIS OF PAYMENT: INLET PROTECTION INSTALLATION SHALL BE PAID FOR UNDER THE RESPECTIVE ITEM. COST WILL INCLUDE PLACING, MAINTAINING AND REMOVING.

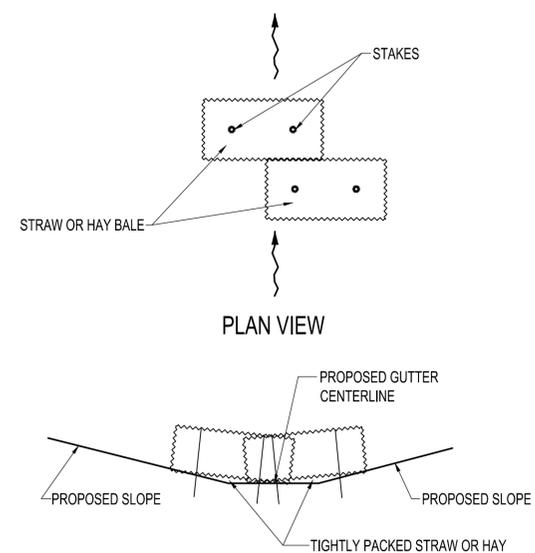


MAILBOX APPROACH

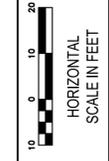
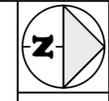
A-3, A-12, A-14, A-16, A-21, A-36, A-48



BALE GUTTER CHECK (1 BALE EACH)



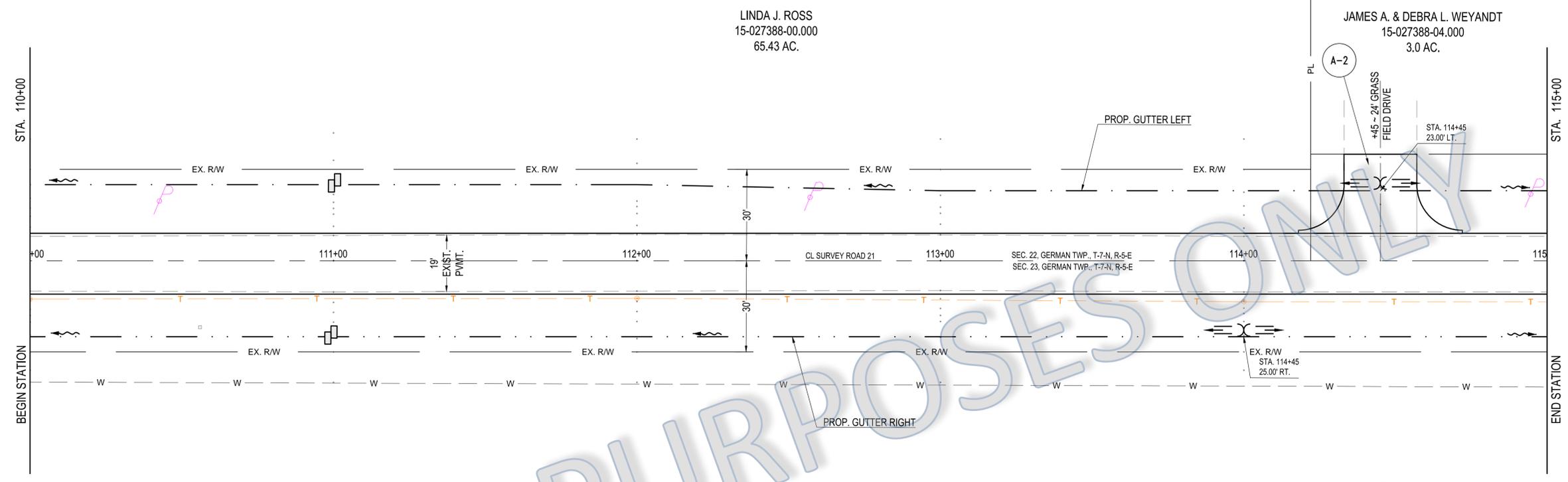
BALE GUTTER CHECK (2 BALES EACH)



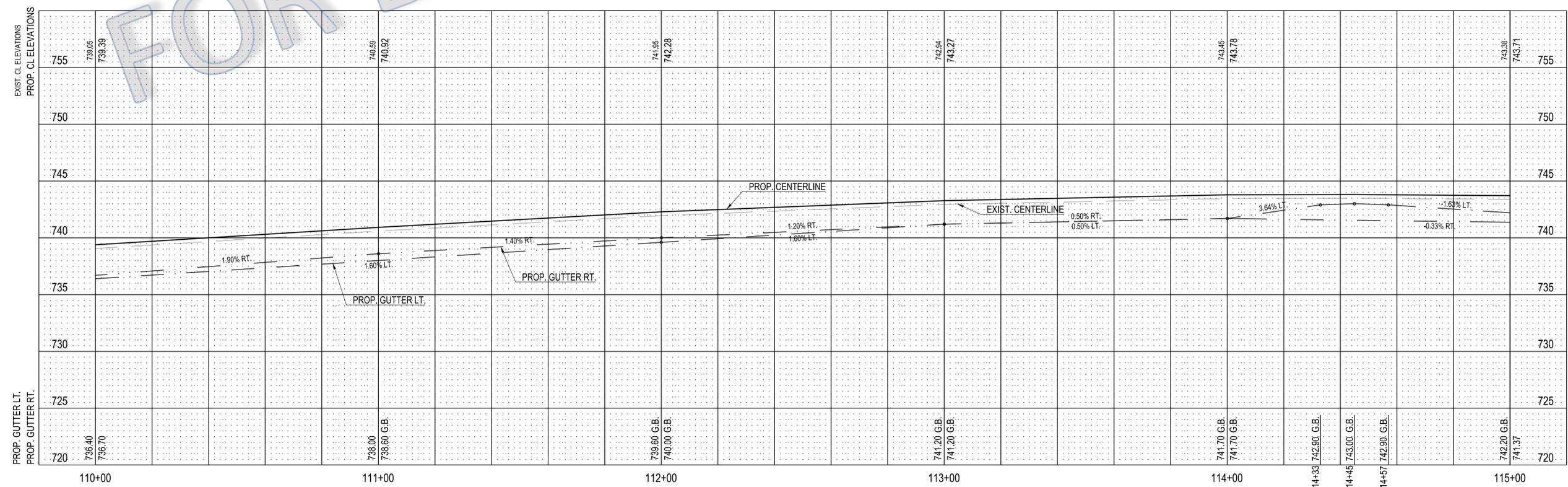
Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revised: N/A

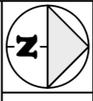
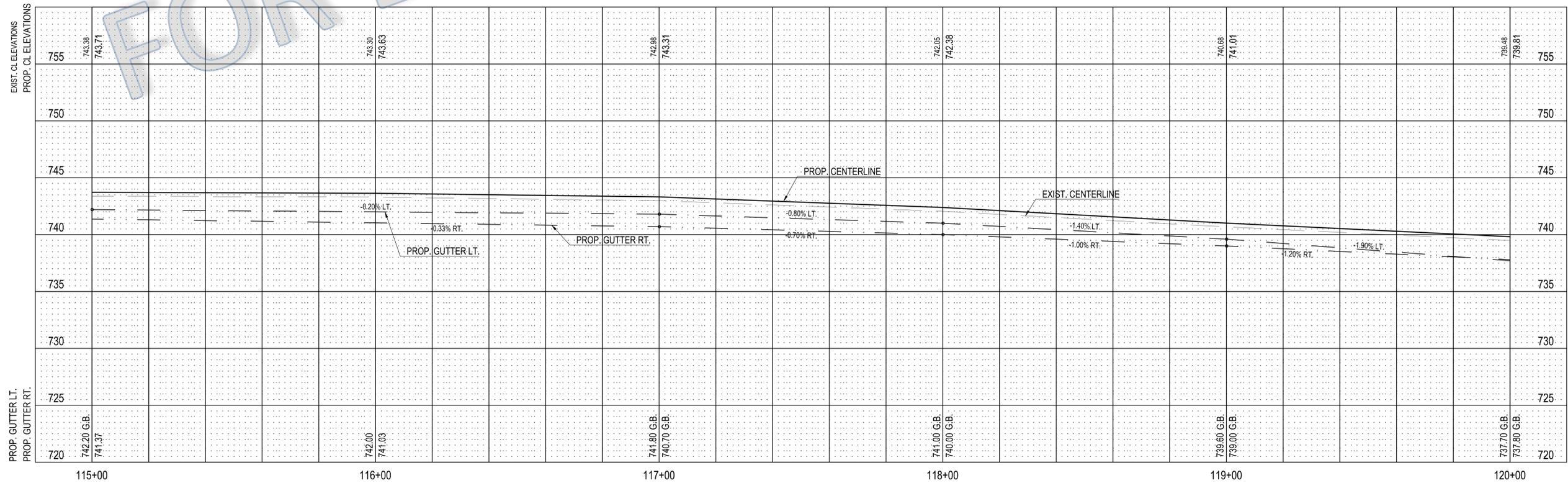
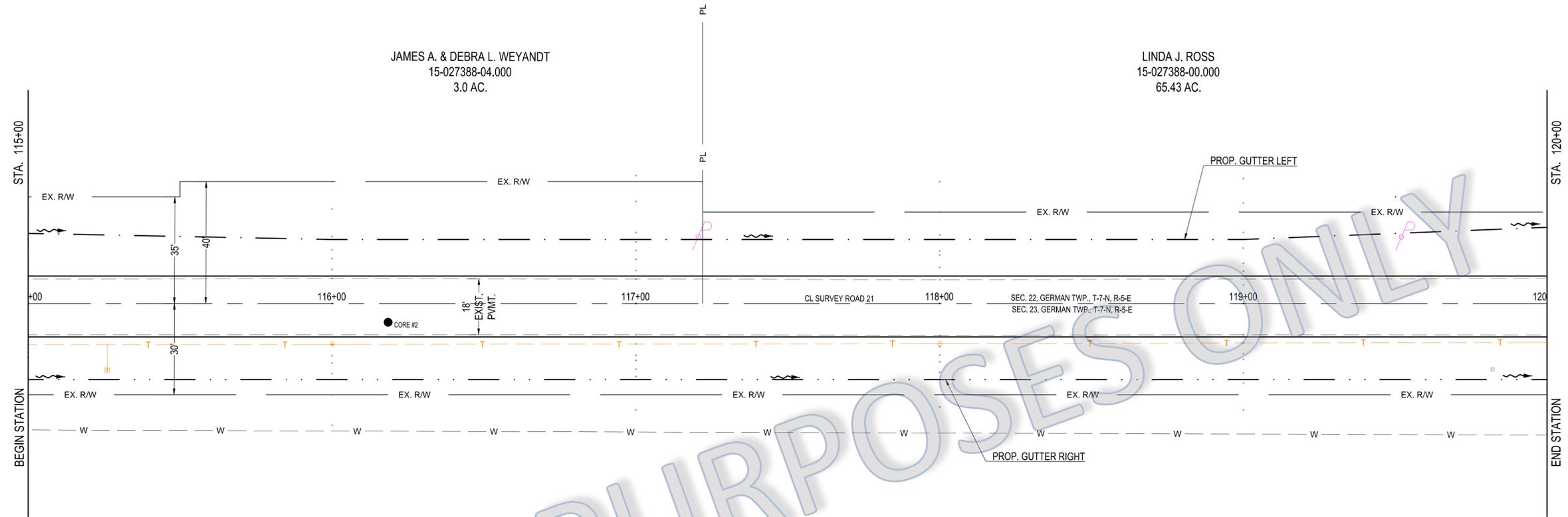
COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 110+00 TO STA. 115+00

FULTON COUNTY ENGINEERING DEPT.
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 PHONE (419) 335-3816 FAX (419) 335-1091



- 1 BALE GUTTER CHECK
- 2 BALE GUTTER CHECK

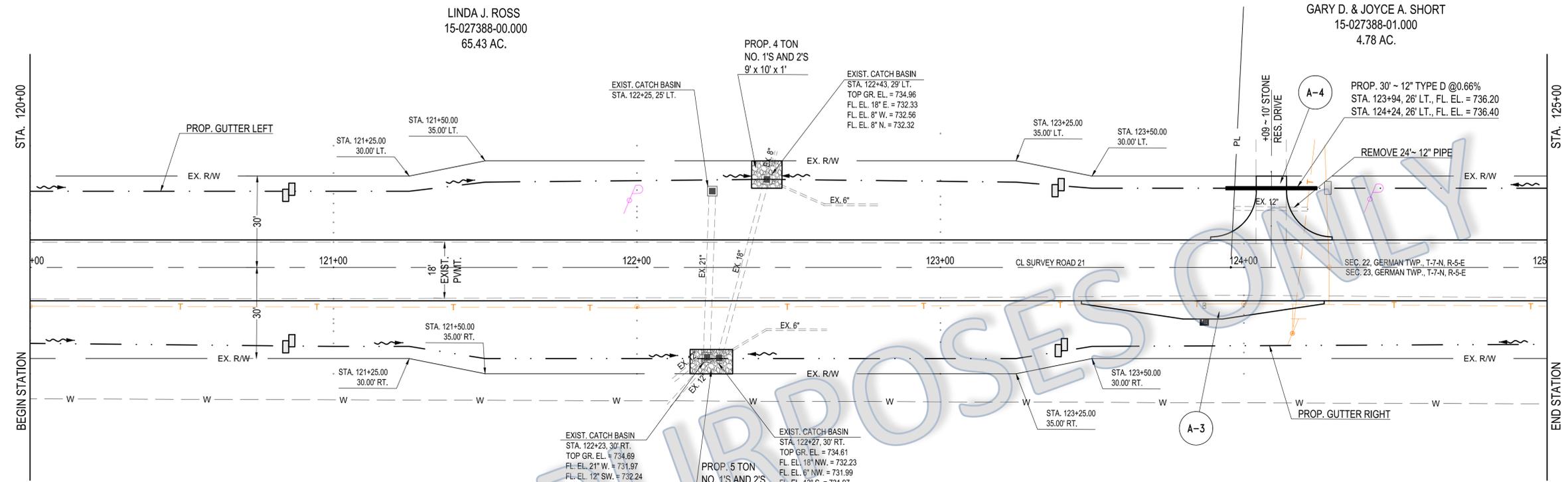
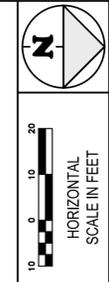




Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 115+00 TO STA. 120+00

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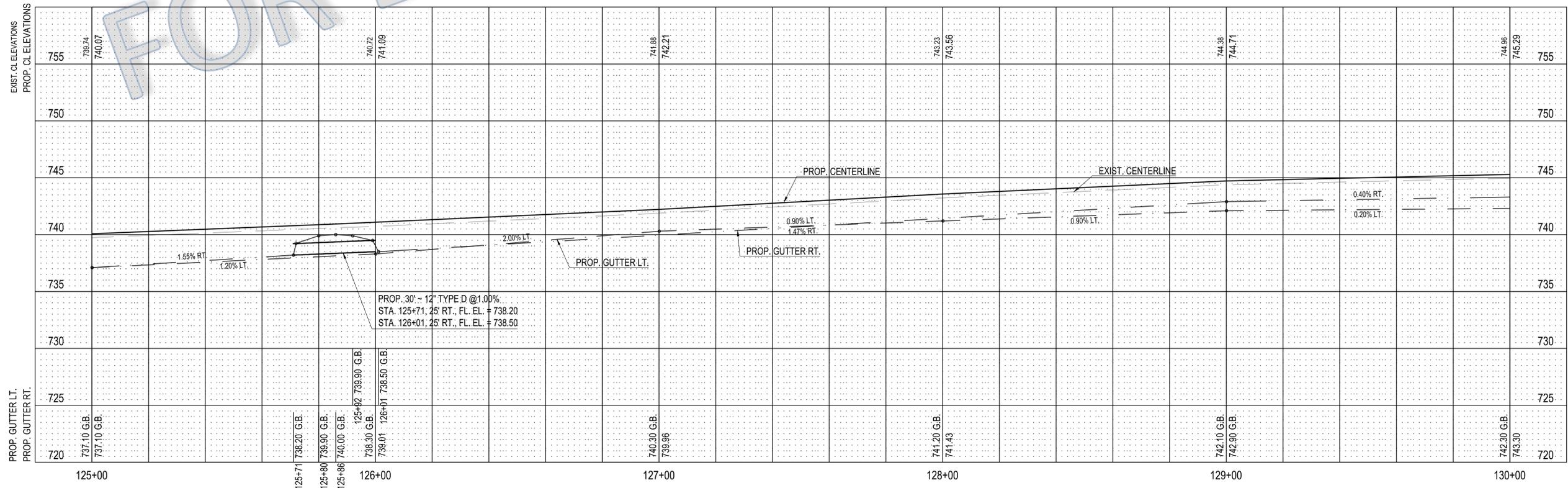
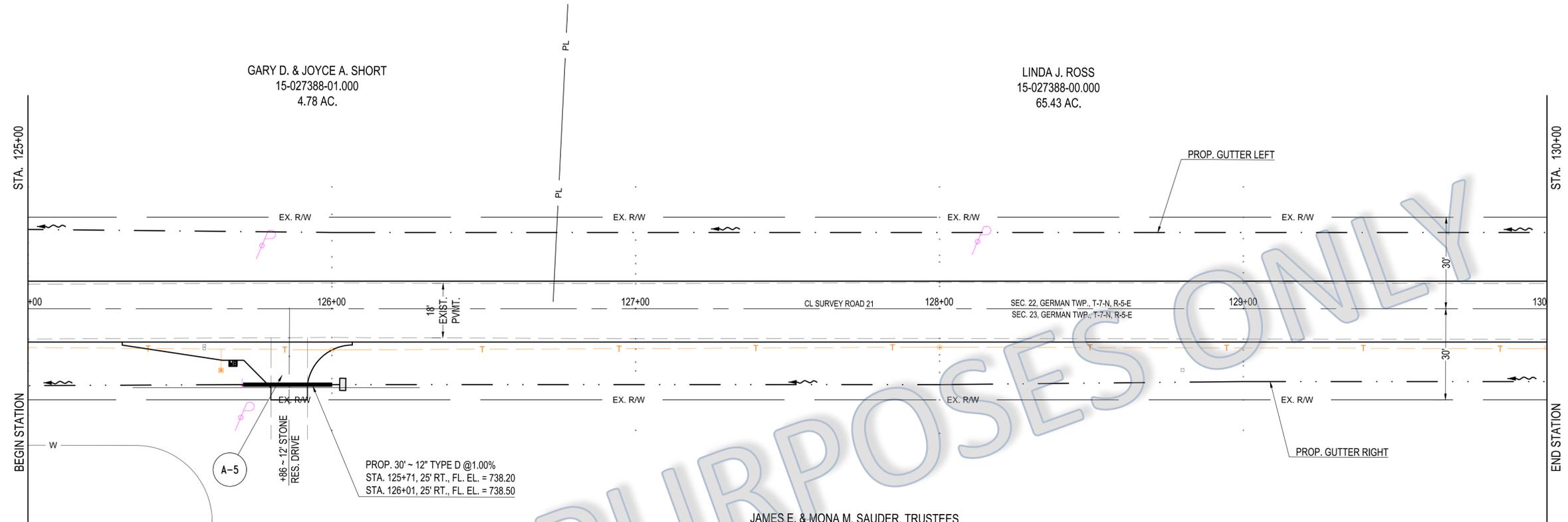
- 1 BALE GUTTER CHECK
- 2 BALE GUTTER CHECK

STATION	PROP. GUTTER LT. ELEVATION	PROP. GUTTER RT. ELEVATION	EXIST. CL ELEVATIONS	PROP. CL ELEVATIONS
120+00	737.70 G.B.	737.80 G.B.	755	739.48
121+00	736.40 G.B.	735.90 G.B.	750	738.61
121+25	735.70 G.B.		745	738.94
121+50	735.60 G.B.		740	
121+50	735.00 G.B.		735	
122+00	734.65 G.B.		730	
122+43	734.98 G.B.		725	
122+75	735.00 G.B.		720	
123+00	735.05	734.95		
123+25	735.10 G.B.	735.20 G.B.		
123+50	735.99 G.B.			
123+94	736.20 G.B.			
124+00	737.63	737.90 G.B.		
124+09	736.36	736.00 G.B.		
124+15	737.90 G.B.			
124+24	736.40 G.B.			
125+00	737.10 G.B.	737.10 G.B.	755	740.07

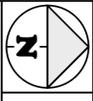
Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 120+00 TO STA. 125+00

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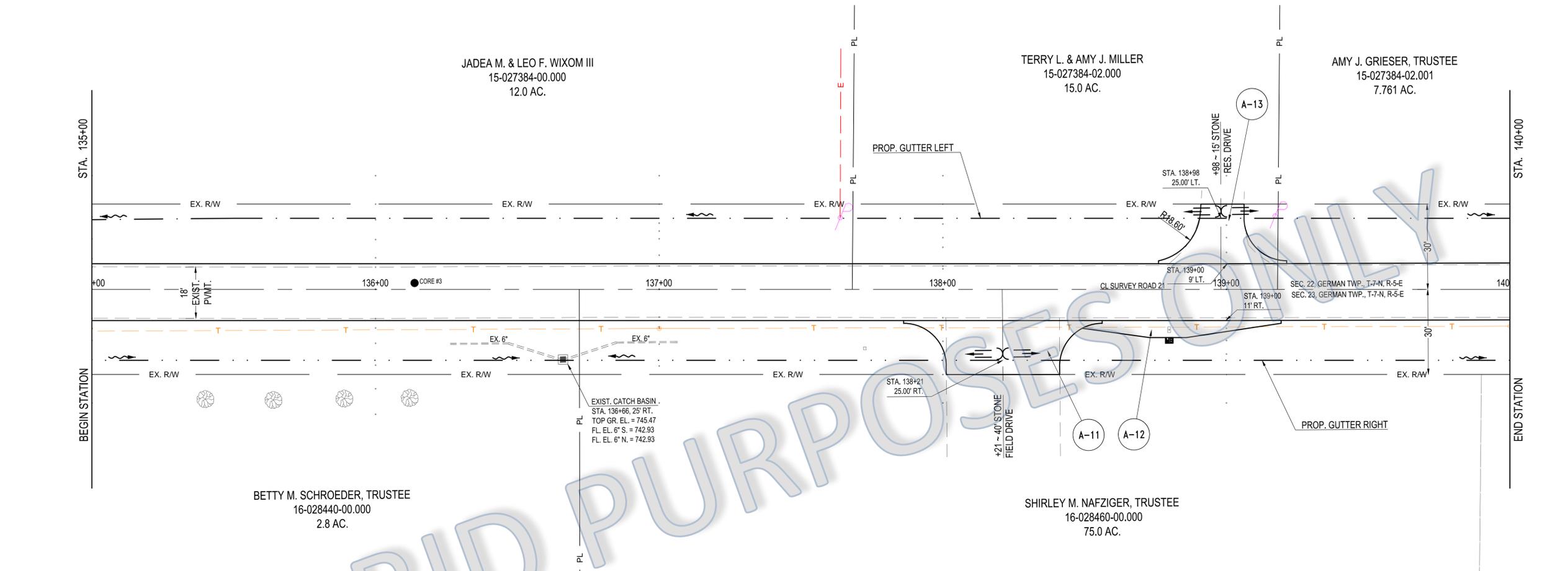
- 1 BAILE GUTTER CHECK
- 2 BAILE GUTTER CHECK



Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 125+00 TO STA. 130+00

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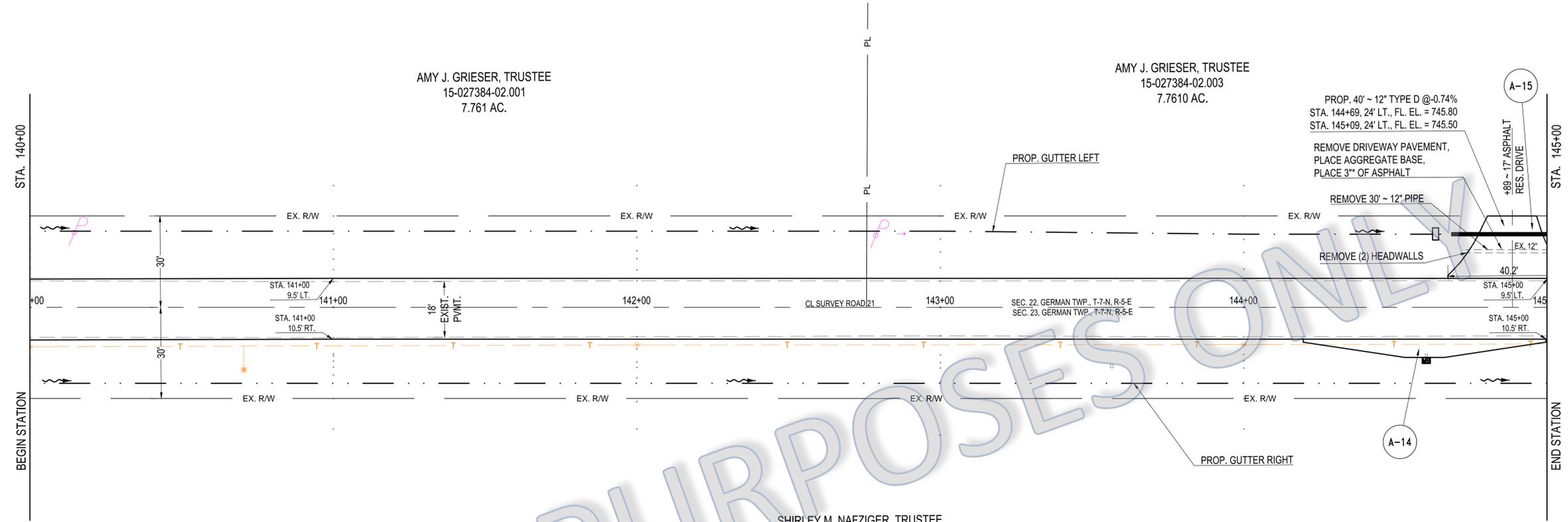
STATION	PROP. GUTTER LT. ELEVATION	PROP. GUTTER RT. ELEVATION	EXIST. CL ELEVATIONS
135+00	730	745.20	765
135+00	735	745.90 G.B.	747.12
135+00	740	747.45	747.45
136+00	745	745.40 G.B.	747.34
136+00	750	745.64	747.67
137+00	755	745.62	747.89
137+00	760	745.77	748.22
138+00	765	746.23	748.23
138+00	770	747.38	748.56
138+00	775	747.40 G.B.	
138+00	780	747.50 G.B.	
138+00	785	747.40 G.B.	
138+00	790	746.50 G.B.	
139+00	795	747.20 G.B.	746.56
139+00	800	747.28	748.89
139+00	805	747.14	
139+00	810	747.30 G.B.	
139+00	815	747.16	
139+00	820	747.20 G.B.	
140+00	825	746.91	746.52
140+00	830	746.69	748.85
140+00	835	730	765



Drawn By: HKD/BDL
Checked By: FTO
Date: 4/29/2014
Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
PLAN AND PROFILE ~ STA. 135+00 TO STA. 140+00

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PROP. 40' - 12" TYPE D @ -0.74%
 STA. 144+69, 24' LT., FL. EL. = 745.80
 STA. 145+09, 24' LT., FL. EL. = 745.50

REMOVE DRIVEWAY PAVEMENT,
 PLACE AGGREGATE BASE,
 PLACE 3" OF ASPHALT

REMOVE 30' - 12" PIPE

REMOVE (2) HEADWALLS

+88' - 17" ASPHALT RES. DRIVE

40.2'

EX. 12"

- 1 BAILE GUTTER CHECK
- 2 BAILE GUTTER CHECK

STATION	PROP. GUTTER LT. ELEVATION	PROP. GUTTER RT. ELEVATION	EXIST. CL. ELEVATIONS	PROP. CL. ELEVATIONS
140+00	746.91	746.69	765	746.52
141+00	746.60 G.B.	746.25	760	748.85
142+00	746.40	745.80 G.B.	755	748.21
143+00	746.20	745.60	750	748.54
144+00	746.00 G.B.	745.40	745	747.83
144+69	745.80 G.B.	745.20	740	748.16
144+70	745.80 G.B.	746.76	735	747.80
144+80	747.20 G.B.	745.40	730	748.13
144+89	747.30 G.B.	747.02		747.81
144+98	747.30 G.B.	745.20		748.14
145+00			765	747.54
			760	747.87



Drawn By: HKD/BDL
 Checked By: FTO

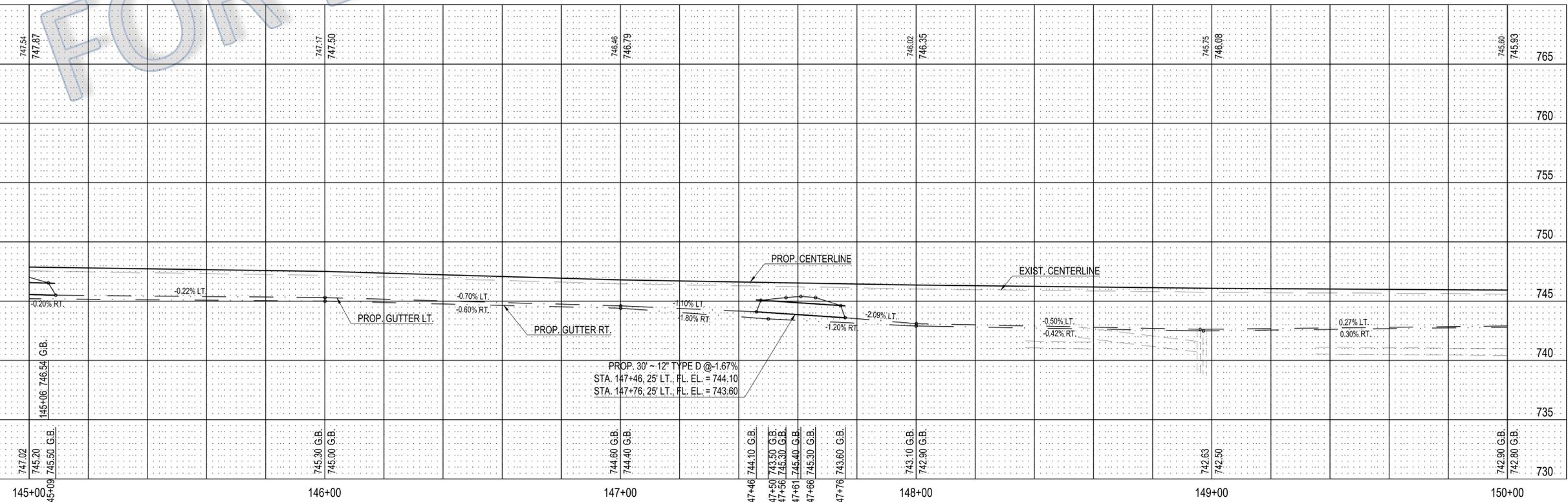
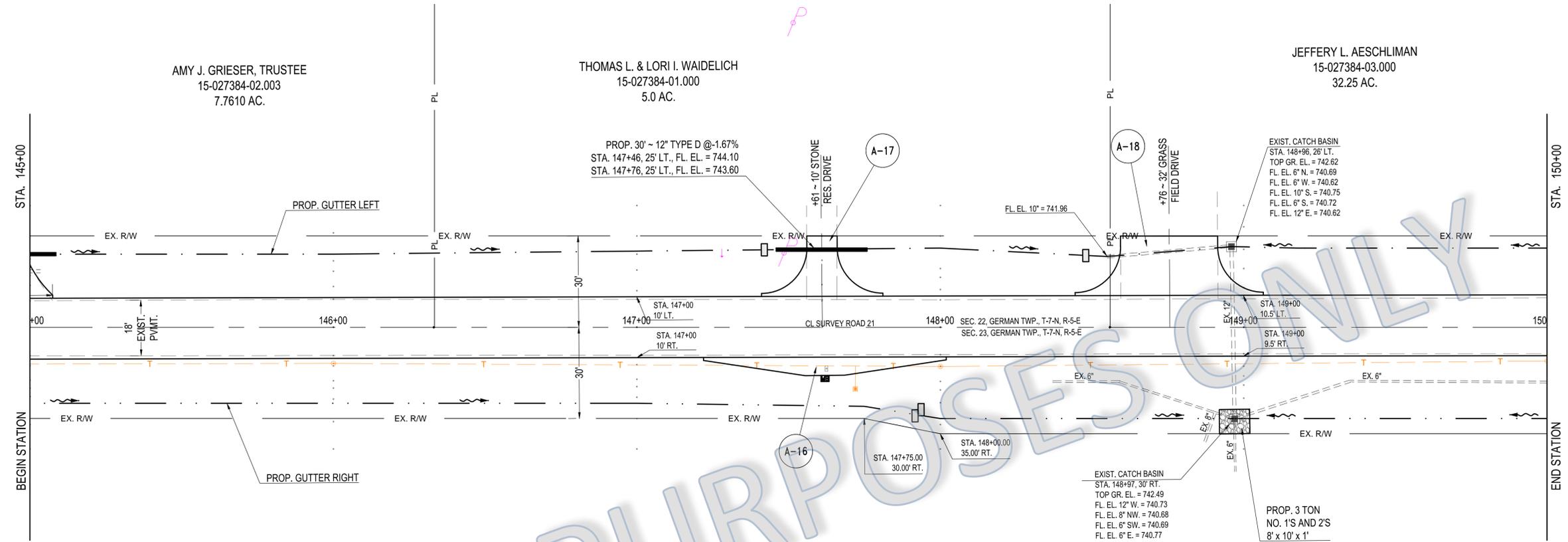
Date: 4/29/2014
 Revised: N/A

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14
 39

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 140+00 TO STA. 145+00

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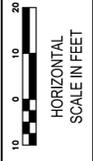
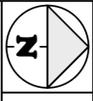
AMY J. GRIESER, TRUSTEE
15-027384-02.003
7.7610 AC.

THOMAS L. & LORI I. WADELICH
15-027384-01.000
5.0 AC.

JEFFERY L. AESCHLIMAN
15-027384-03.000
32.25 AC.

SHIRLEY M. NAFZIGER, TRUSTEE
16-028460-00.000
75.0 AC.

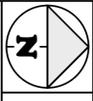
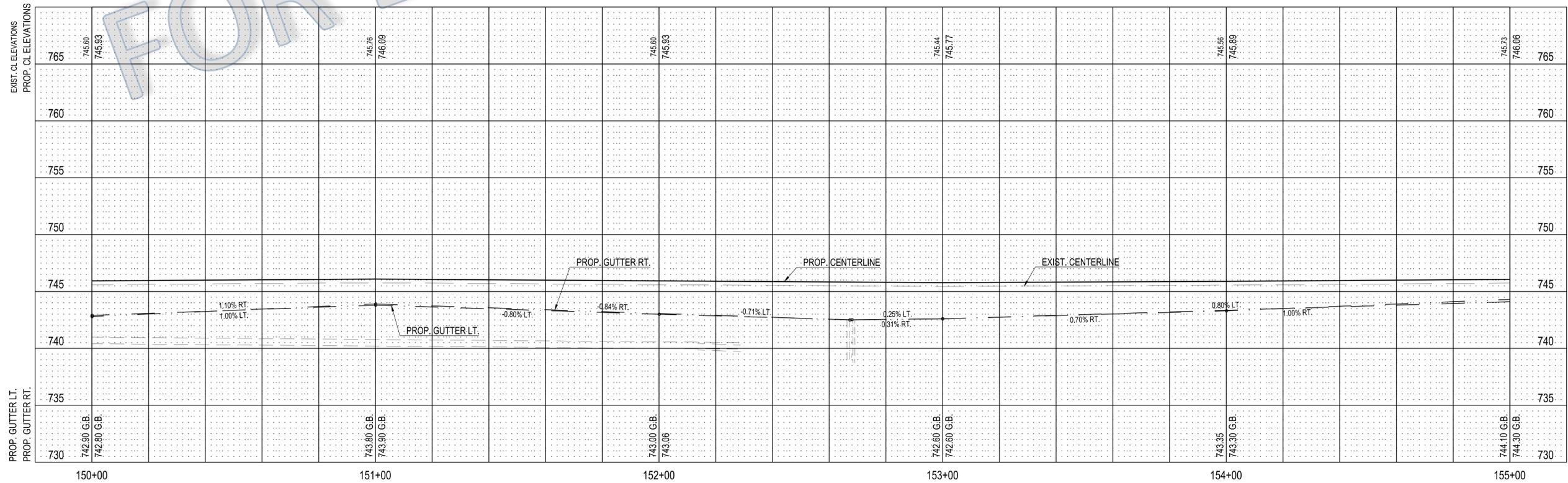
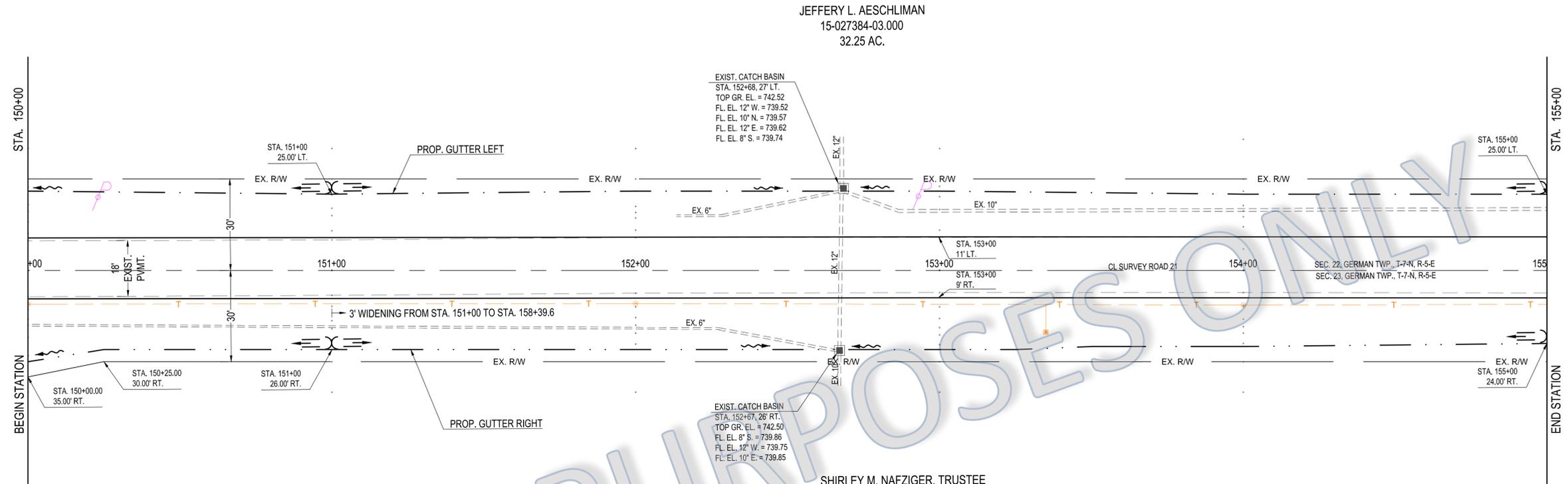
- 1 BAILE GUTTER CHECK
- 2 BAILE GUTTER CHECK



Drawn By: HKD/BDL
Checked By: FTO
Date: 4/29/2014
Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
PLAN AND PROFILE ~ STA. 145+00 TO STA. 150+00

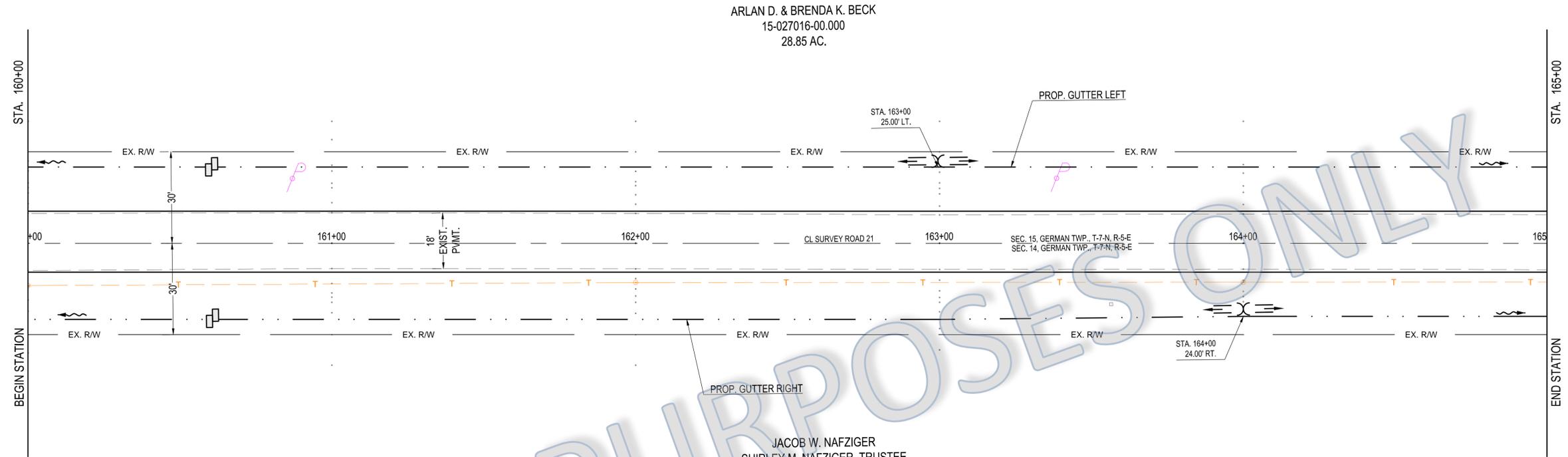
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Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 150+00 TO STA. 155+00

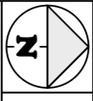
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ARLAN D. & BRENDA K. BECK
15-027016-00.000
28.85 AC.

JACOB W. NAFZIGER
SHIRLEY M. NAFZIGER, TRUSTEE
16-028424-00.000
74.75 AC.

PROP. GUTTER LT. PROP. GUTTER RT.	EXIST. CL ELEVATIONS PROP. CL ELEVATIONS		PROP. CENTERLINE	EXIST. CENTERLINE	PROP. GUTTER LT.	PROP. GUTTER RT.	SLOPE	
	730	735						740
742.80 G.B. 742.90 G.B.	744.98 745.31	745.35 745.68			0.70% LT. 0.40% RT.			160+00
743.50 G.B. 743.30 G.B.								161+00
744.00 G.B. 744.00 G.B.					0.50% LT. 0.70% RT.			162+00
744.30 G.B. 744.25					0.30% LT.			163+00
744.00 G.B. 744.50 G.B.						0.25% RT.		164+00
742.90 G.B. 743.50 G.B.						-0.30% LT. -1.00% RT. -1.10% LT.		165+00

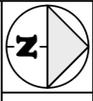
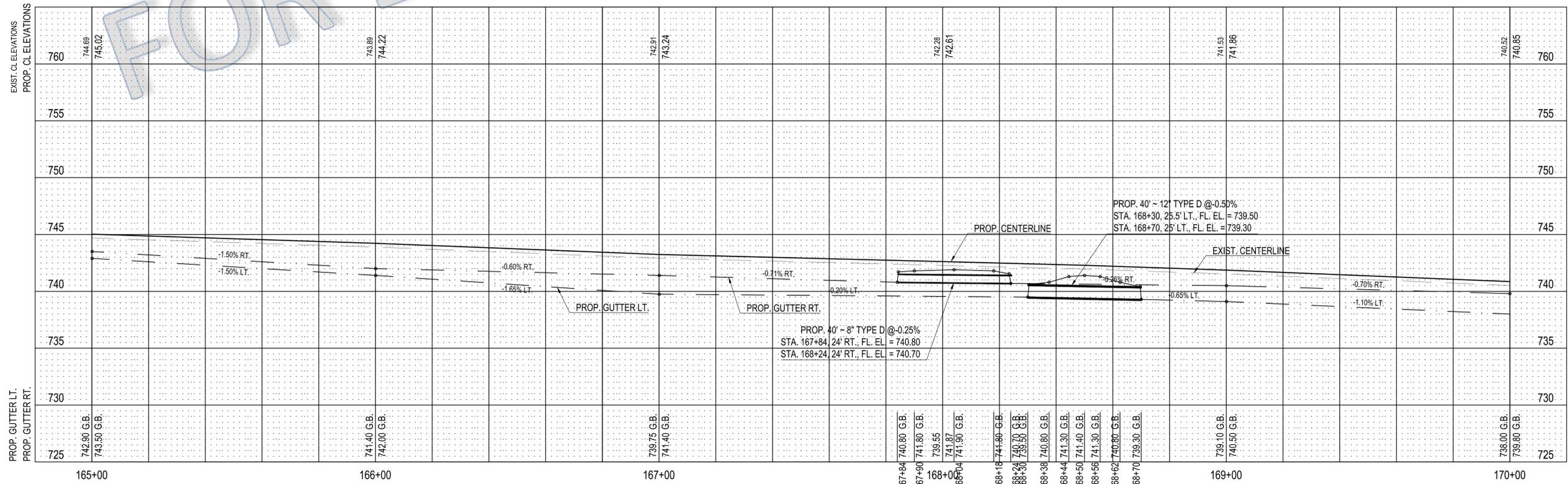
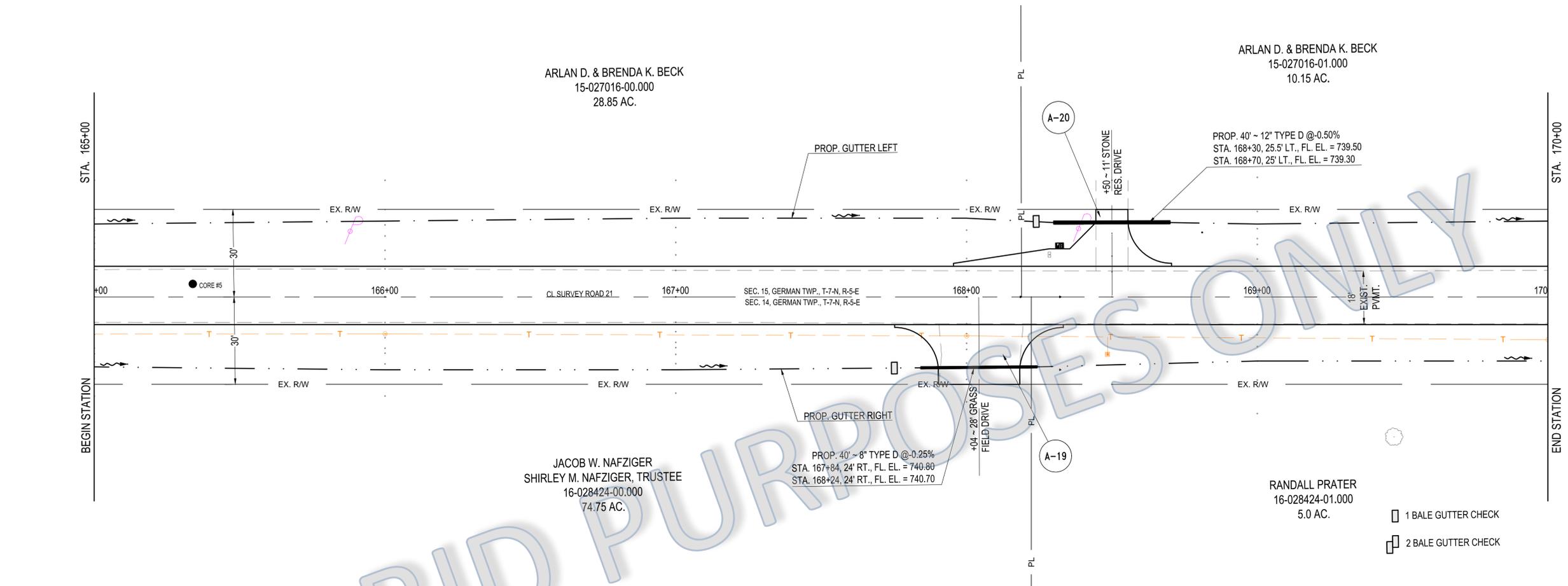


Drawn By: HKD/BDL
Checked By: FTO

Date: 4/29/2014
Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
PLAN AND PROFILE ~ STA. 160+00 TO STA. 165+00

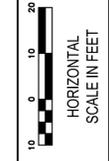
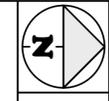
FULTON COUNTY ENGINEERING DEPT.
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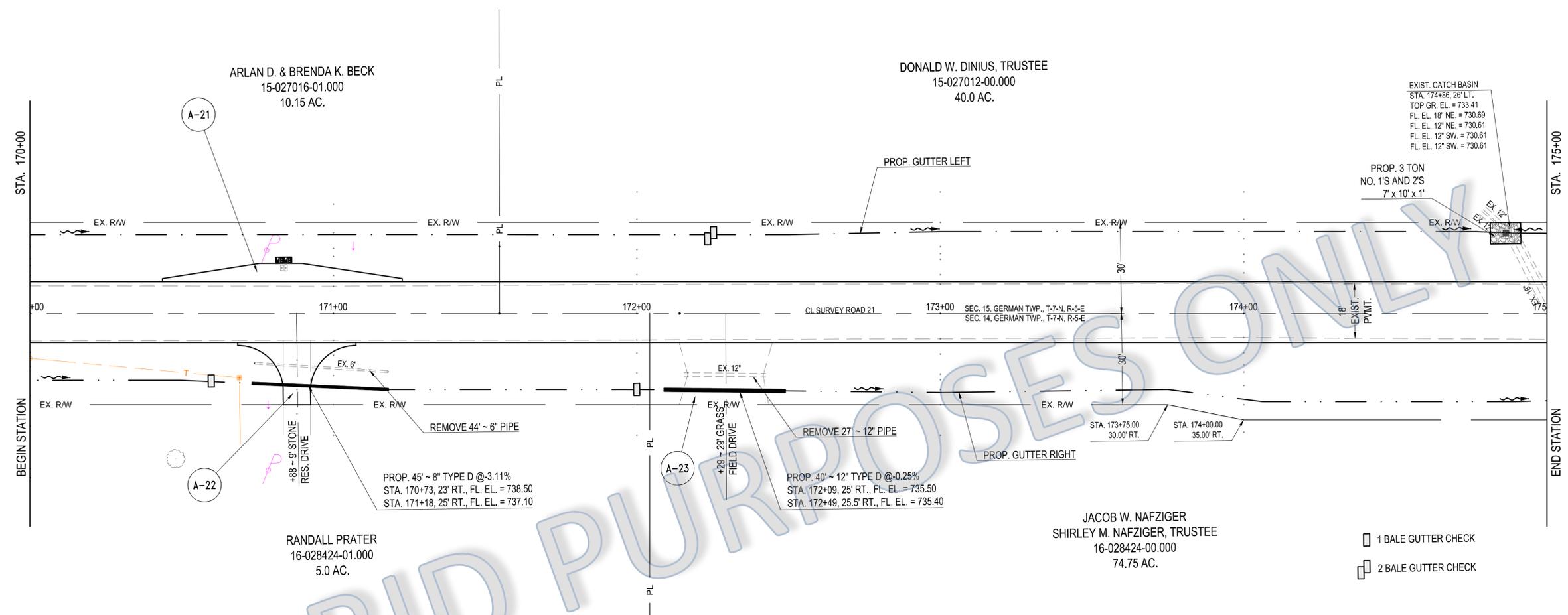
Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 N/A
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 165+00 TO STA. 170+00

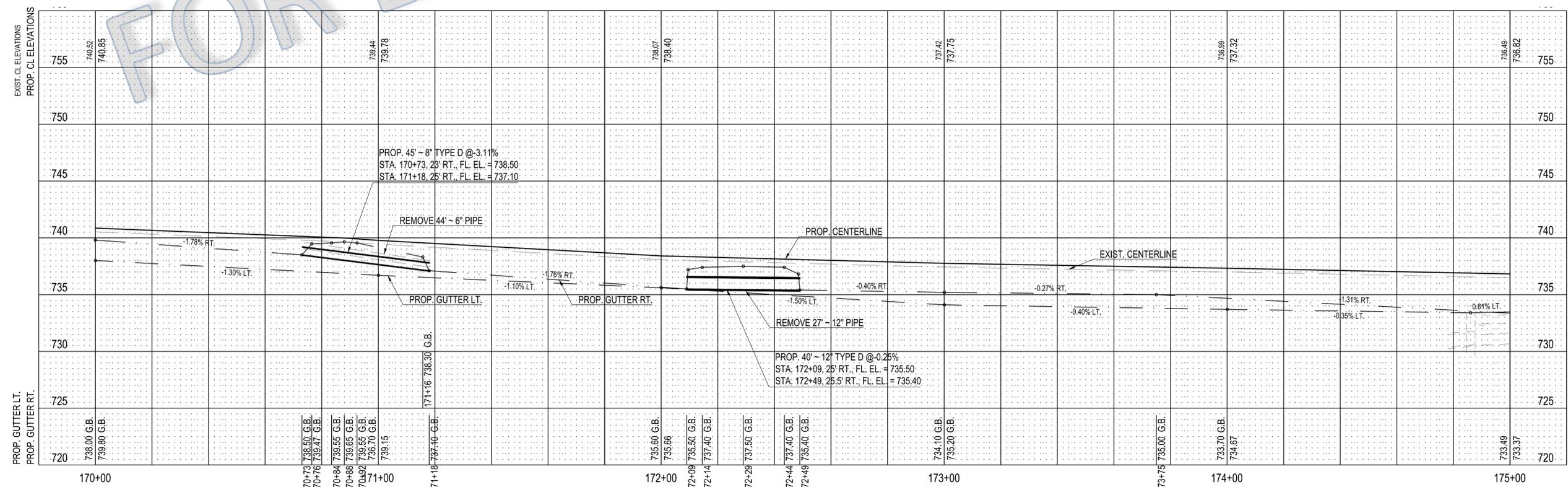
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Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 N/A
 Revised: N/A

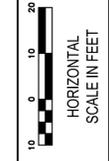
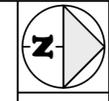


- 1 BALE GUTTER CHECK
- 2 BALE GUTTER CHECK



COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 170+00 TO STA. 175+00

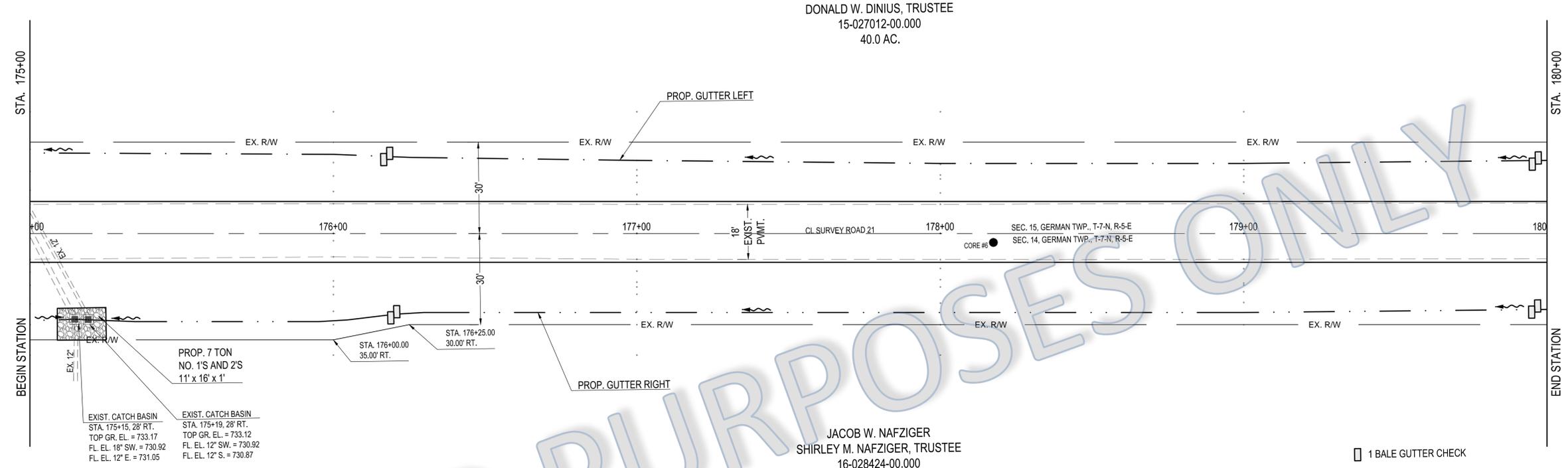
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Drawn By: HKD/BDL
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 Date: 4/29/2014
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 175+00 TO STA. 180+00

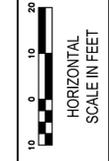
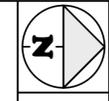
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FOR BID PURPOSES ONLY

- 1 BALE GUTTER CHECK
- 2 BALE GUTTER CHECK

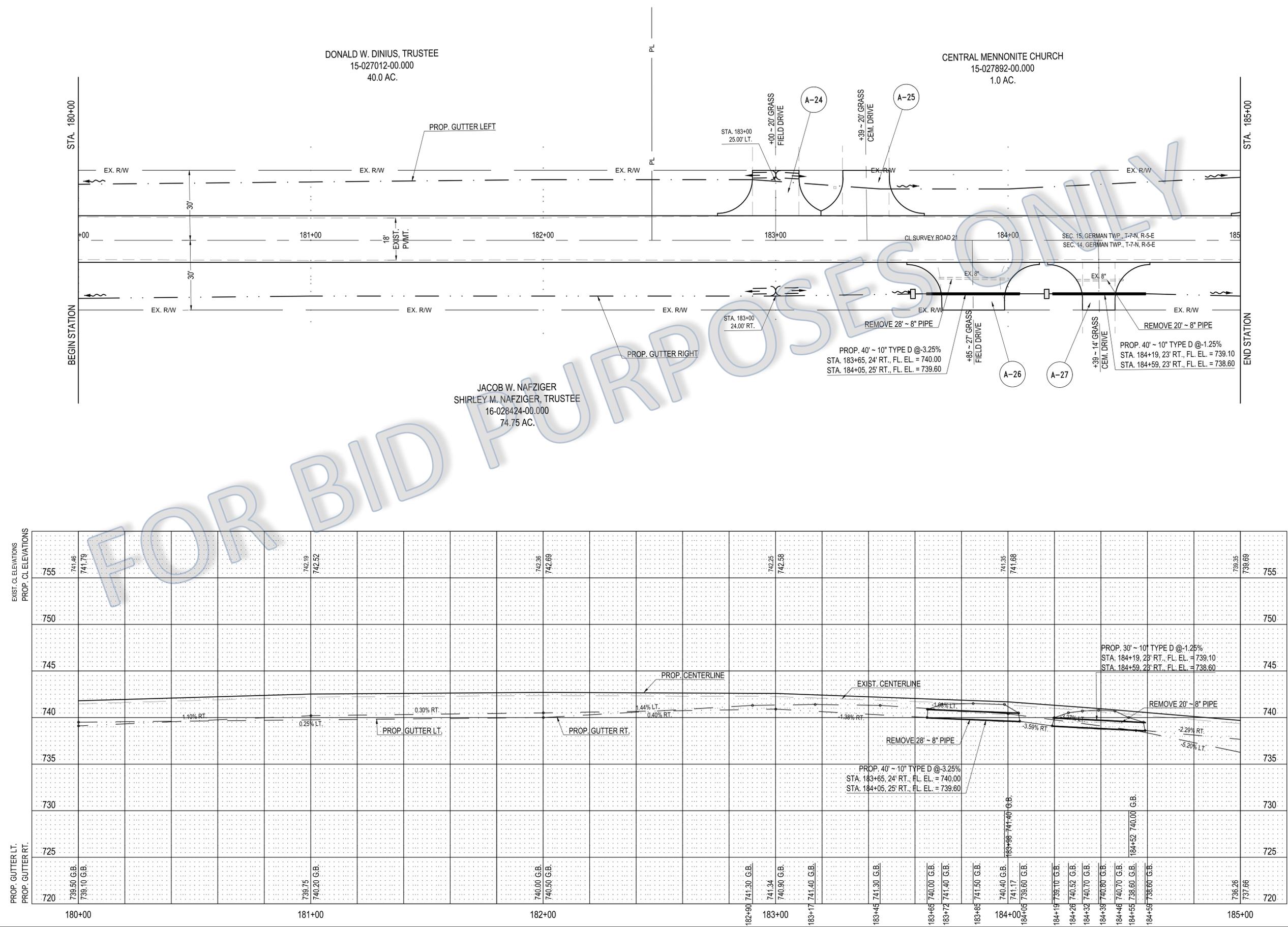
STATION	EXIST. CL ELEVATIONS	PROP. CL ELEVATIONS	PROP. GUTTER LT.	PROP. GUTTER RT.	PROP. CENTERLINE	EXIST. CENTERLINE
175+00	736.49	736.82	733.49	733.37		
176+00	736.95	737.28	734.10 C.B.	733.60 C.B.		
176+25			734.70 C.B.	734.30 C.B.		
177+00	738.01	738.35	736.07	735.30 C.B.		
178+00	739.53	739.66	737.90 C.B.	737.10 C.B.		
179+00	740.42	740.75	738.70	737.50 C.B.		
180+00	741.46	741.79	739.50 C.B.	739.10 C.B.		



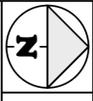
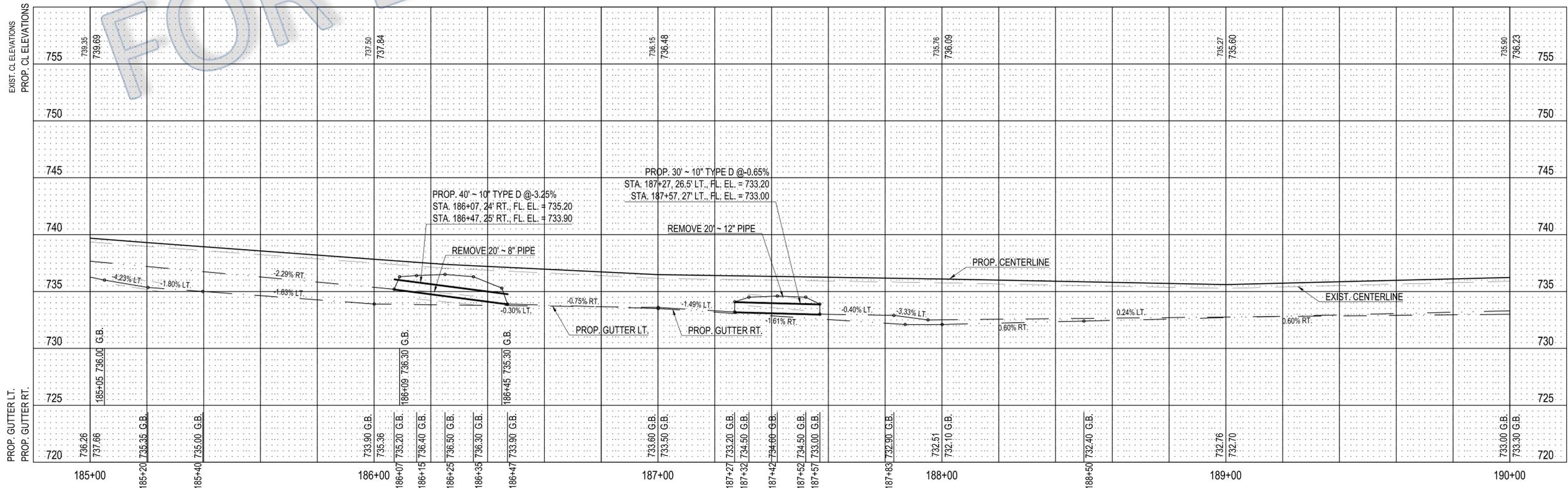
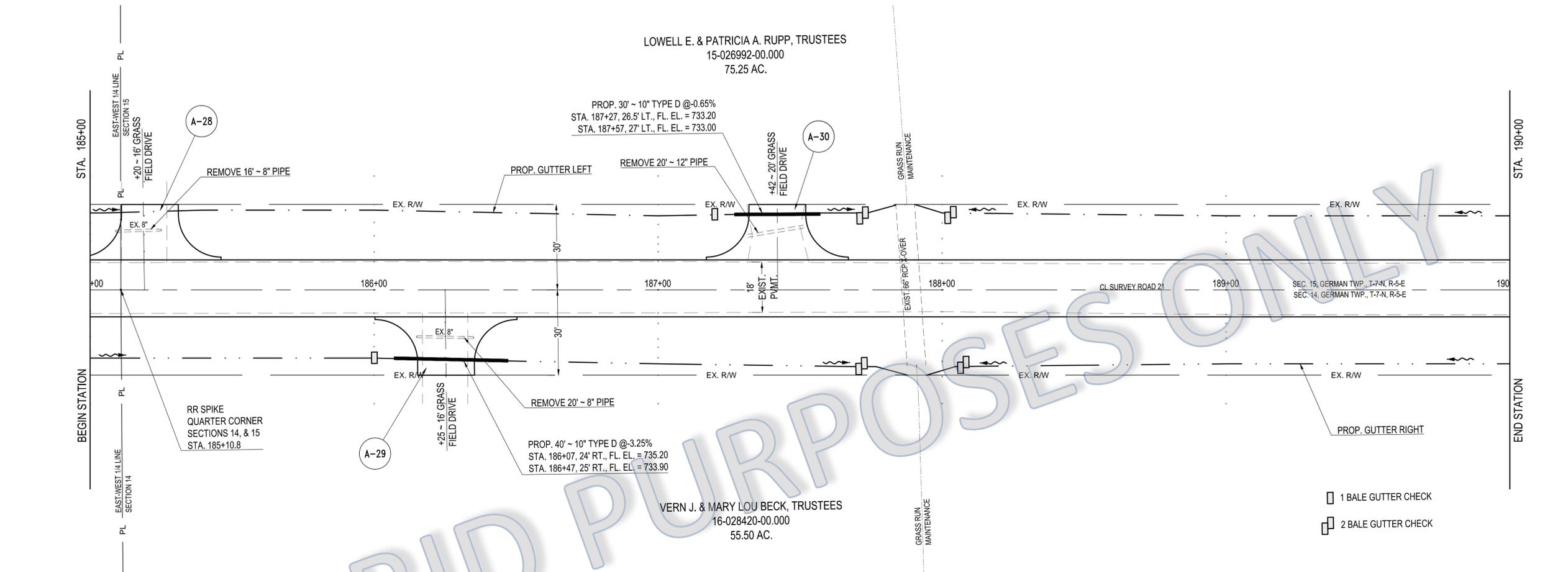
Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 N/A
 Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 180+00 TO STA. 185+00

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STATION	EXIST. CL ELEVATIONS	PROP. CL ELEVATIONS	PROP. GUTTER LT.	PROP. GUTTER RT.
180+00	755	741.46	739.50 G.B.	739.10 G.B.
181+00	750	742.19	739.75	740.20 G.B.
182+00	745	742.52	740.00 G.B.	740.50 G.B.
183+00	740	742.36	740.00 G.B.	740.90 G.B.
184+00	735	742.69	741.34	741.40 G.B.
185+00	730	742.25	741.50 G.B.	741.40 G.B.
	725	742.58	741.17	739.60 G.B.
	720	741.35	741.17	739.60 G.B.
		741.68	739.60 G.B.	739.60 G.B.
		739.35	738.60 G.B.	738.60 G.B.
		739.69	738.60 G.B.	738.60 G.B.
		755	736.26	737.66



Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revises: N/A
 Revised: N/A

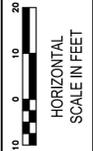
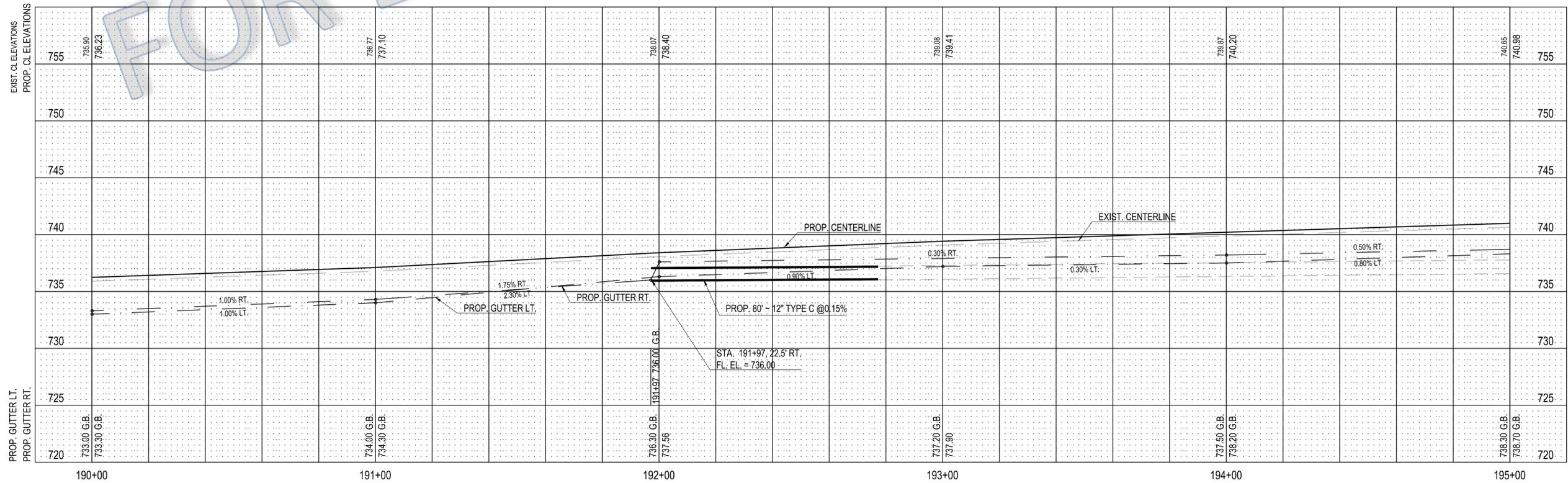
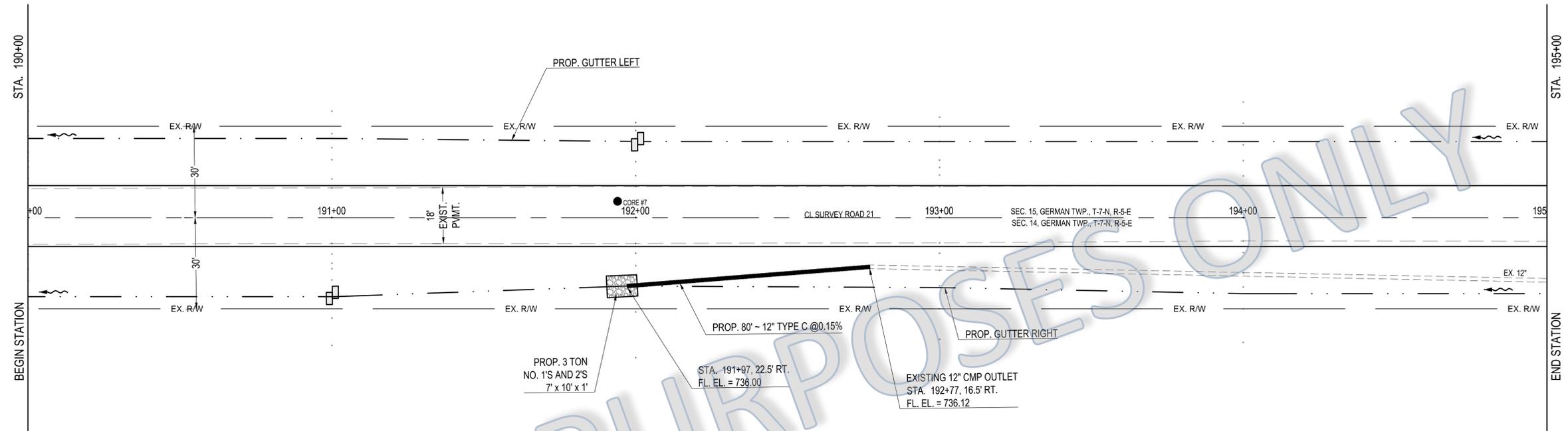
COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 185+00 TO STA. 190+00

FULTON COUNTY ENGINEERING DEPT.
 FRANK T. ONWELLER, P.E., P.S. - COUNTY ENGINEER
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23
 39

LOWELL E. & PATRICIA A. RUPP, TRUSTEES
15-026992-00.000
75.25 AC.

VERN J. & MARY LOU BECK, TRUSTEES
16-028420-00.000
55.50 AC.

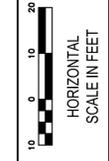
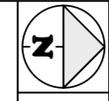


Drawn By: HKD/BDL
Checked By: FTO

Date: 4/29/2014
Revised: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
PLAN AND PROFILE ~ STA. 190+00 TO STA. 195+00

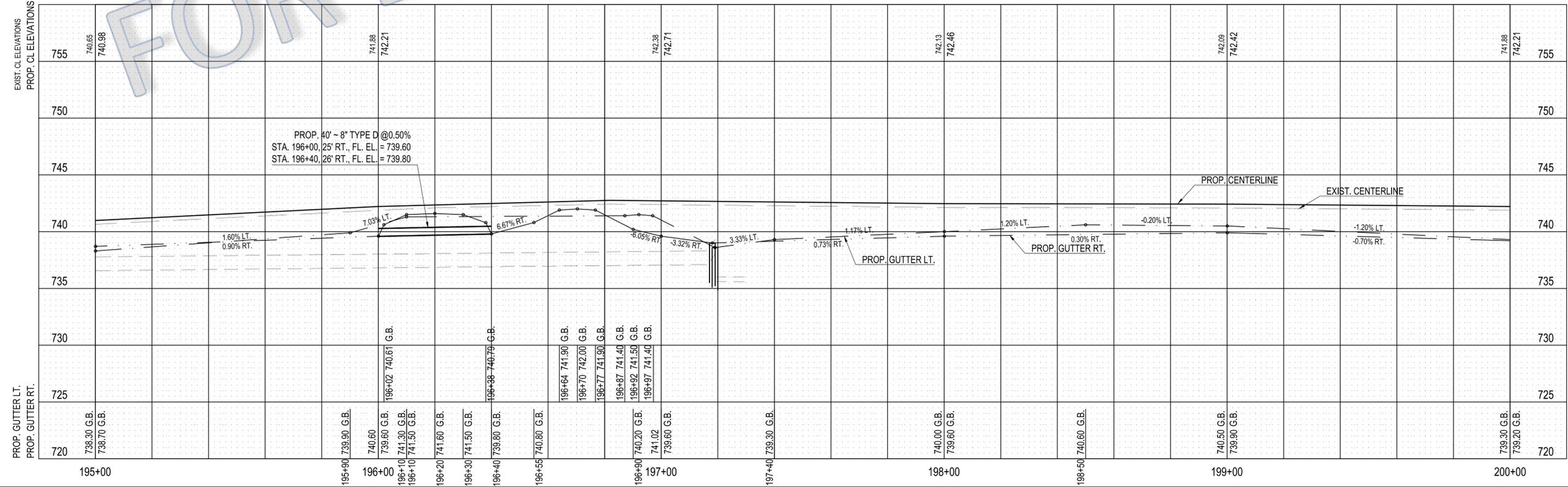
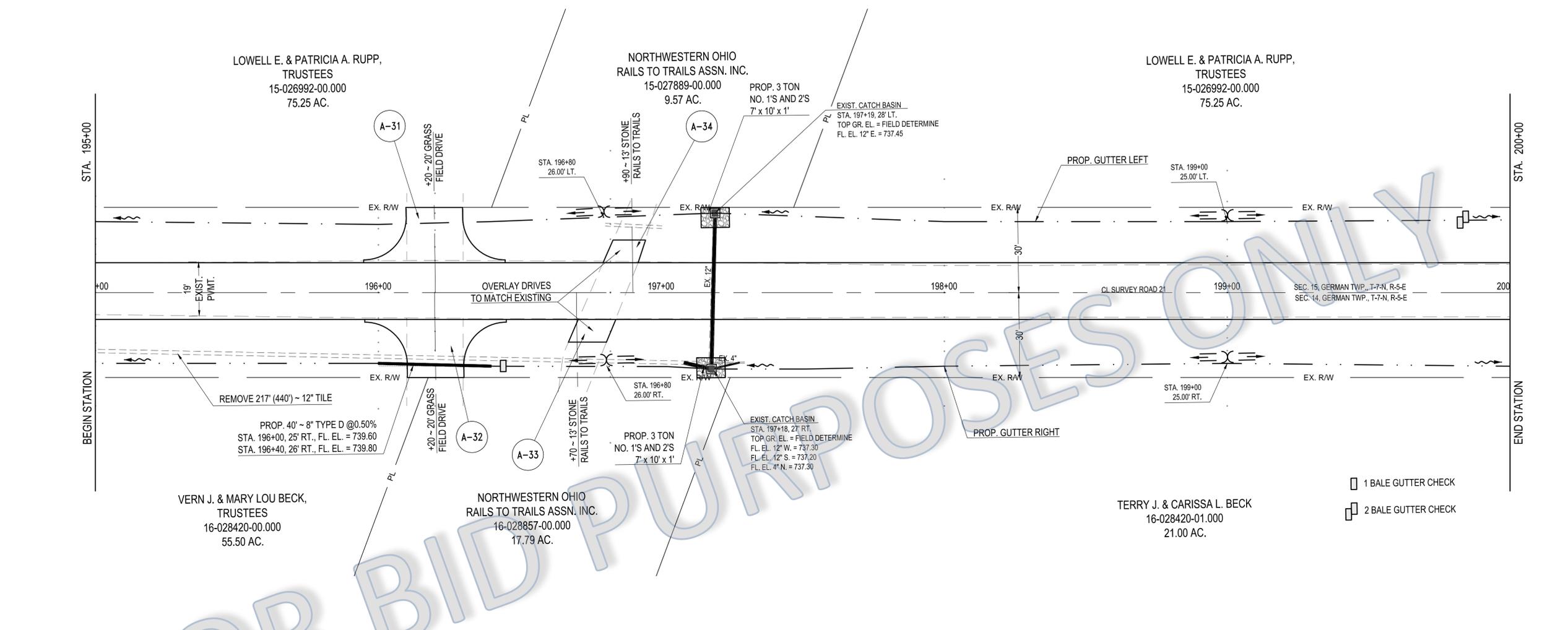
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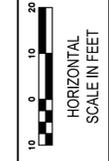
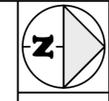


Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revises: N/A

COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 195+00 TO STA. 200+00

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Drawn By: HKD/BDL
 Checked By: FTO
 Date: 4/29/2014
 Revises: N/A

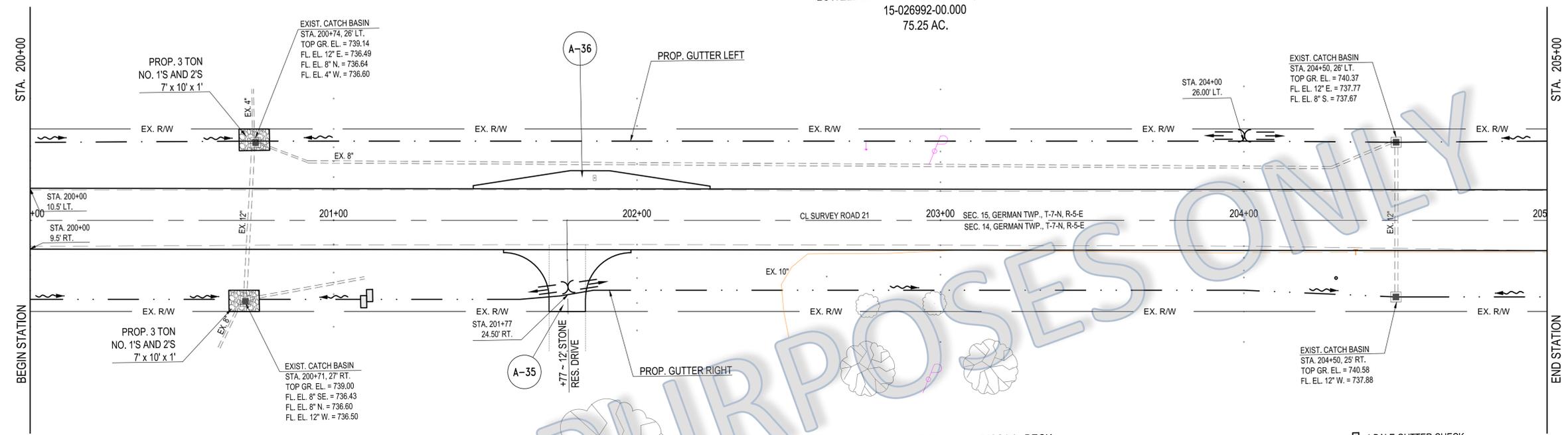
COUNTY ROAD 21 (SR 2 - ROAD H)
 PLAN AND PROFILE ~ STA. 200+00 TO STA. 205+00

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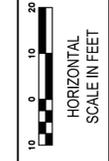
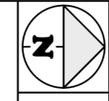
LOWELL E. & PATRICIA A. RUPP, TRUSTEES
 15-026992-00.000
 75.25 AC.

TERRY J. & CARISSA L. BECK
 16-028420-01.000
 21.00 AC.



- 1 BALE GUTTER CHECK
- 2 BALE GUTTER CHECK

PROP. GUTTER LT. PROP. GUTTER RT.	EXIST. CL ELEVATIONS PROP. CL ELEVATIONS		PROP. GUTTER LT.		PROP. GUTTER RT.		STATION
	720	725	730	735	740	745	
739.30 G.B. 739.20 G.B.	741.88 742.21	741.80 742.13					200+00
739.19 739.10 G.B.							201+00
742.10 G.B. 742.20 G.B. 742.10 G.B.							201+71 201+77 201+83
739.40 G.B. 741.50 G.B.							202+00
740.00 G.B. 741.25							203+00
740.50 G.B. 741.00 G.B.							204+00
740.50 740.68							205+00

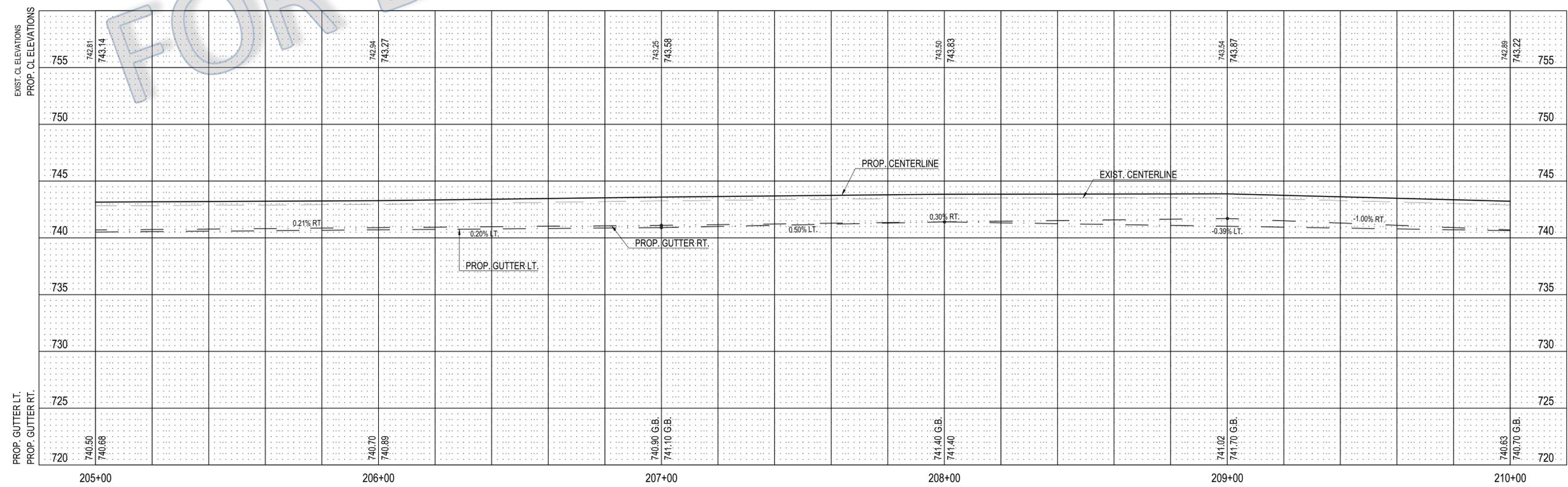
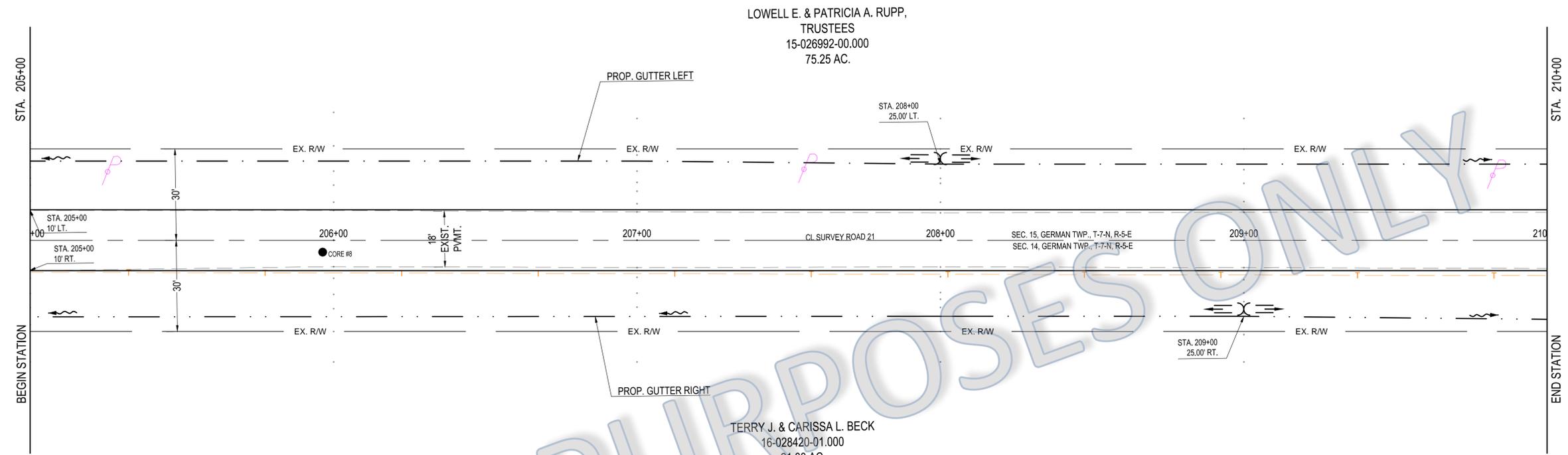


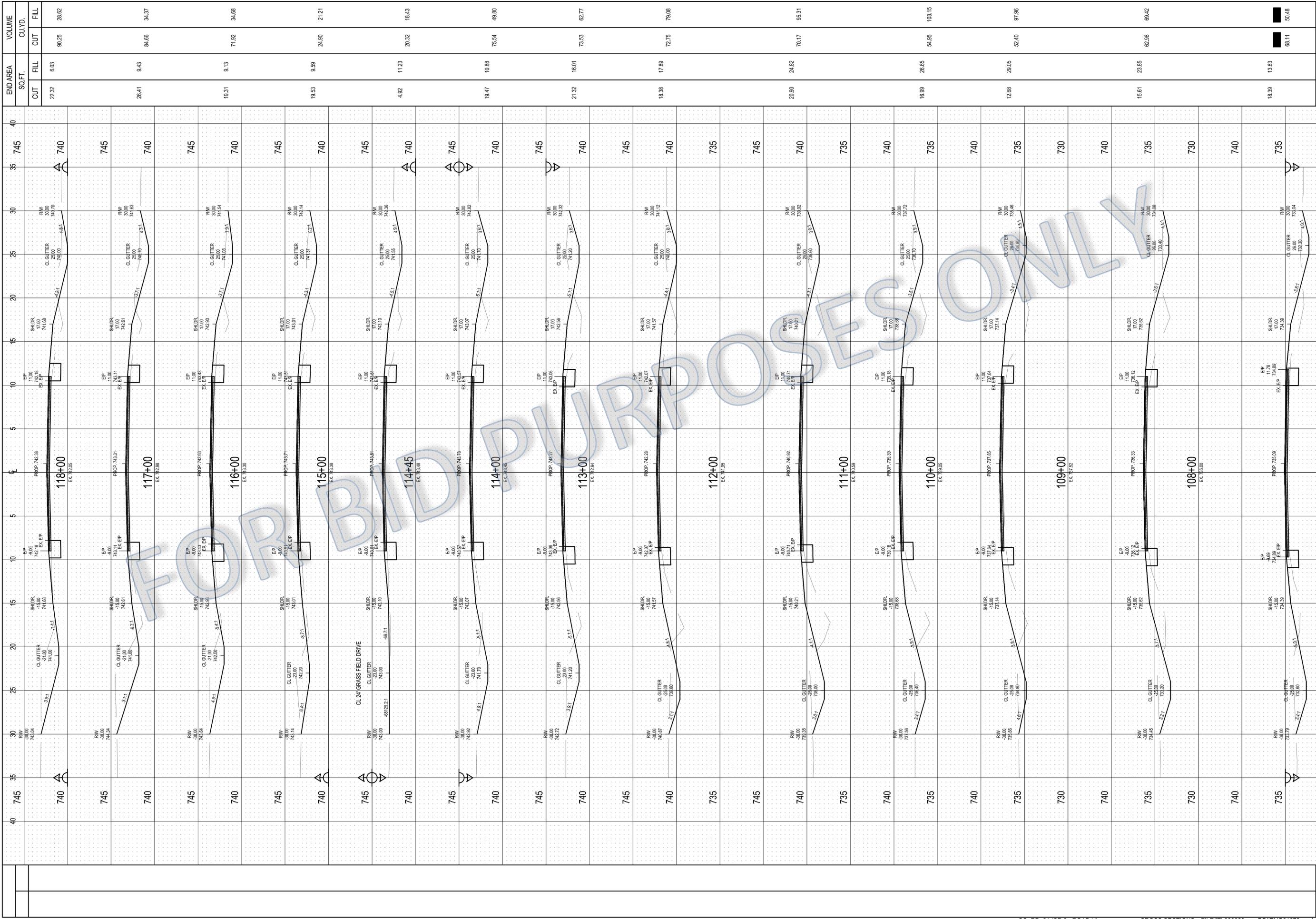
Drawn By: HKD/BDL
Checked By: FTO

Date: 4/29/2014
Revised: N/A

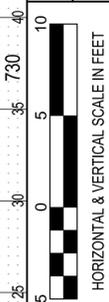
COUNTY ROAD 21 (SR 2 - ROAD H)
PLAN AND PROFILE ~ STA. 205+00 TO STA. 210+00

FULTON COUNTY ENGINEERING DEPT.
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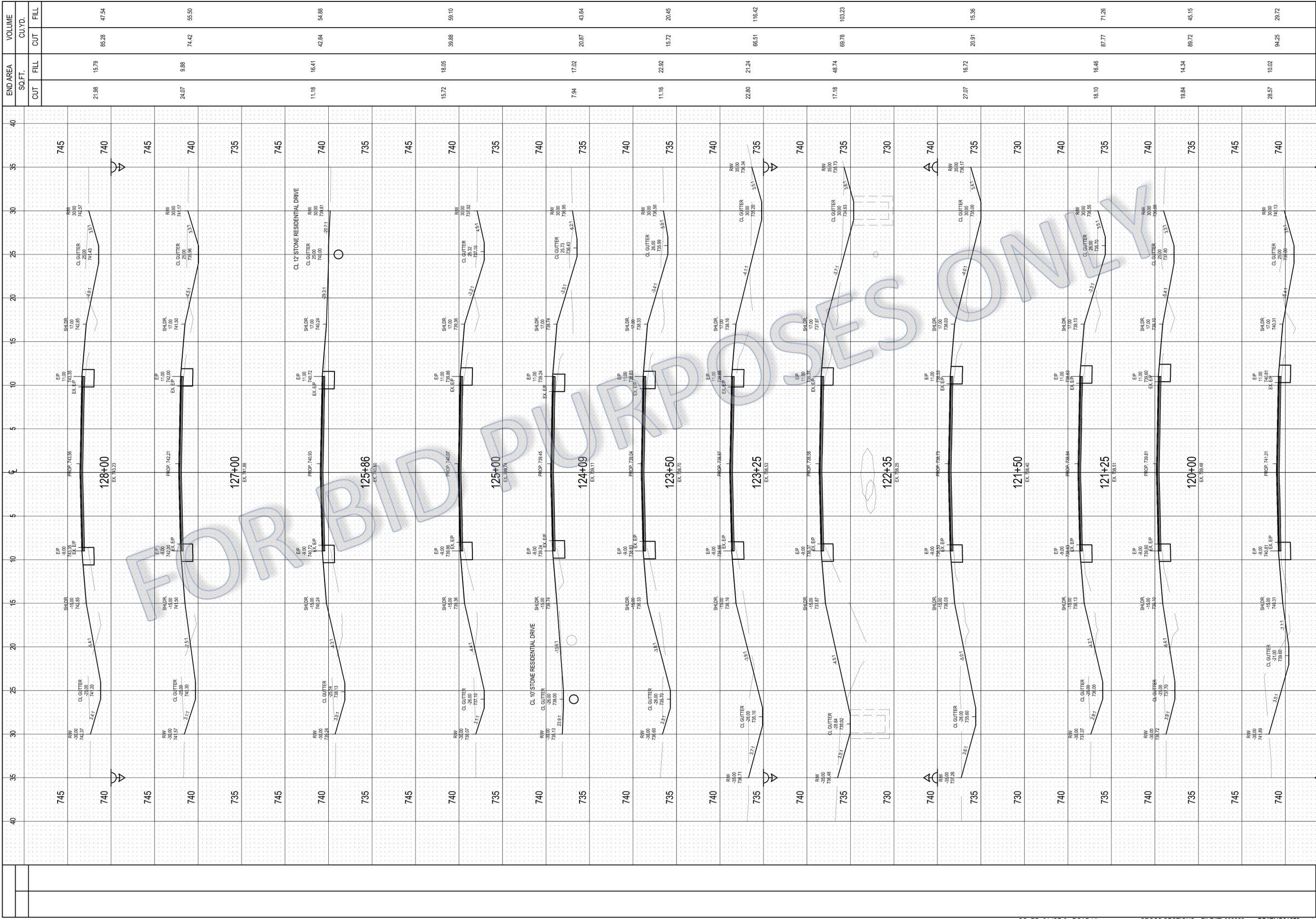


STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
107+00	22.32	6.03	90.25	28.62
118+00	28.41	9.43	84.66	34.37
117+00	19.31	9.13	71.92	34.88
116+00	19.53	9.59	24.90	21.21
115+00	4.92	11.23	20.32	18.43
114+45	19.47	10.88	75.54	49.90
114+00	21.32	16.01	73.53	62.77
113+00	18.38	17.89	72.75	79.08
112+00	20.90	24.82	70.17	95.31
111+00	16.99	26.65	54.95	103.15
110+00	12.68	29.05	52.40	97.96
109+00	15.61	23.85	62.98	69.42
108+00	18.39	13.63	66.11	50.48
TOTAL	822.4	745.3	822.4	745.3

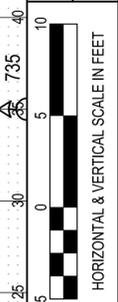


COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 107+00 TO STA. 118+00

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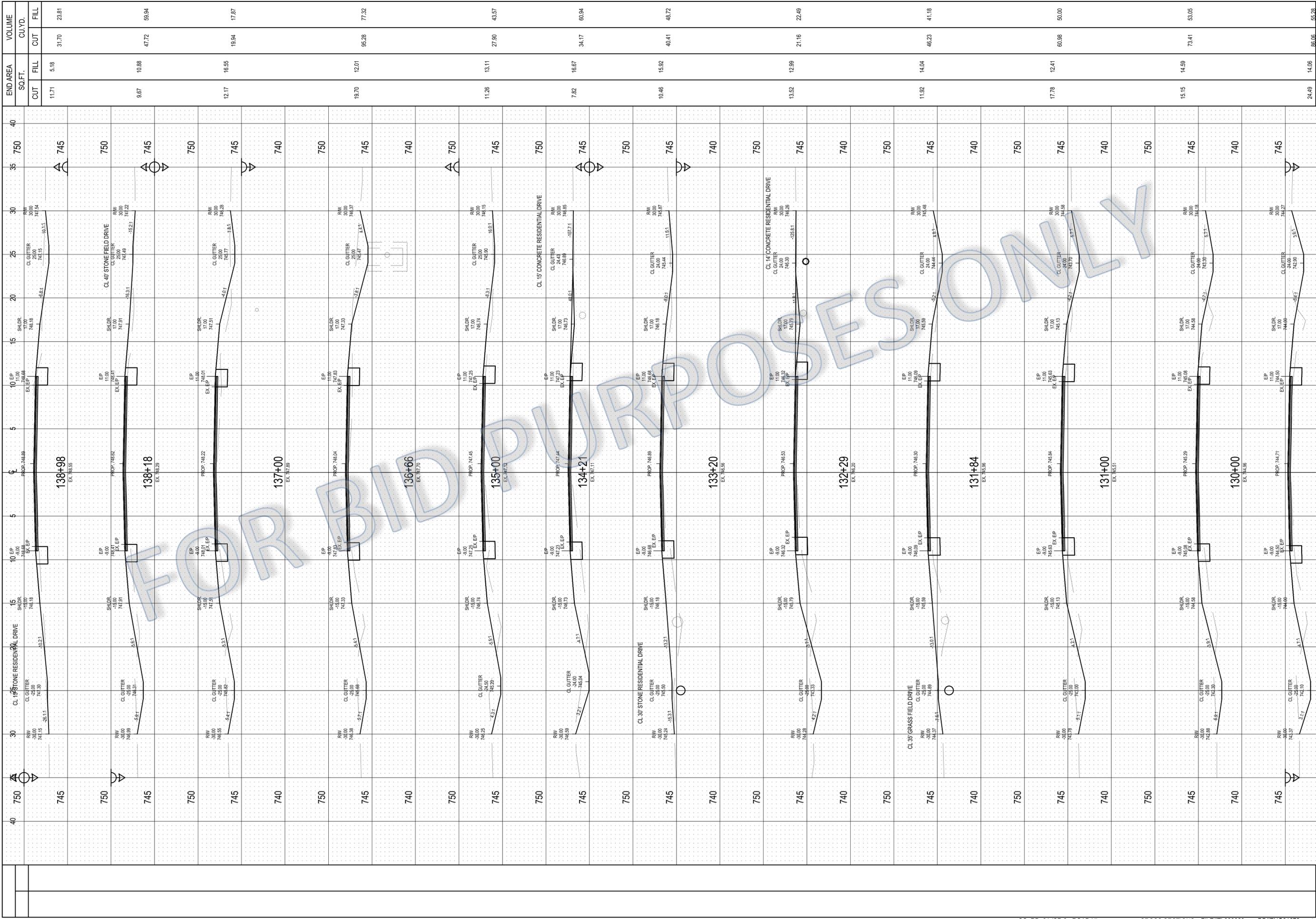
STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
119+00	11.18	16.41	21.96	65.28
120+00	15.72	18.05	24.07	74.42
121+00	7.94	17.02	15.79	47.54
122+00	11.16	22.92	15.72	20.45
123+00	22.80	21.24	66.51	116.42
124+00	17.18	48.74	68.78	103.23
125+00	27.07	16.72	20.91	15.36
126+00	18.10	16.46	87.77	71.26
127+00	19.84	14.34	88.72	45.15
128+00	26.57	10.02	94.25	29.72
TOTAL	708.0	622.3	708.0	622.3



COUNTY ROAD 21 (SR 2 - ROAD H)
CROSS SECTIONS ~ STA. 119+00 TO STA. 128+00

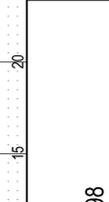
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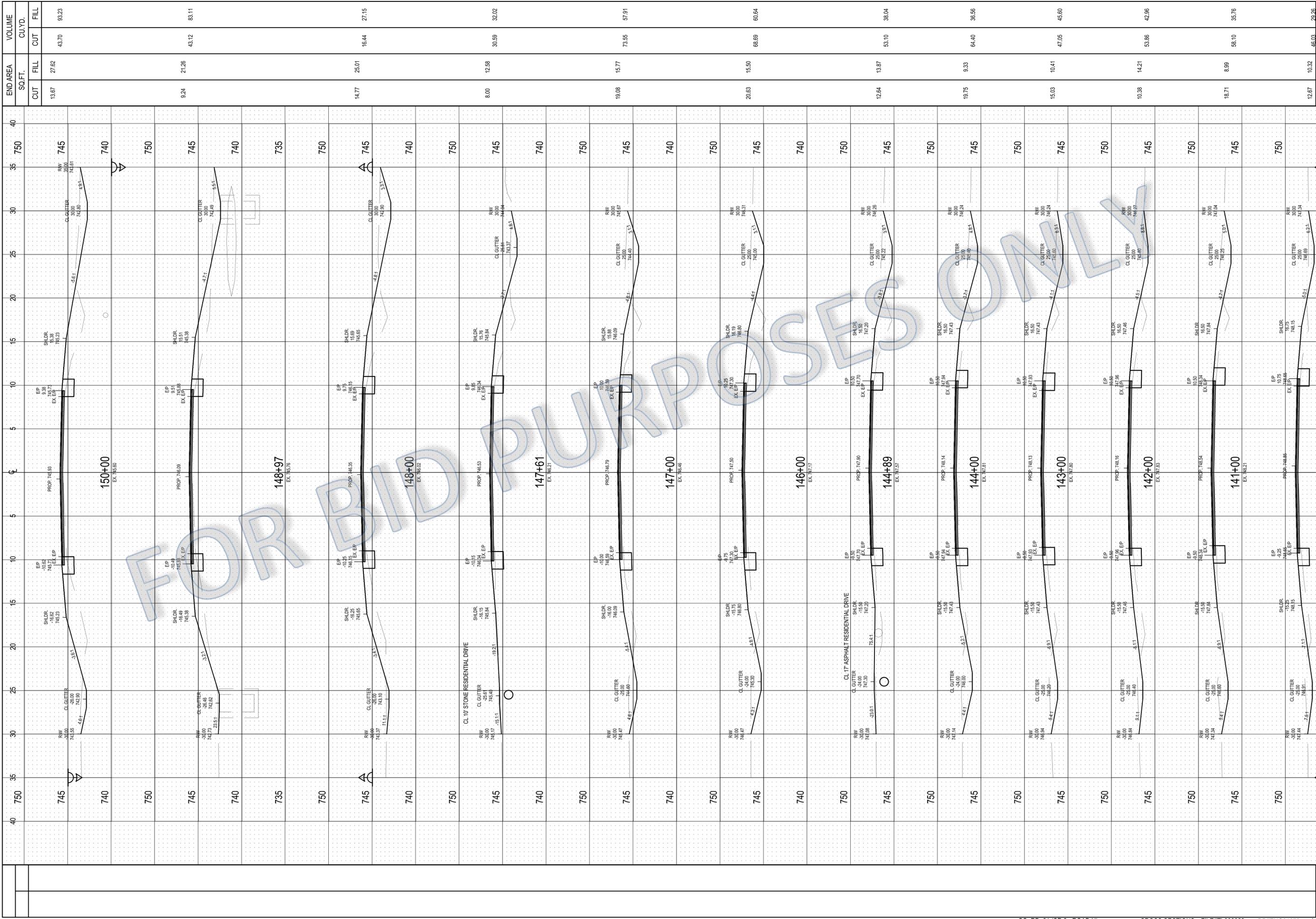
STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
129+00	11.71	5.18	31.70	23.81
130+00	9.67	10.88	47.72	59.94
131+00	12.17	16.55	19.94	17.87
132+00	19.70	12.01	95.28	77.32
133+00	11.26	13.11	27.90	43.57
134+00	7.82	16.87	34.17	60.94
135+00	10.46	15.92	40.41	48.72
136+00	13.52	12.99	21.16	22.49
137+00	11.92	14.04	46.23	41.18
138+00	17.78	12.41	60.98	50.00
138+98	15.15	14.59	73.41	53.05
TOTAL	24.49	14.06	95.05	55.28
			554.2	54.2

Date: 4/29/2014
 Drawn By: HKD/BDI
 Checked By: FTO

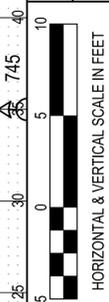


COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 129+00 TO STA. 138+98

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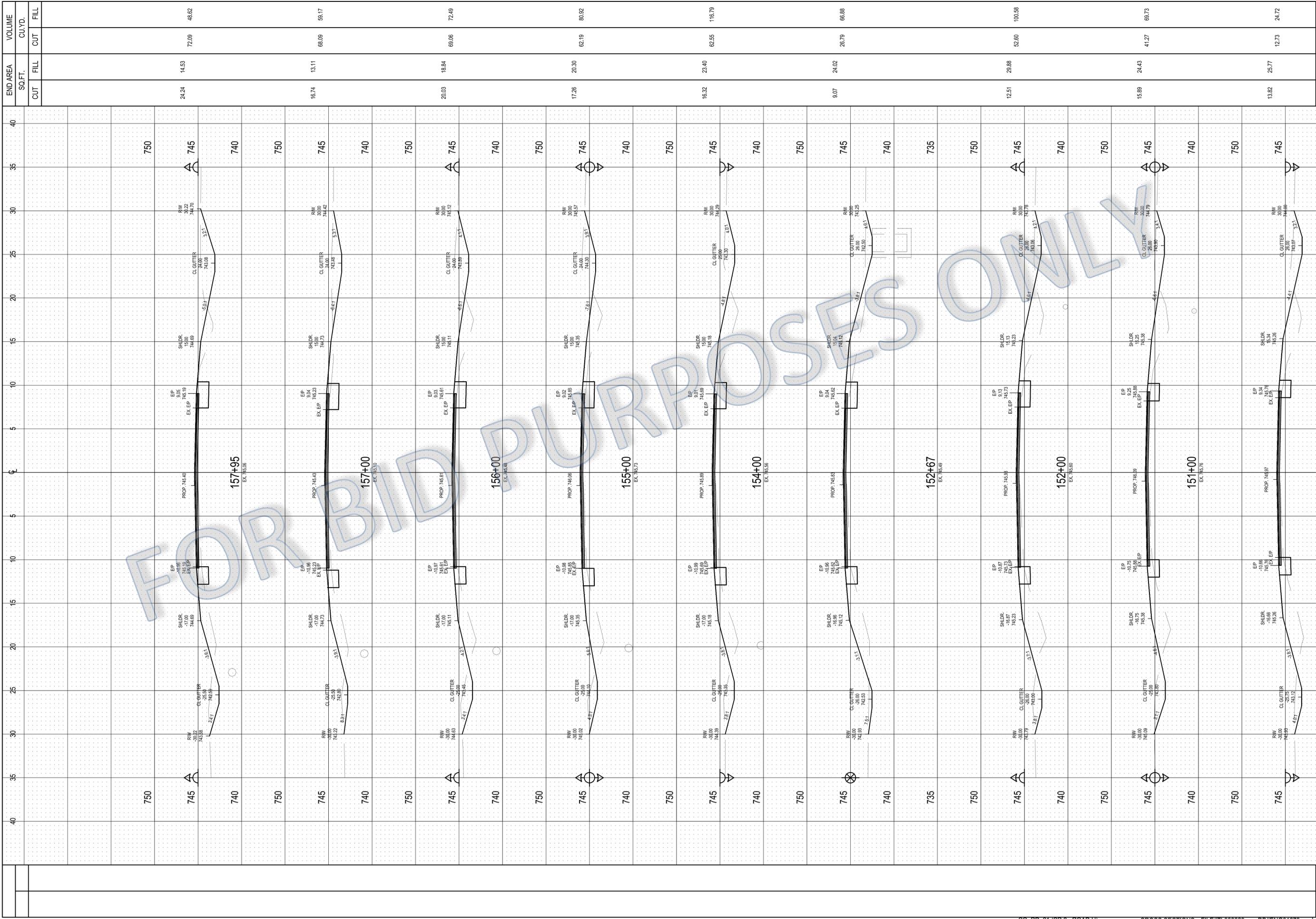


STATION	END AREA		VOLUME	
	SQ.FT.	FILL	CU.YD.	FILL
140+00	13.67	27.62	43.70	93.23
141+00	9.24	21.26	43.12	83.11
142+00	14.77	25.01	16.44	27.15
143+00	8.00	12.58	30.59	32.02
144+00	19.08	15.77	73.55	57.91
145+00	20.63	15.50	66.69	60.64
146+00	12.64	13.87	53.10	38.04
147+00	19.75	9.33	64.40	36.56
148+00	15.03	10.41	47.05	46.60
149+00	10.38	14.21	53.86	42.96
150+00	18.71	8.99	58.10	35.76
TOTAL	12.67	10.32	46.03	28.26
			598.7	582.2

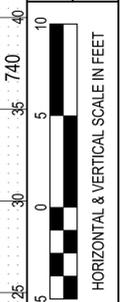


COUNTY ROAD 21 (SR 2 - ROAD H)
CROSS SECTIONS ~ STA. 140+00 TO STA. 150+00

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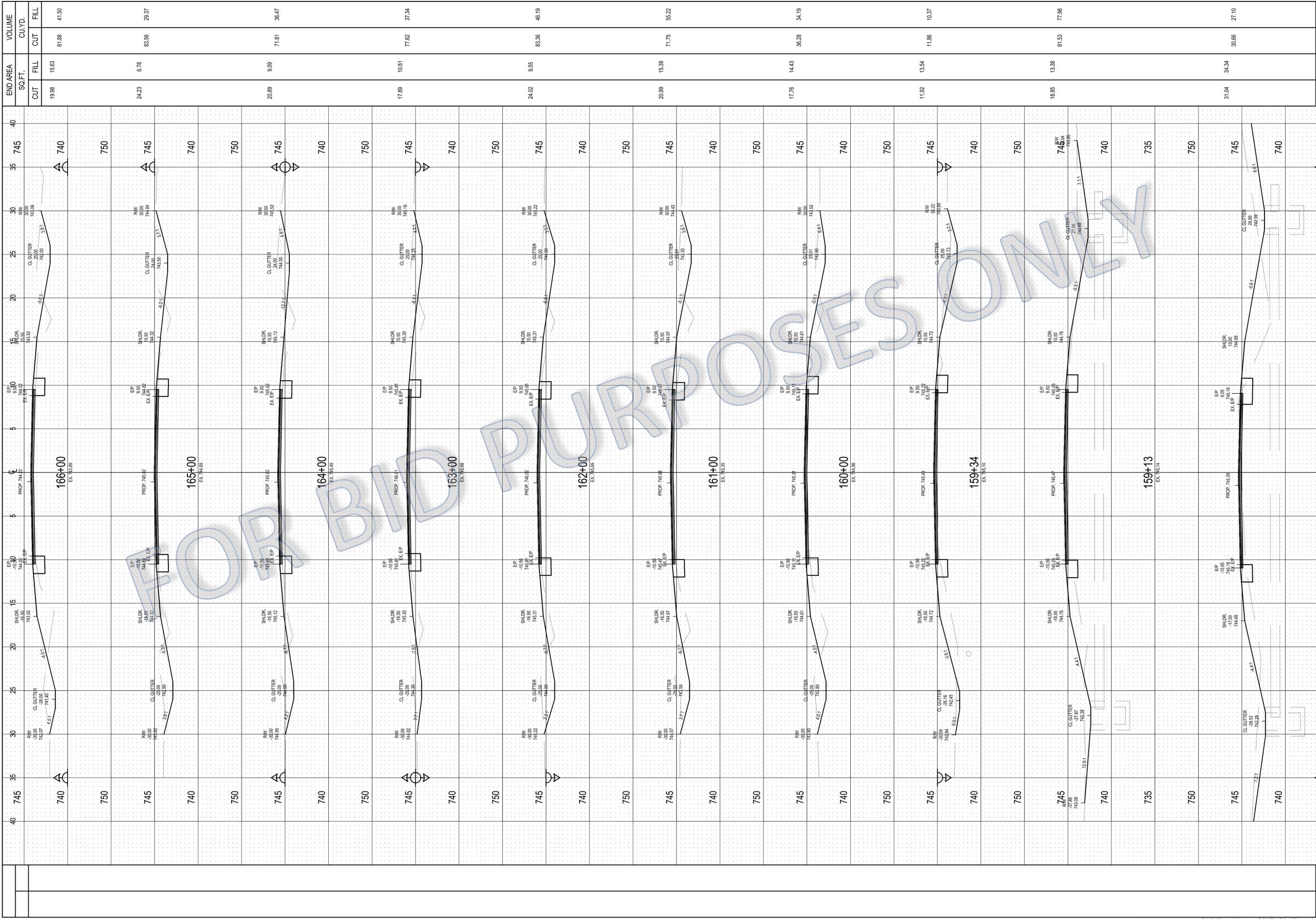


STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
150+25	13.82	25.77	12.73	24.72
151+00	15.89	24.43	41.27	69.73
152+00	12.51	29.86	52.60	100.56
152+67	9.07	24.02	26.79	66.88
154+00	16.32	23.40	62.55	116.79
155+00	17.26	20.30	62.19	80.92
156+00	20.03	18.84	69.06	72.49
157+00	16.74	13.11	68.09	59.17
157+95	24.24	14.53	72.09	48.82
TOTAL	146.74	146.74	467.4	639.9

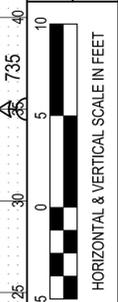


COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 150+25 TO STA. 157+95

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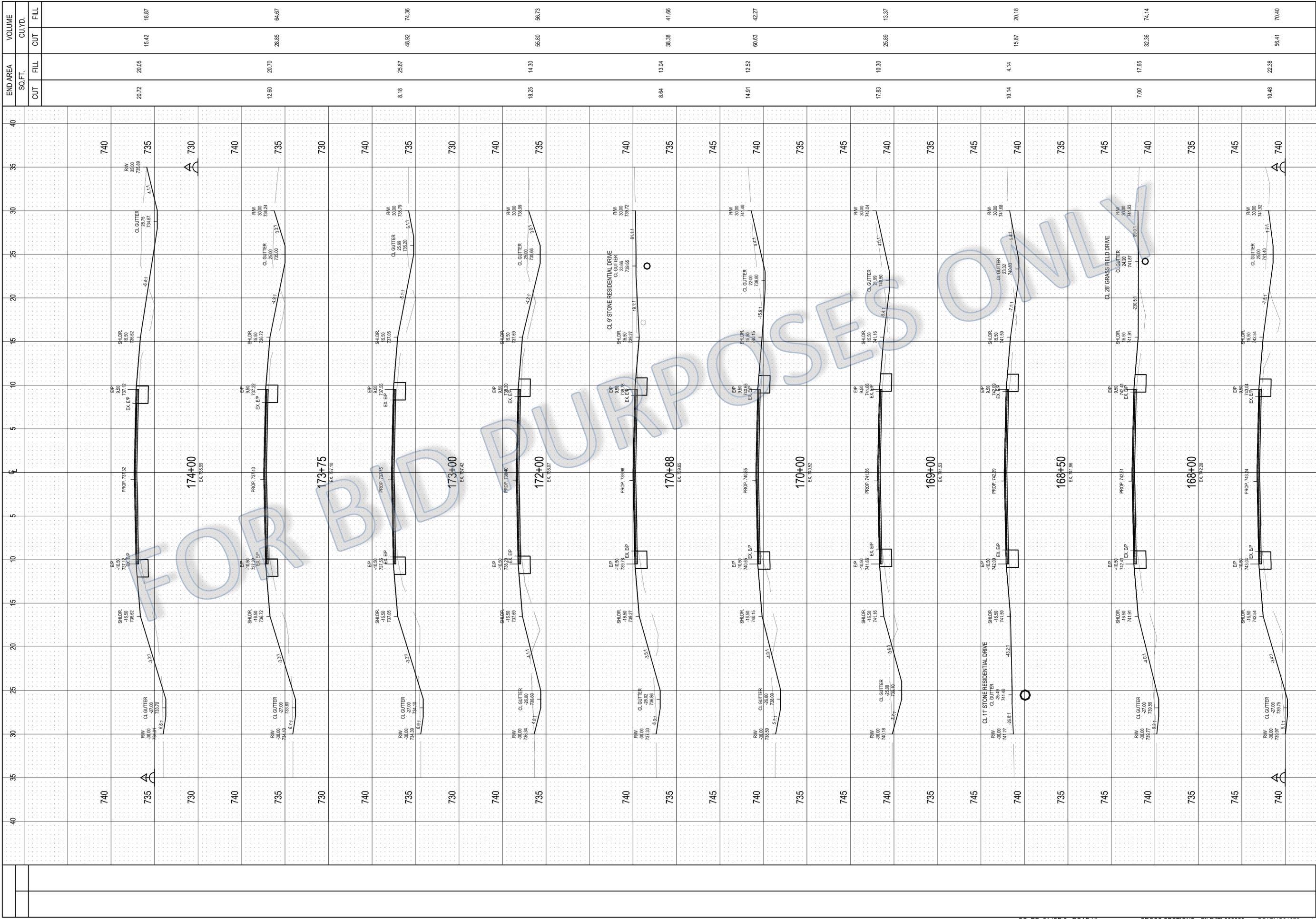


STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
158+00	19.98	15.63	81.88	41.50
159+00	24.23	6.78	83.56	29.37
160+00	20.89	9.09	71.81	36.47
161+00	17.89	10.61	77.62	37.34
162+00	24.02	9.55	83.36	46.19
163+00	20.99	15.39	71.75	55.22
164+00	17.76	14.43	36.28	34.19
165+00	11.92	13.54	11.86	10.37
166+00	18.85	13.38	81.53	77.98
TOTAL	31.04	34.34	30.66	27.10

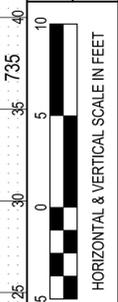


COUNTY ROAD 21 (SR 2 - ROAD H)
CROSS SECTIONS ~ STA. 158+25 TO STA. 166+00

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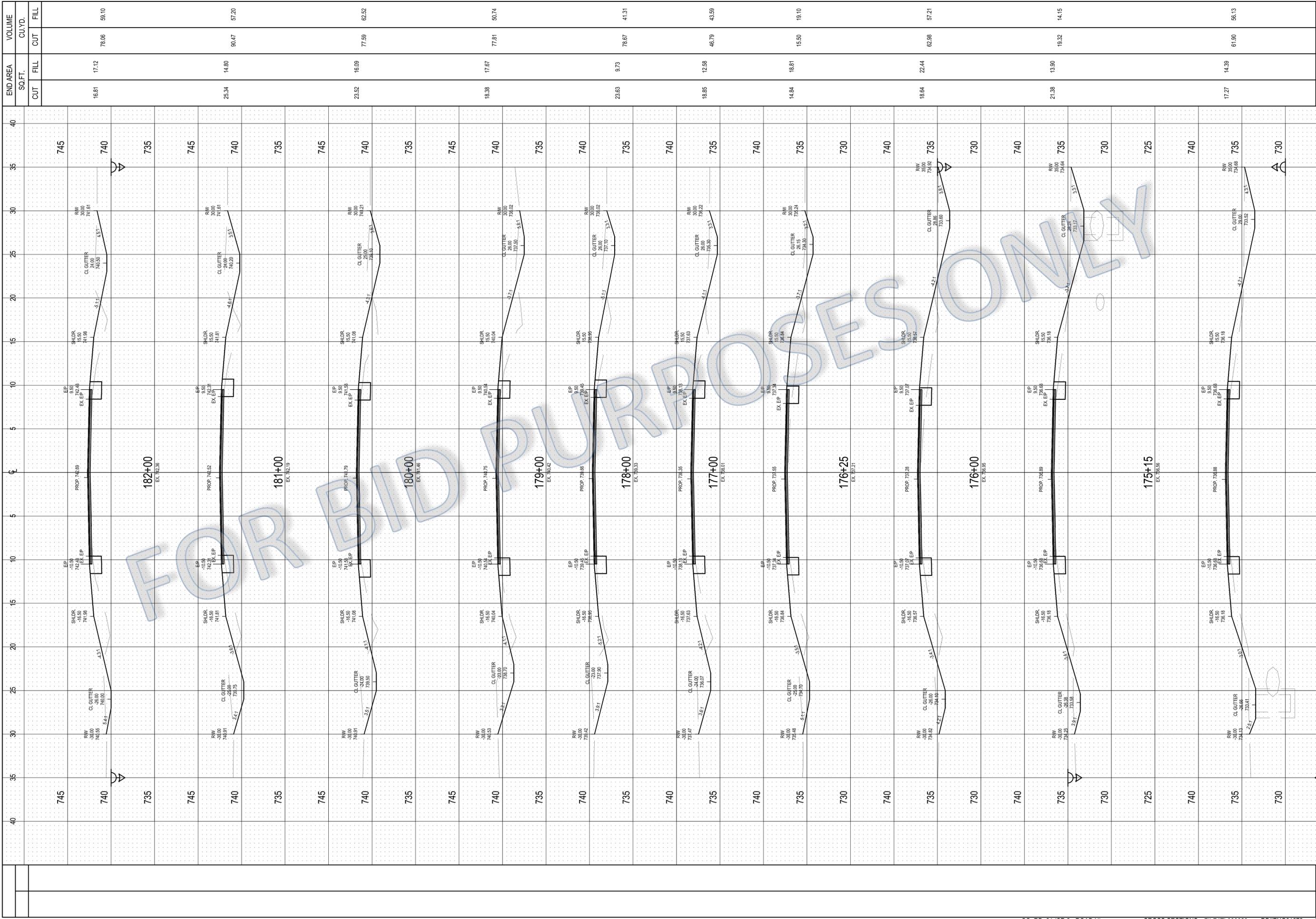
STATION	END AREA		VOLUME	
	SQ.FT.	FILL	CUT	FILL
167+00	14.91	12.82	60.63	42.27
168+00	10.14	4.14	15.87	20.18
169+00	17.83	10.30	25.89	13.37
170+00	8.64	13.04	38.38	41.86
171+00	18.25	14.30	55.80	56.73
172+00	8.18	25.87	48.92	74.36
173+00	12.60	20.70	28.85	64.87
174+00	20.72	20.05	15.42	18.87
TOTAL	378.5	476.7	378.5	476.7



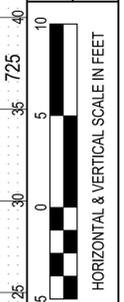
COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 167+00 TO STA. 174+00

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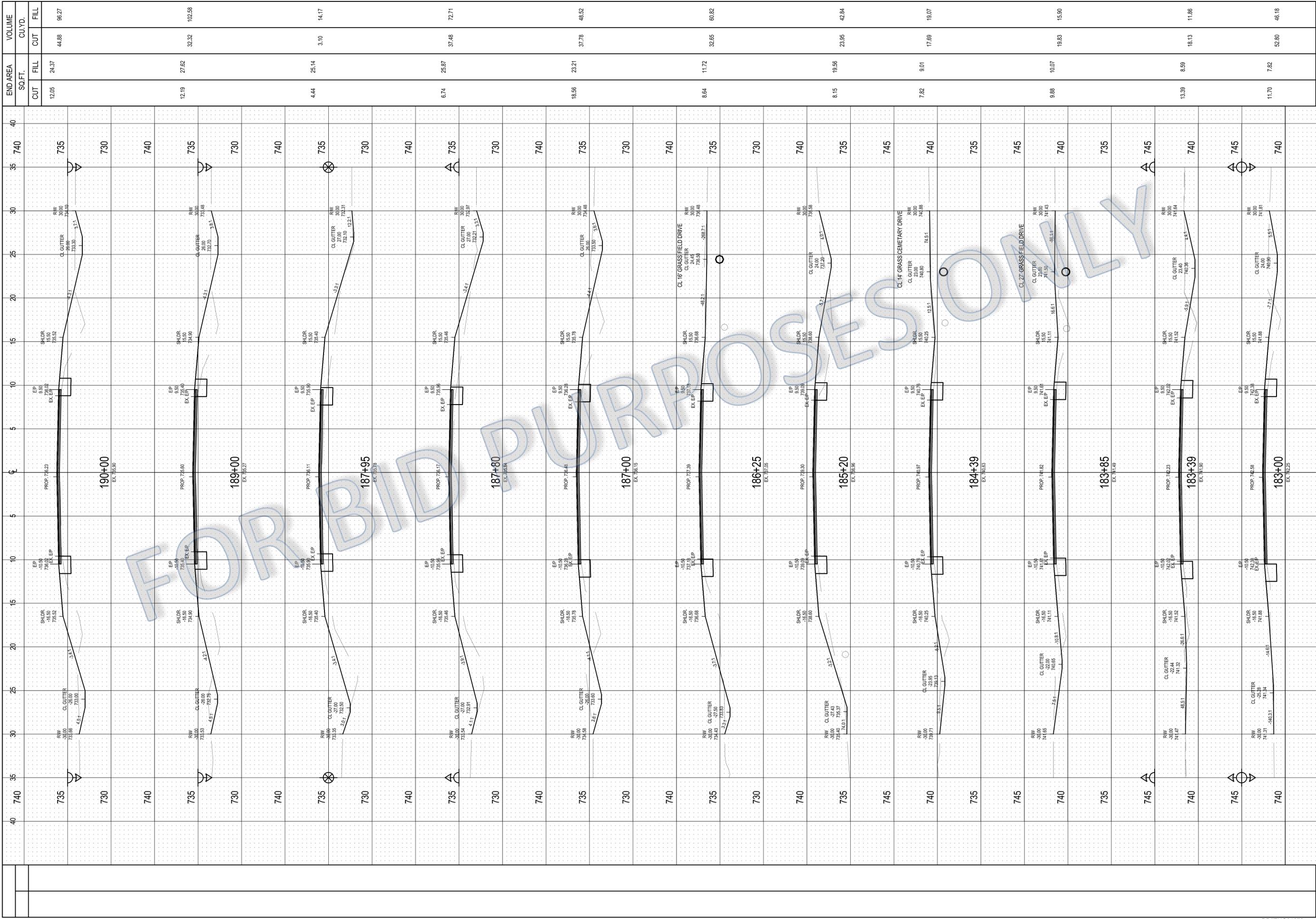


STATION	END AREA		VOLUME	
	SQ.FT.	FILL	CUT	FILL
182+00	16.81	17.12	78.06	58.10
181+00	25.34	14.80	90.47	57.20
180+00	25.52	16.09	77.59	62.52
179+00	18.38	17.67	77.81	50.74
178+00	23.63	9.73	78.67	41.31
177+00	18.85	12.86	46.79	43.59
176+25	14.84	18.81	15.50	19.10
176+00	18.64	22.44	62.98	57.21
175+15	21.38	13.90	19.32	14.15
174+88	17.27	14.39	61.90	56.13
TOTAL	609.1	461.1		

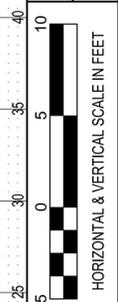


COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 174+88 TO STA. 182+00

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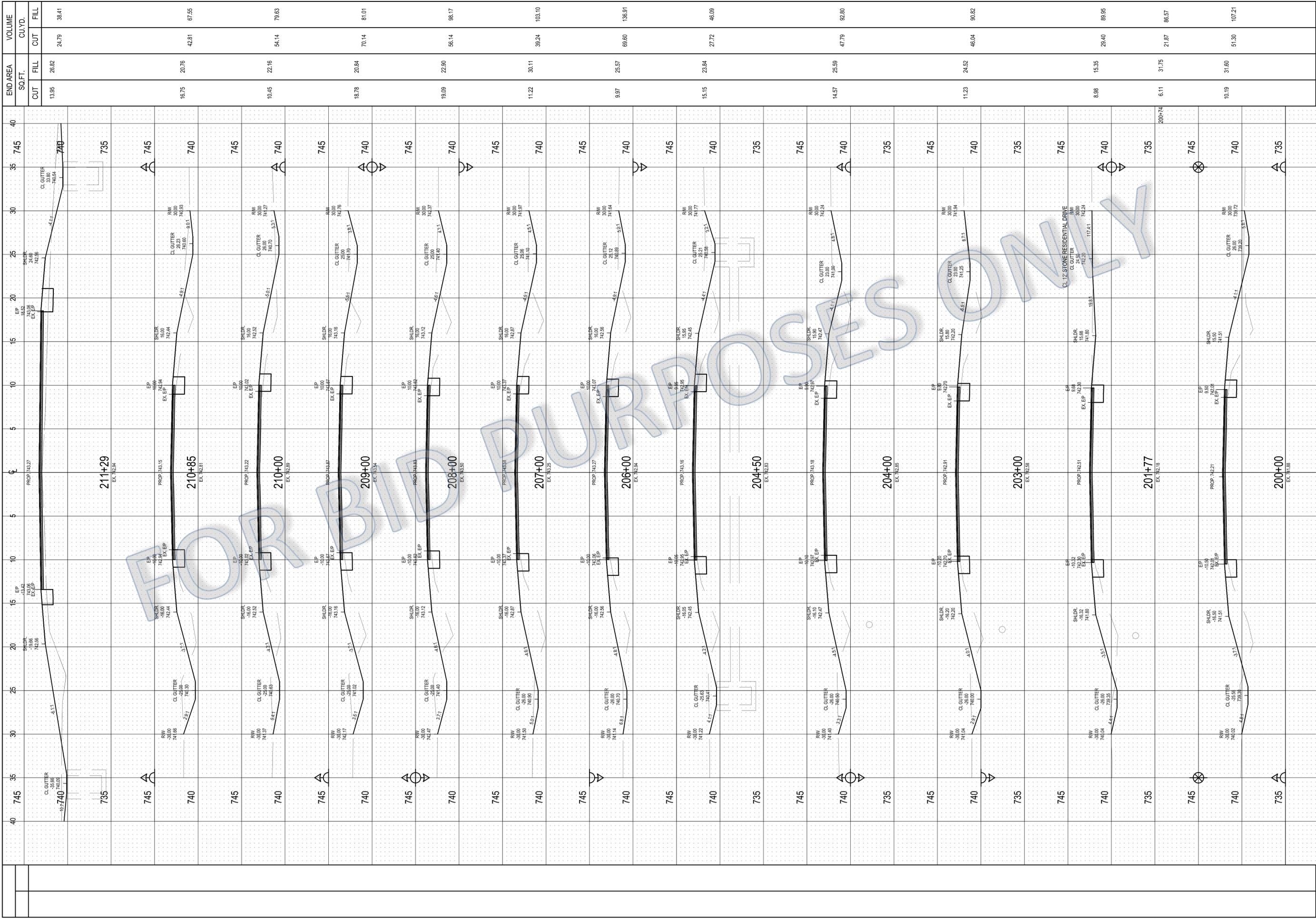


STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
183+00	12.05	24.37	44.88	96.27
184+00	12.19	27.62	32.32	102.88
185+00	4.44	25.14	3.10	14.17
186+00	6.74	25.87	37.48	72.71
187+00	18.56	23.21	37.78	48.52
188+00	8.64	11.72	32.65	60.82
189+00	8.15	19.56	23.95	42.84
190+00	7.82	9.01	17.69	19.07
TOTAL	9.88	10.07	19.83	15.90
	13.39	8.59	18.13	11.86
	11.70	7.82	52.80	46.18
	320.6	530.9		

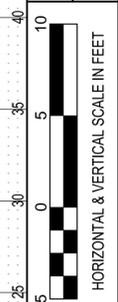


COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 183+00 TO STA. 190+00

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STATION	END AREA		VOLUME	
	SQ.FT.	FILL	CU.YD.	FILL
13.95	26.82	24.79	38.41	
16.75	20.76	42.81	67.55	
10.45	22.16	54.14	78.83	
18.78	20.84	70.14	81.01	
19.09	22.90	56.14	98.17	
11.22	30.11	38.24	103.10	
9.97	25.57	69.60	136.91	
15.15	23.84	27.72	46.09	
14.57	25.59	47.79	92.80	
11.23	24.52	46.04	90.82	
6.11	31.75	21.87	86.57	
10.19	31.80	51.30	107.21	
TOTAL	581.0	1118.2		



COUNTY ROAD 21 (SR 2 - ROAD H)
 CROSS SECTIONS ~ STA. 200+00 TO STA. 211+29

FULTON COUNTY ENGINEERING DEPT.
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