BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

PLANS PROPOSED FOR

KILLAM ROAD
DIRT ROAD PAVING AND
DRAINAGE IMPROVEMENTS

FINAL PLANS
"FOR BIDDING"

JULY 2016

INDEX OF ROADWAY PLANS

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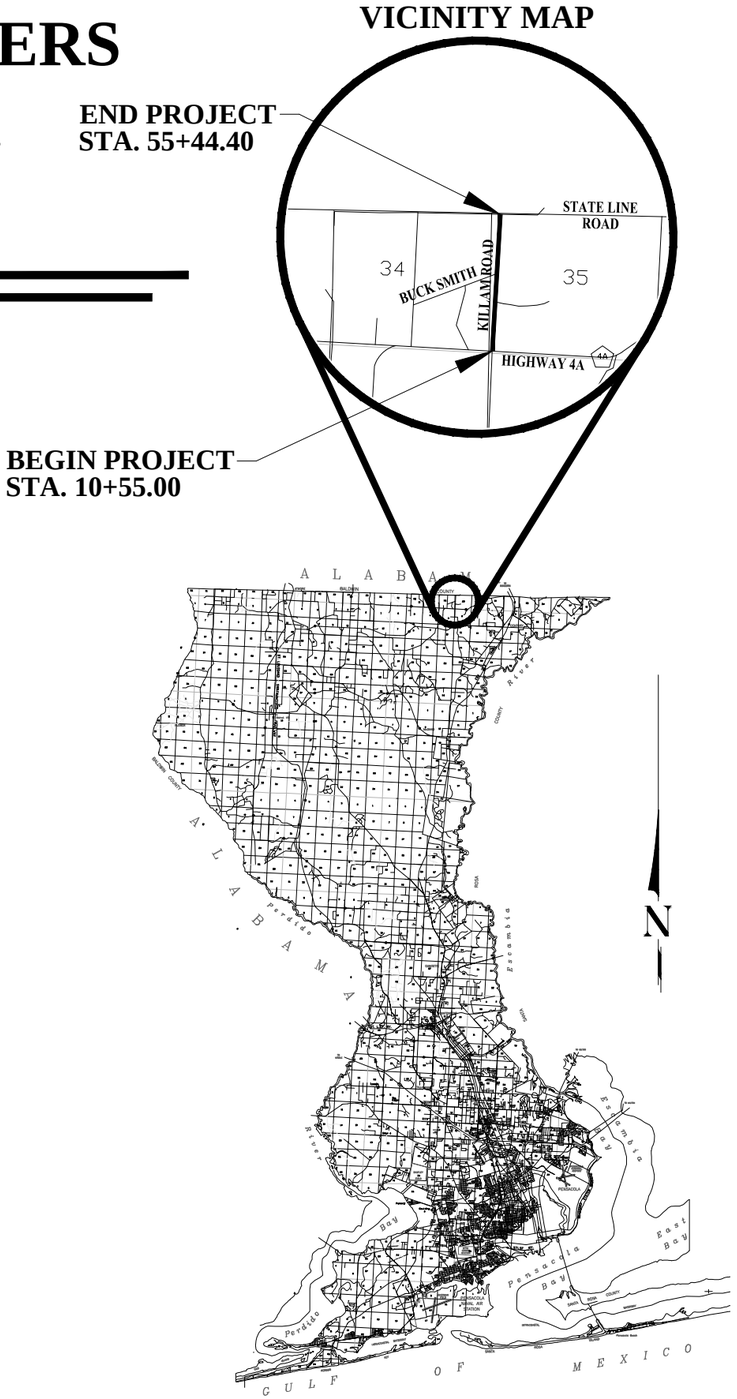
SIGMA CONSULTING GROUP, INC.
3298 SUMMIT BOULEVARD, SUITE 32
PENSACOLA, FLORIDA 32503
PHONE: (850) 332-7912
CERTIFICATE OF AUTHORIZATION #26889

VICINITY MAP



COMMISSIONERS

DISTRICT ONE	WILSON ROBERTSON
DISTRICT TWO	DOUG UNDERHILL
DISTRICT THREE	LUMON MAY
DISTRICT FOUR	GROVER C. ROBINSON, IV
DISTRICT FIVE	STEVEN BARRY

PROJECT MANAGER: Mr. Cooper Saunders	
SECTION / TOWNSHIP / RANGE: 35 / T-2-N / R-31-W	DISTRICT: V
PROJECT ENGINEER: Mr. Paul Heffernan, P.E.	REG FLA ENG NO: 71379
SIGNATURE:	DATE:

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CONTRACTOR'S NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
3. ANY REFERENCE TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
4. ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
5. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.

PERMIT NOTES:

1. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
2. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
3. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.

SURVEY NOTES:

1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS AS NEEDED DURING CONSTRUCTION. ANY PUBLIC LAND CORNER MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENT IS DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE THE MONUMENT, HAVE THE POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER, USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
2. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:
   HATCH MOTT MACDONALD, SURVEY DEPARTMENT
   1232 JACKSON AVENUE
   CHIPLEY, FL 32428 PH. (850) 261-3101
3. EXISTING R/W AS SHOWN FOR THE PROPERTIES OWNED BY MARK HOLLAND, JOSEPH D. BROWN AND WILLIAM H. NEHRKE (PREVIOUSLY WAYNE H. NEHRKE) ARE BASED UPON RECORDED WARRANTY DEEDS SUBMITTED TO US BY ESCAMBIA COUNTY

SOIL CONDITION NOTES:

1. FOR ADDITIONAL SOILS INFORMATION REFER TO GEOTECHNICAL REPORT FILE#98-100d PREPARED BY LARRY M. JACOBS & ASSOCIATES.
2. GROUNDWATER WAS ENCOUNTERED BETWEEN STATION 17+50 AND STATION 25+00 DURING THE GEOTECHNICAL INVESTIGATION PERFORMED BY LARRY M. JACOBS AND ASSOCIATES. UNDERDRAIN AND/OR GRADED AGGREGATE BASE BASE MAY BE REQUIRED IN THIS AREA DURING THE COURSE OF CONSTRUCTION. THE GROUNDWATER CONDITIONS IN THIS AREA WILL BE CAREFULLY OBSERVED DURING CONSTRUCTION AND A FORMAL DECISION ON THE USE OF UNDERDRAIN AND/OR GRADED AGGREGATE BASE SHALL BE DETERMINED BY THE COUNTY OR ITS DESIGNEE.
3. UNDERDRAIN, IF NECESSARY, IS TO BE CONSTRUCTED PER FDOT INDEX NO. 286 UNDERDRAIN (TYPE II).

EARTHWORK NOTES:

1. WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(I), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.

CLEARING AND GRUBBING NOTES:

1. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
2. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED IN PLANS. COST OF TREE REMOVAL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CLEARING ANG GRUBBING.
3. ASPHALT, CONCRETE, HEADWALL, MES, AND PIPE, REMOVAL REQUIRED TO CONSTRUCT PROJECT SHALL BE INCLUDED IN UNIT PRICE OF CLEARING AND GRUBBING.

MAILBOX NOTES:

1. ALL EXISTING MAILBOXES INTERFERING WITH NEW CONSTRUCTION SHALL BE RELOCATED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS. ALL EXISTING BRICK MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED AND PLACED ON THE PROPERTY LINE. CONTRACTOR SHALL REPLACE EXISTING BRICK MAILBOXES WITH APPROVED PLASTIC BREAK AWAY MAILBOXES.

ROADWAY, STREETS AND DRIVEWAY NOTES:

1. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
2. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS DURING CONSTRUCTION AT ALL TIMES.
3. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION, AND ALL INTERIM STANDARDS THAT APPLY TO THESE EDITIONS.
4. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
5. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
6. GRADED AGGREGATE BASED SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCROACHES WITHIN TWO (2) FEET OF THE BOTTOM OF ROADWAY BASE.
7. ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.

DRAINAGE NOTES:

1. EXISTING DRAINAGE FEATURES TO BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE PIPE LENGTHS SHOWN IN THE PLANS INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH MITERED END SECTIONS (1V:3H). ALL PIPE ASSOCIATED WITH MITERED END SECTIONS WILL BE PAID FOR IN THE UNIT COST OF PIPE, PER LINEAR FOOT. SEE PLAN VIEW FOR LOCATION REFERENCE.
3. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN STANDARD DRAWINGS (2016).
4. ALL MITERED END SECTIONS ARE TO BE CONSTRUCTED AT A 1:3 SLOPE.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, LATEST EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES:

1. MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.

PAVEMENT MARKING NOTES:

1. THERMOPLASTIC STRIPING SHALL BE INSTALLED PER FDOT DESIGN STANDARDS, 2010 EDITION.

UTILITY NOTES:

1. EXISTING VALVE BOXES AND MANHOLES LOCATED WITHIN THE PROPOSED PAVING LIMITS SHALL BE ADJUSTED AS NECESSARY TO MATCH PROPOSED ASPHALT GRADE.
2. THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
3. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
4. UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.
5. AT&T FLORIDA WILL COMPLETE ALL WORK WITHIN "NORMAL WORKING HOURS", (MONDAY TO FRIDAY 7:30AM TO 4:30PM). NO NIGHT WORK. ALL CABLE DAMAGE MUST BE REPORTED TO THE AT&T FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR (877) 737-2478 IF USING A CELL PHONE. DELAY THE CONTRACTOR CAUSES BY CUTTING AT&T'S CABLE DIRECTLY AFFECTS AT&T'S SCHEDULE. TIME AND COSTS WILL BE ADDED FOR CUTS AND DAMAGE REPAIRS.
6. ESCAMBIA COUNTY IS NOT PART OF "SUNSHINE STATE ONE CALL" AND SHALL BE NOTIFIED PRIOR TO CONSTRUCTION AT THE CONTACT INFORMATION LISTED BELOW.
7. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

WATER - CENTRAL WATER WORKS
MR. BILLY MERCHANT
1101 BYRNEVILLE ROAD
CENTURY, FL. 32535 PH: (850) 256-3849

NATURAL GAS - GULF SOUTH PIPELINE
MR. MORGAN MASON
4001 LILLIAN HIGHWAY
PENSACOLA, FL. 32401 PH: (850) 453-1715 EXT. 102

TELEPHONE - BELLSOUTH
MR. GERALD ROLLING
110 EAST RANKIN STREET
BREWTON, AL 36426 PH: (251) 431-7302

WATER - THE PEOPLES WATER SERVICE CO.
MR. MARK CROSS
905 LOWDE AVE.
PENSACOLA, FL 32507 PH: (850) 455-8552

CABLE - MEDIACOM
MR. EDDIE ARNOLD
4349 AVALON BLVD.
MILTON, FL 32503 PH: (850) 983-3275

ELECTRIC - ESCAMBIA RIVER ELECTRIC CORP., INC.
MR. WESLET SCOTT
3425 W. HIGHWAY 4
JAY, FL. 32565 PH: (850) 675-4521

CABLE - COX COMMUNICATIONS
MR. TROY YOUNG
3405 McLEMORE DRIVE
PENSACOLA, FL. 32514 PH: (850) 857-4551
CELL PH: (850) 232-5044

TELECOMMUNICATIONS - DELTACOM WAY
MR. JOHN McGRUFFEY
1801 HILLYER ROBINSON PARKWAY
ANNISTON, AL 36207 PH: (256) 241-6438

TELECOMMUNICATIONS - MADISON RIVER COMMUNICATIONS
MR. DONALD CARTY
P.O. BOX DRAWER #670
FOLEY, AL. 36536 PH: (251) 952-5339

SUNSHINE STATE ONE-CALL
7200 LAKE ELLENOR DRIVE, SUITE 200
ORLANDO, FL 32809 PH: (800) 432-4770

ALABAMA ONE-CALL
P.O. BOX 1476
BIRMINGHAM, AL 35201 PH: (800) 292-8525

ESCAMBIA COUNTY, TRAFFIC SIGNAL UTILITY SPOTS
MRS. JOHNNY COX
3363 WEST PARK PLACE
PENSACOLA, FL 32505 PH: (850) 595-3404

8. CONTRACTOR SHALL POTHOLE, LOCATE AND DEPTH CHECK AND/OR SURVEY THE LOCATIONS OF THE EXISTING WATERLINE AND GAS LINE IN THE FOLLOWING LOCATIONS

   STA 10+55 TO 55+44 (300' INTERVALS)

   THE LOCATIONS WITH APPROXIMATE DEPTHS SHALL BE PROVIDED TO THE COUNTY FOR REVIEW. THIS MUST BE COMPLETED PRIOR TO THE BEGINNING OF ANY GRADING OR EXCAVATION ACTIVITIES ASSOCIATED WITH THIS PROJECT.

LEGEND & SYMBOLS

ELEV. = ELEVATION
R/W = RIGHT OF WAY
R.C.P. = REINFORCED CONCRETE PIPE
T.C. = TERRA COTTA
B.M. = BENCHMARK
CONC. = CONCRETE
FND. = FOUND
SEC. = SECTION
TWP. = TOWNSHIP
RNG. = RANGE
ID. = IDENTIFICATION
LB = LAND SURVEYING BUSINESS REGISTRATION NUMBER
L = LENGTH
D = DELTA
R = RADIUS
REF = REFERENCE
= UTILITY POTHOLE LOCATION

= POWER POLE
= GUY WIRE ANCHOR
WATER = WATER METER
= MAILBOX
= SIGN
= CLEANOUT
= FIRE HYDRANT
= LIGHT POLE
= SEWER MANHOLE
GAS = GAS VALVE COVER
WATER = WATER VALVE COVER
SS = SEWER VALVE COVER
= BENCHMARK
= WIRE PULL BOX
GAS = GAS VALVE
= TELEPHONE PEDESTAL

W W = WATER LINE
= PROPERTY LINE
TEL TEL TEL = BURIED TELEPHONE LINE (BT)
GAS GAS GAS = BURIED GAS LINE (G)
OHU = OVERHEAD UTILITIES
= WOOD LINE
= RIGHT OF WAY LINE

"FINAL PLANS - FOR BIDDING"

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ESCAMBIA • COUNTY • FLORIDA

KILLAM ROAD
DIRT ROAD PAVING

GENERAL NOTES

NO.	REVISION	DATE

Project Number: 121202
Date: JULY 2016
Drawn By: C.W.H.
Designed By: P.M.H.
Checked By: J.L.L.
Sheet: 2

P:\Projects Directory\121202 - Killam Lane DRP\01800 (CAD Drawings)\DWG\COVER-SHT-1-2-25.dwg, Jul 26, 2016 - 11:15:36AM, sigma

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF THE RESURFACING OF A ROADWAY AND DRAINAGE IMPROVEMENTS LOCATED ON KILLAM ROAD.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK FOR DRAINAGE IMPROVEMENTS.
2. CLEARING AND GRUBBING, EARTHWORK FOR ROADSIDE DITCHES.
3. CLEARING AND GRUBBING, EARTHWORK FOR REMAINING SITE.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 6.21 ACRES.
TOTAL AREA TO BE DISTURBED: 6.21 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
BEFORE: 0.4
DURING: VARIES FROM 0.40 TO 0.60
AFTER: 0.60
SOILS DATA: SANDY CLAY, PERCHED GROUNDWATER STA 25+00

OUTFALL INFORMATION:

THERE IS 1 EXISTING OUTFALL.

#1 DESCRIPTION: KILLAM ROAD EAST TO MILL CREEK
THE EXISTING OVERLAND FLOW FROM APPROXIMATELY 169 ACRES WEST OF THE PROJECT AREA DISCHARGES EASTWARD TOWARD MILL CREEK. THIS WATERSHED CROSSES KILLAM ROAD VIA ROADWAY CULVERT (STA 15+00, THIS PROJECT).
DRAINAGE AREA: 169 ACRES
RECEIVING WATER: MILL CREEK, CONECUH RIVER, ESCAMBIA BAY

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.
* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN/PROFILE SHEETS.
* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
* AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.
* LOCATIONS OF TEMPORARY CONTROLS: TO BE SHOWN ON THE CONTRACTORS APPROVED EROSION AND SEDIMENT CONTROL PLAN.
* LOCATIONS OF PERMANENT CONTROLS: SOD, DITCH ARMOR
* AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE PLAN SHEETS.

1.F. RECEIVING WATERS:
SEE ITEM 1.D FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS ON THE PROJECT SITE.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE GRADING PLAN OUTLINED IN THE CONSTRUCTION PLANS. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

THE PARAGRAPH ABOVE REFERS TO A 7 DAY LIMIT BEFORE INITIATING STABILIZATION. THE DEP GENERIC PERMIT SPECIFIES 7 DAYS, BUT STRICTER REQUIREMENTS FROM OTHER PERMITTING AGENCIES WILL OFTEN APPLY AND SHOULD BE NOTED.

TEMPORARY:
* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:
* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:
* SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.
* INLET PROTECTION IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
* SEDIMENT CONTAINMENT SYSTEM: THE CONTRACTOR SHALL UTILIZE AND MAINTAIN A STAKED OR FLOATING TURBIDITY BARRIER TO CONTROL SEDIMENT.

PERMANENT:
* SOD, DITCH ARMOR

2.B STORMWATER MANAGEMENT:

ROADSIDE DITCHES WILL BE CONSTRUCTED TO CONVEY RUNOFF TO THE OUTFALL.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:
* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.
* REMOVE EXCESS DIRT FROM ROADS DAILY.
* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO FDOT DESIGN STANDARD 106.
* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND HAULING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION,
APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS: NONE

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.
* SEDIMENT BARRIERS : REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

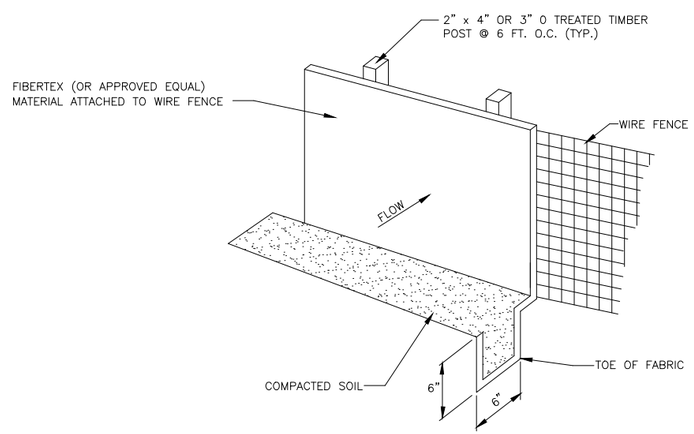
QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
* STRUCTURAL CONTROLS.
* STORMWATER MANAGEMENTS SYSTEMS.
* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

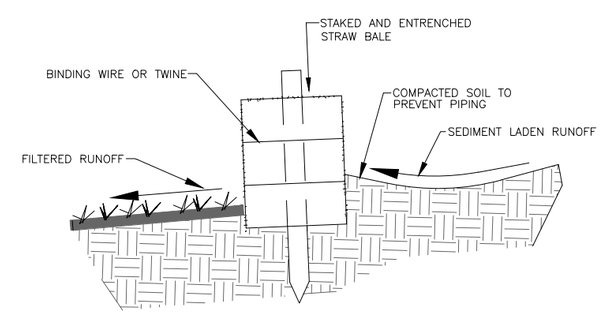
THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT ESCAMBIA COUNTY ENGINEERING.



SILT FENCE DETAIL
NTS



DETAIL OF PROPERLY INSTALLED STRAW BALE
NTS

"FINAL PLANS – FOR BIDDING"

SIGMA CONSULTING GROUP, INC.
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BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

SWPPP NOTES

NO.	REVISION	DATE

Project Number: 121202
Date: JULY 2016
Drawn By: C.W.H.
Designed By: P.M.H.
Checked By: J.L.L.
Sheet: 3

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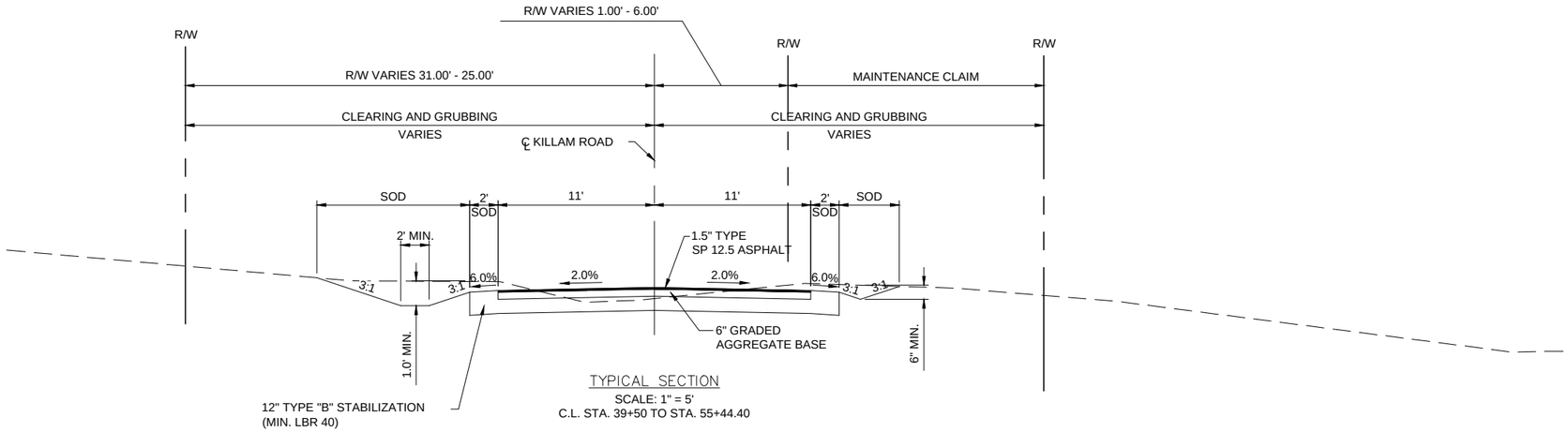
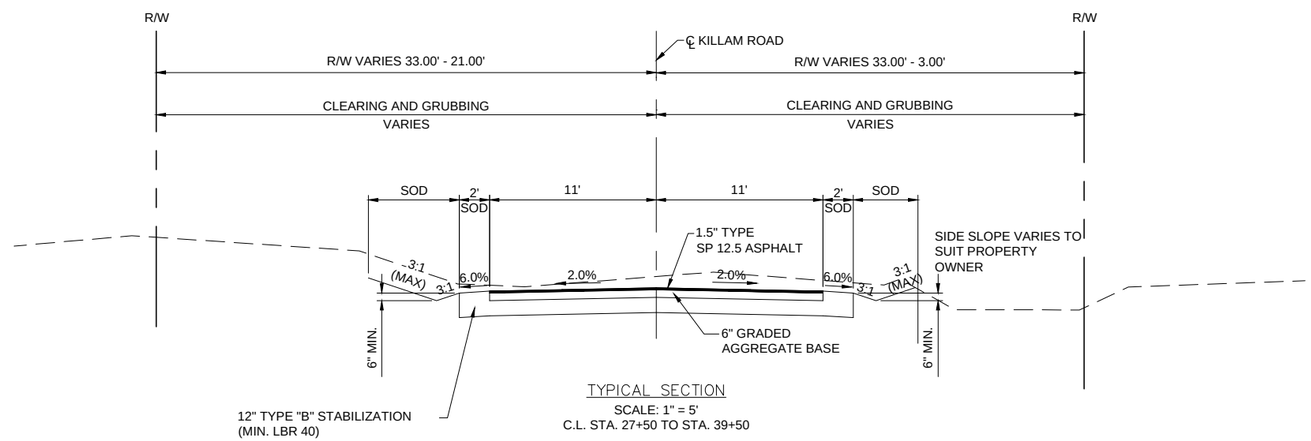


TYPICAL SECTION

SCALE: 1" = 5'

C.L. STA. 39+50 TO STA. 55+44.40

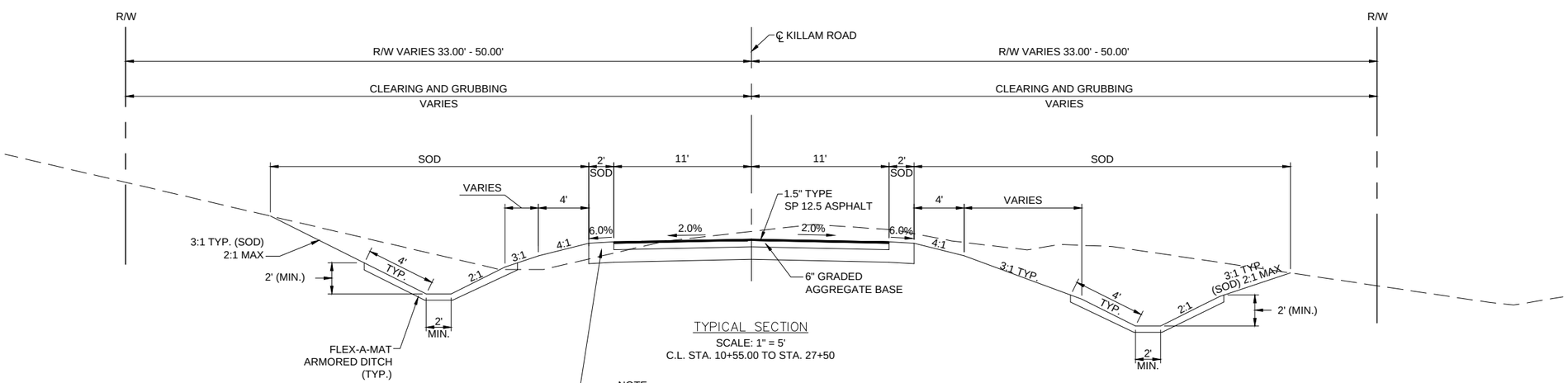


TYPICAL SECTION

SCALE: 1" = 5'

C.L. STA. 27+50 TO STA. 39+50

NOTE:
1) SEE PLAN PROFILE SHEETS FOR SPECIAL DITCH PROFILES.



TYPICAL SECTION

SCALE: 1" = 5'

C.L. STA. 10+55.00 TO STA. 27+50

NOTE:
1) "FLEX-A-MAT" OR ENGINEER APPROVED EQUIVALENT SHALL BE UNDERLAIN WITH "RECYCLE-V UNDERLAYMENT" OR ENGINEER APPROVED EQUIVALENT.

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KILLAM ROAD
DIRT ROAD PAVING

TYPICAL SECTION SHEET

NO.	REVISION	DATE

Project Number:	121202
Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	4

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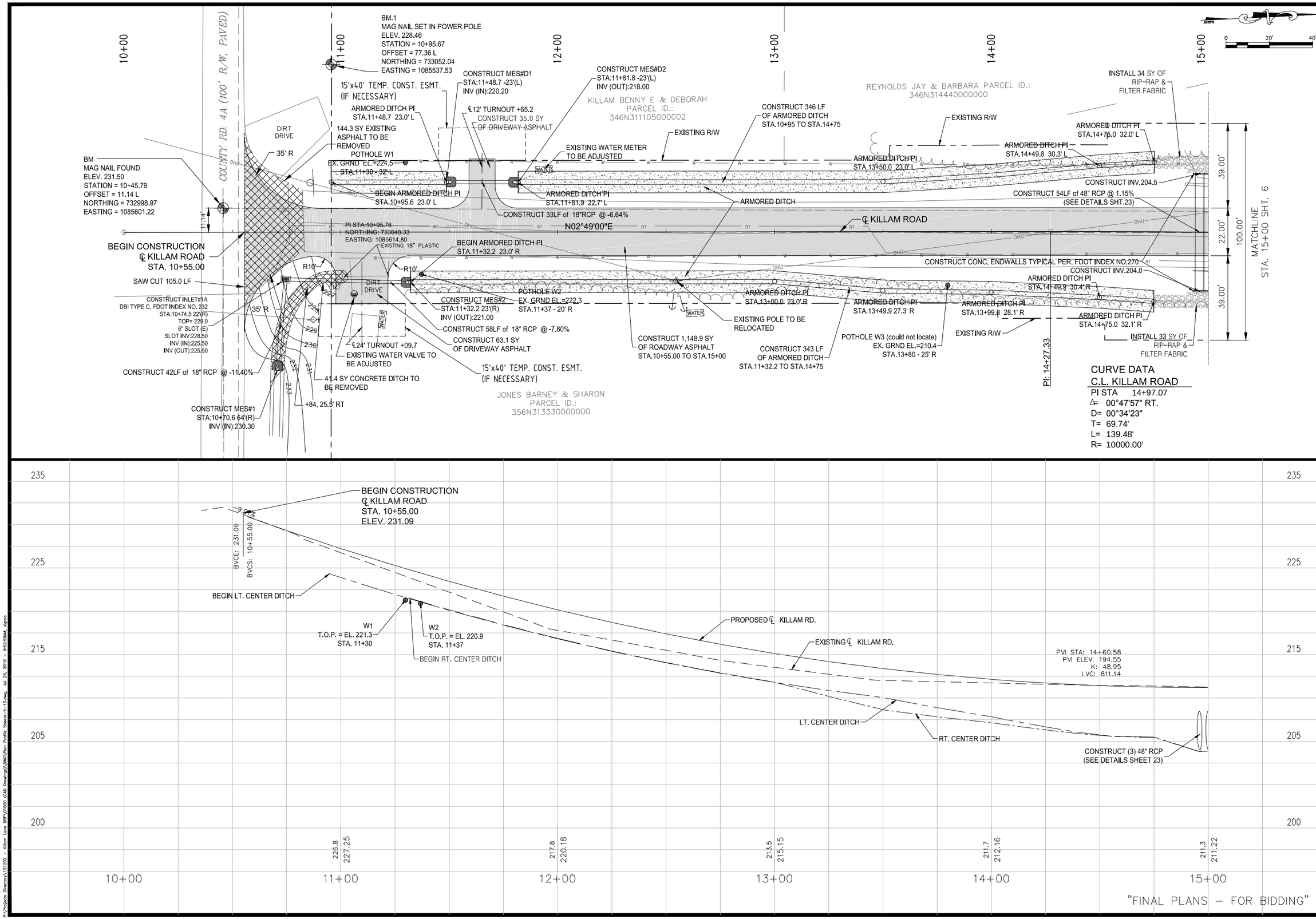

"FINAL PLANS – FOR BIDDING"

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KILLAM ROAD
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PLAN PROFILE SHEET

NO.	REVISION	DATE

Project Number:	121202
Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	5

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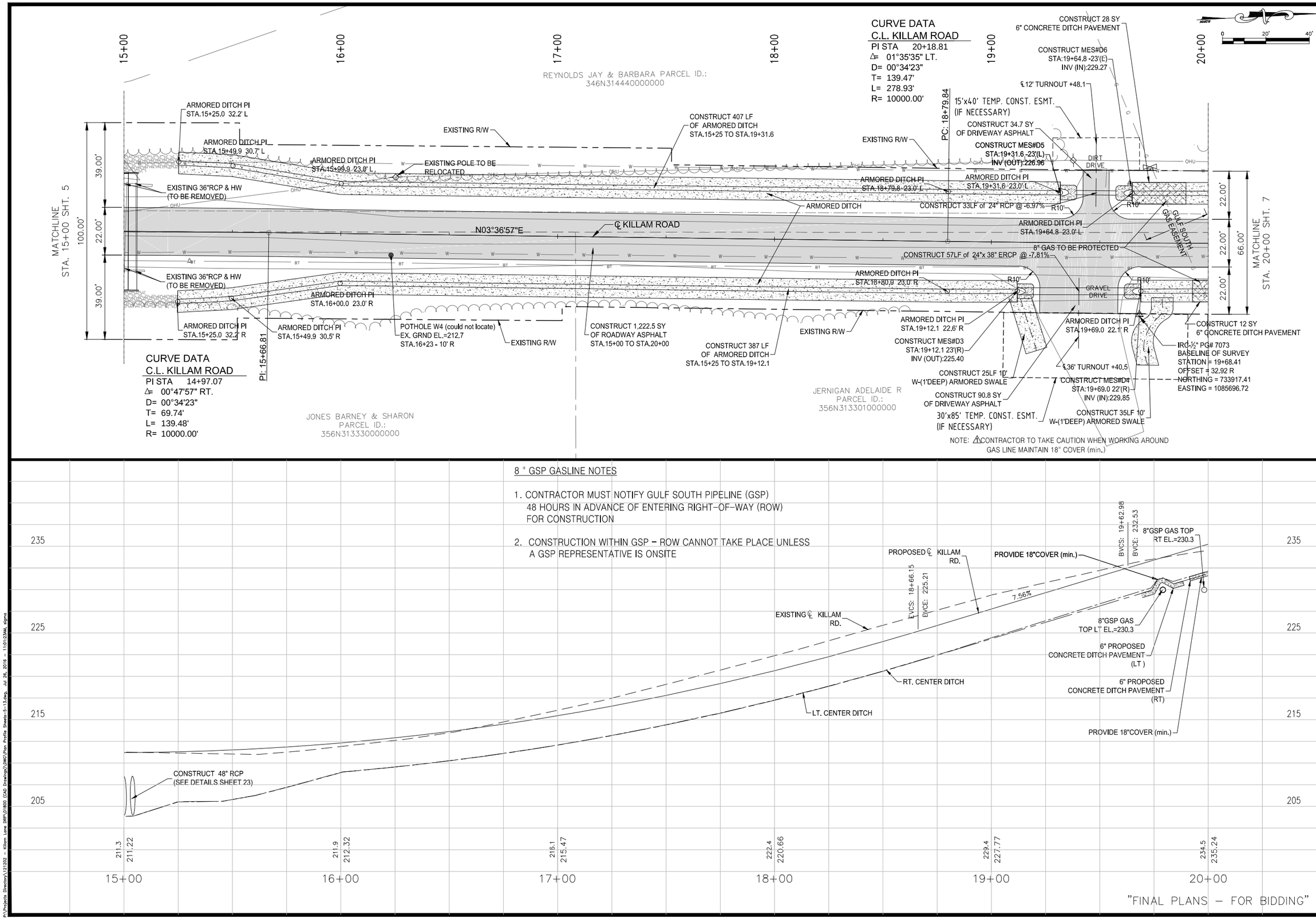

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PLAN PROFILE SHEET

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Project Number:	121202
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Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	6

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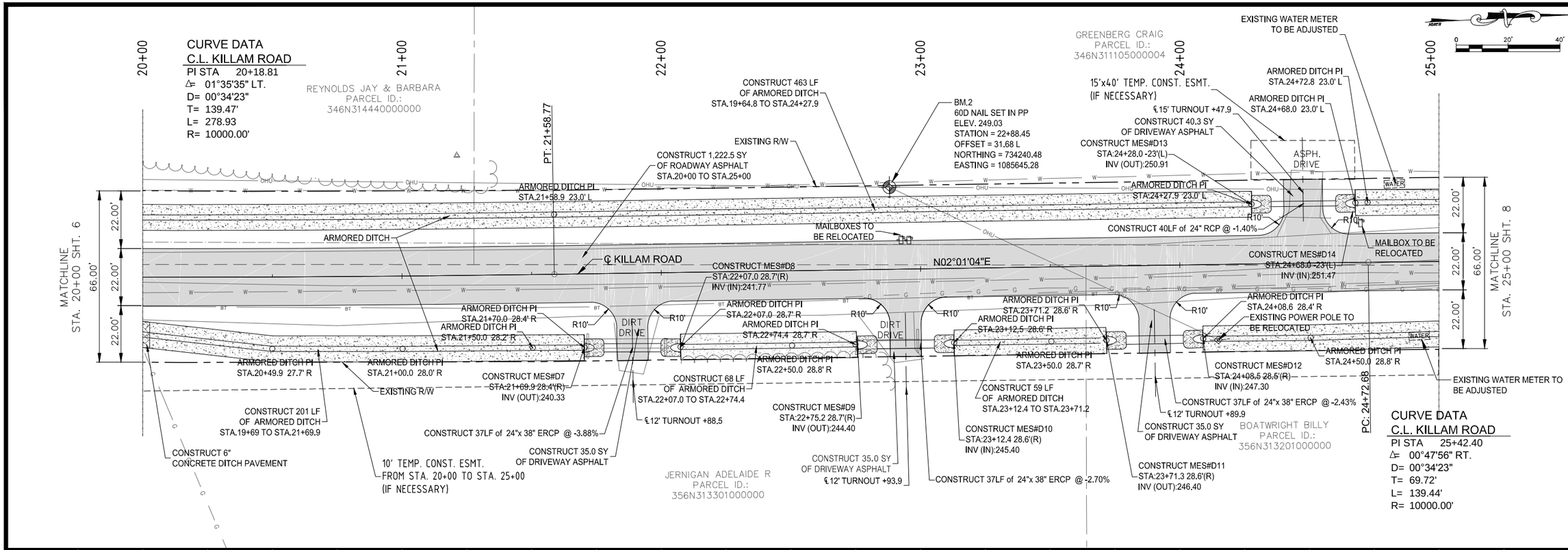

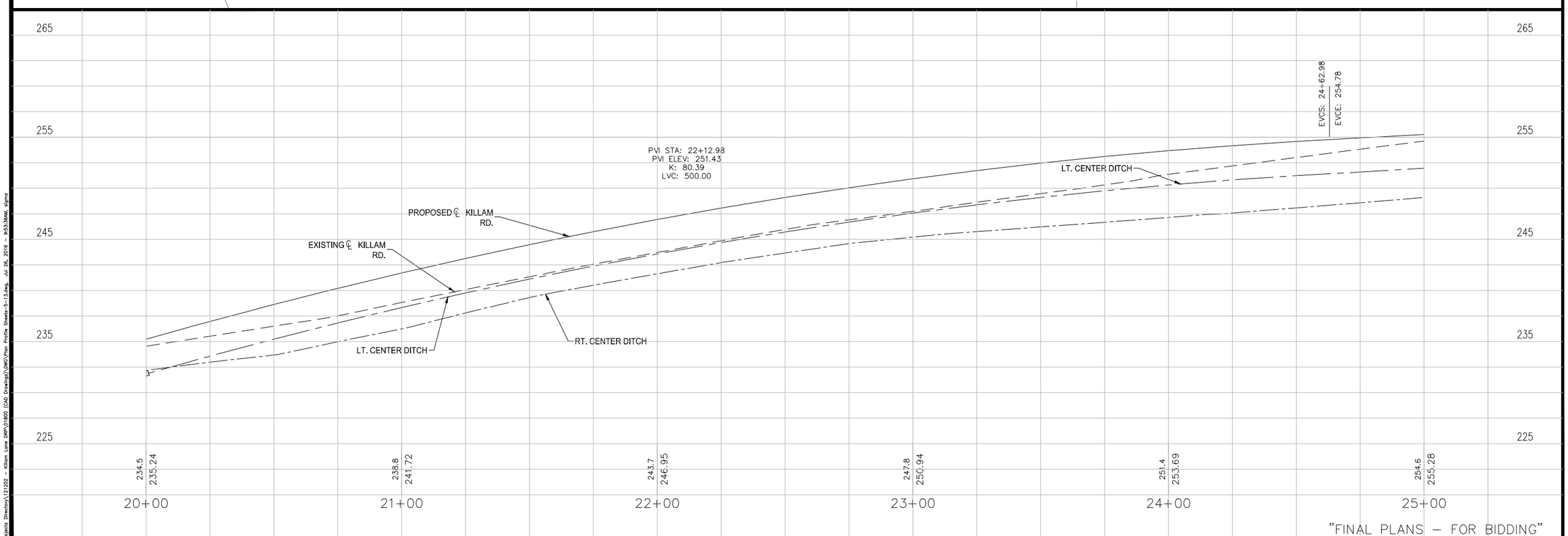

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PLAN PROFILE SHEET

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Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	7

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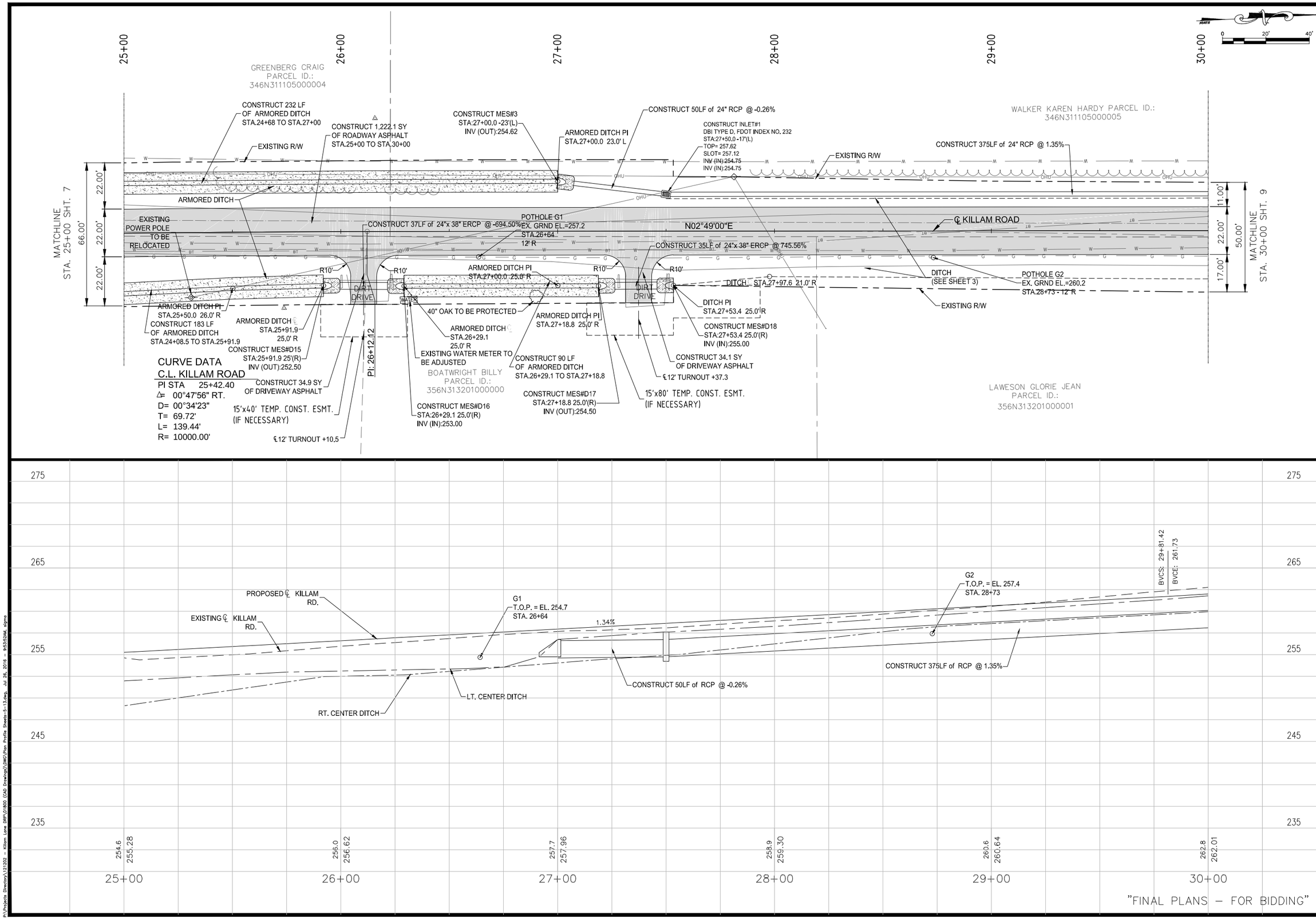

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KILLAM ROAD
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Designed By:	P.M.H.
Checked By:	J.L.L.
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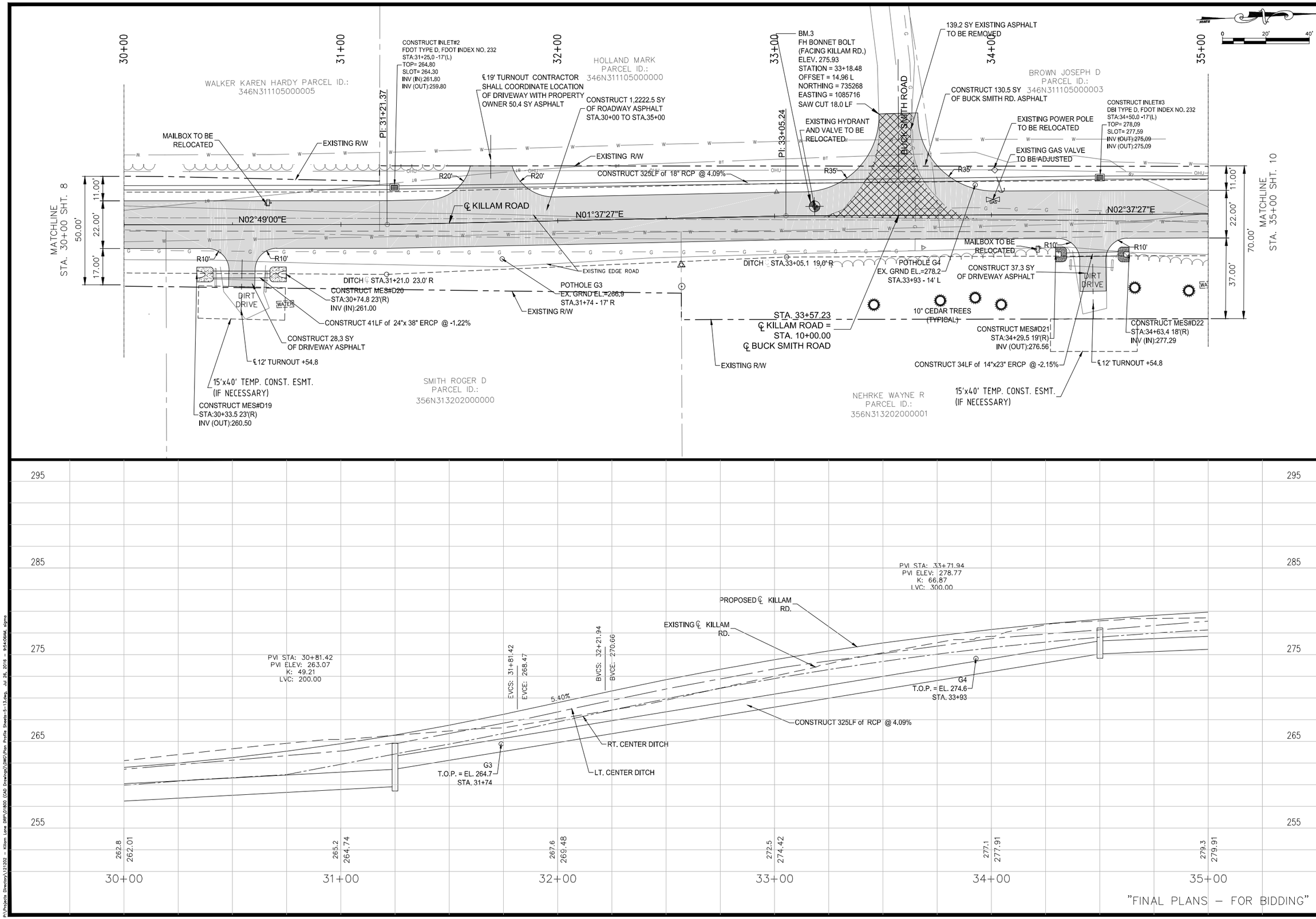

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Checked By:	J.L.L.
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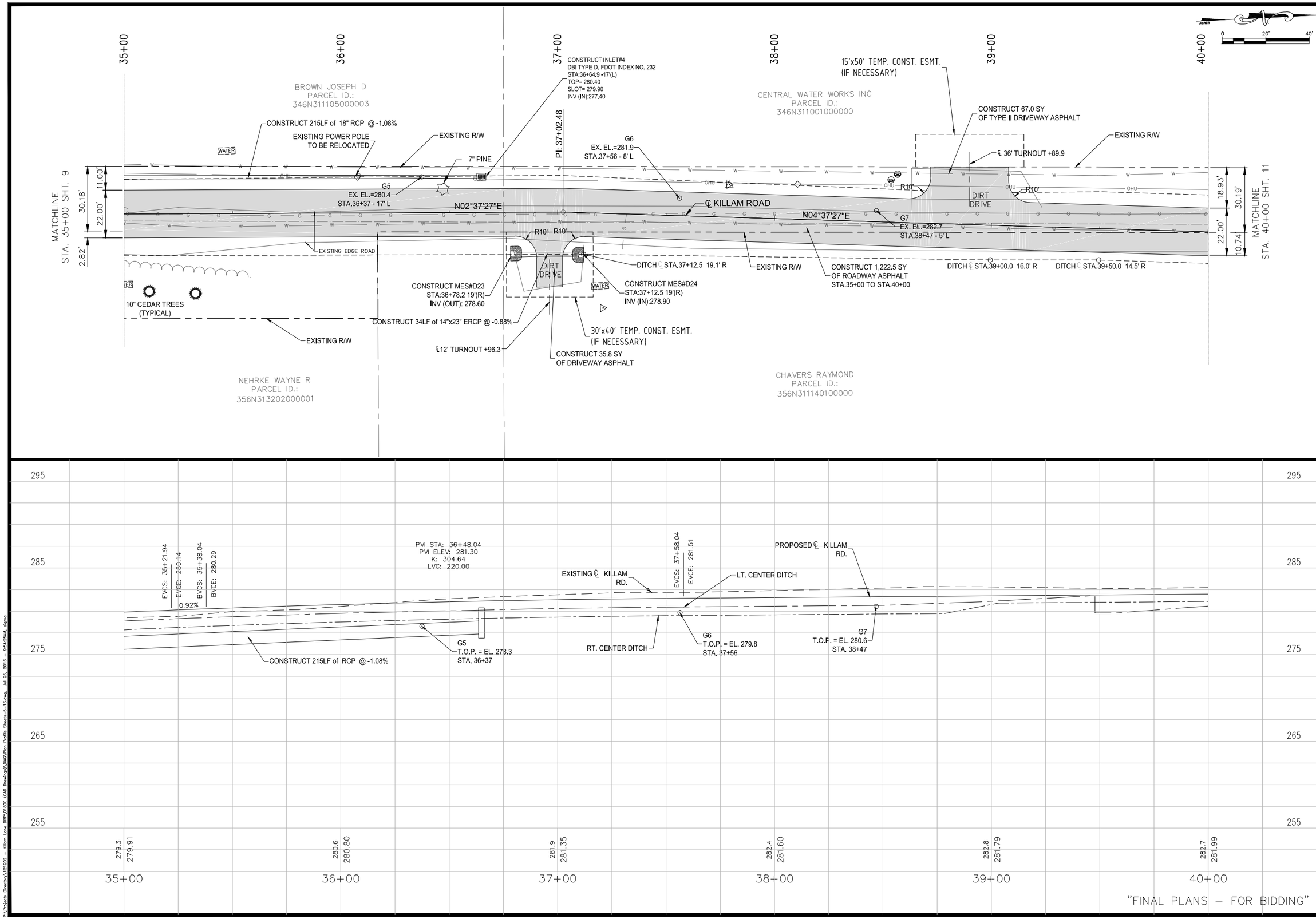

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Sheet:	10

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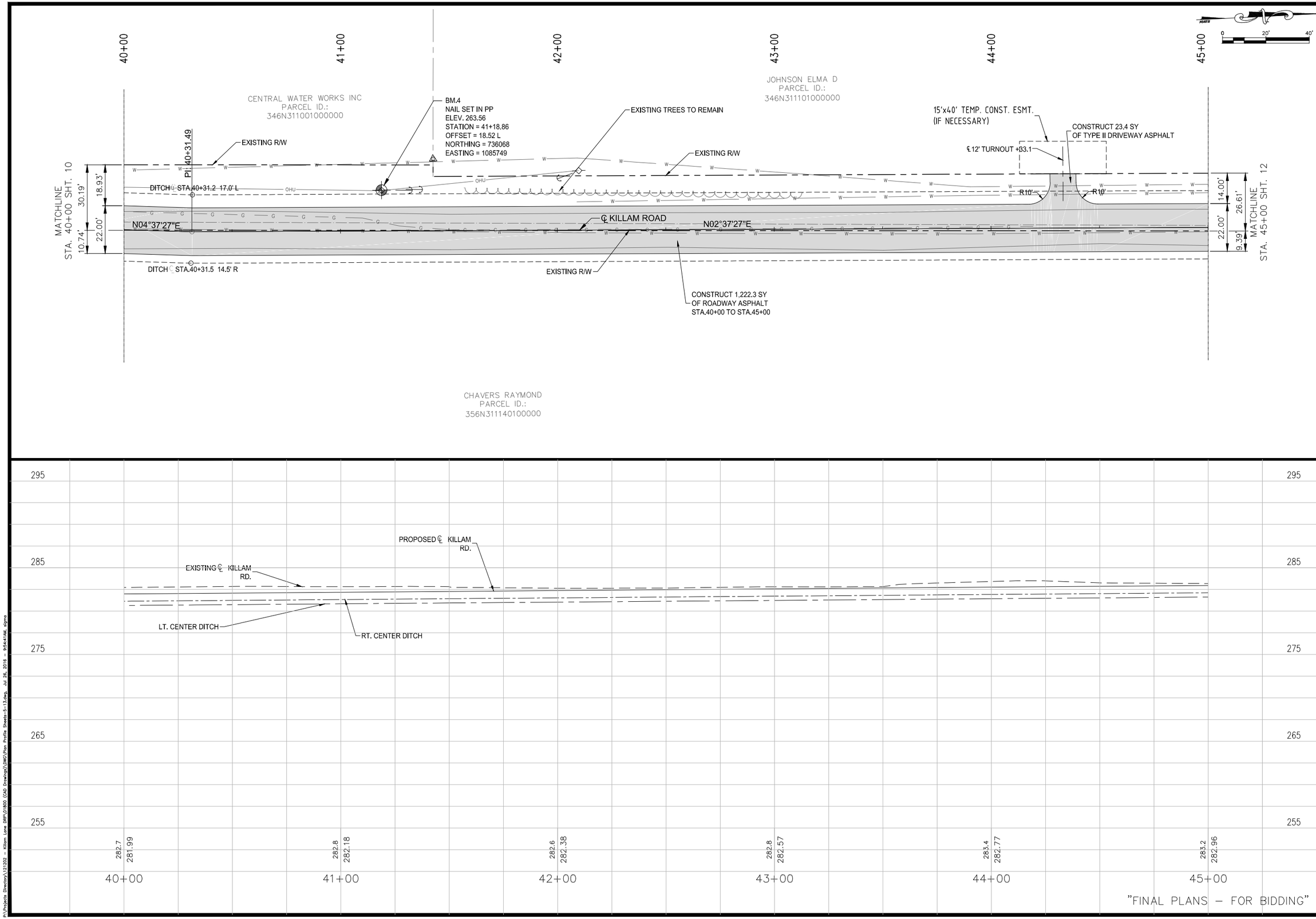

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Checked By:	J.L.L.
Sheet:	11

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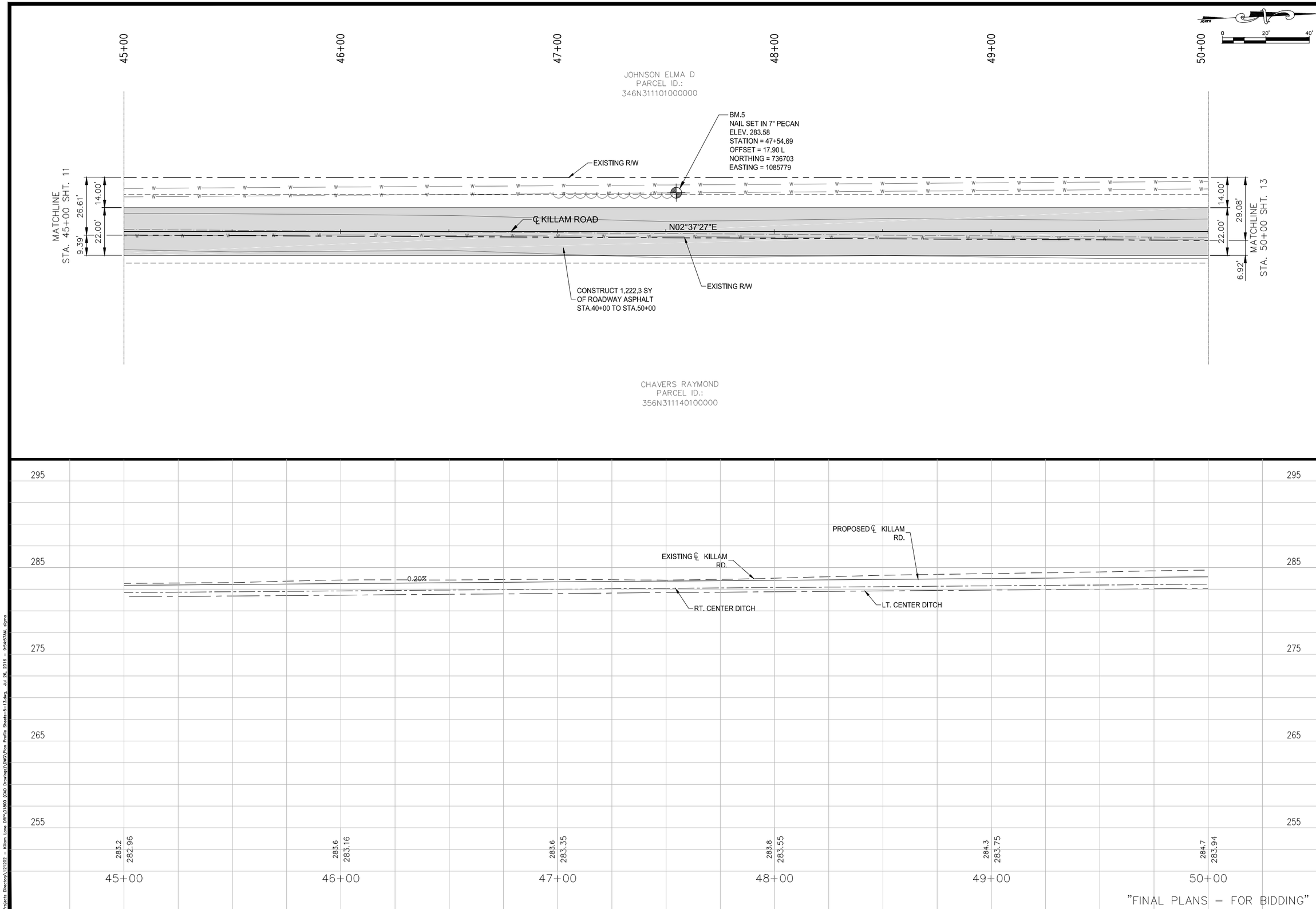

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PLAN PROFILE SHEET

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Designed By:	P.M.H.
Checked By:	J.L.L.
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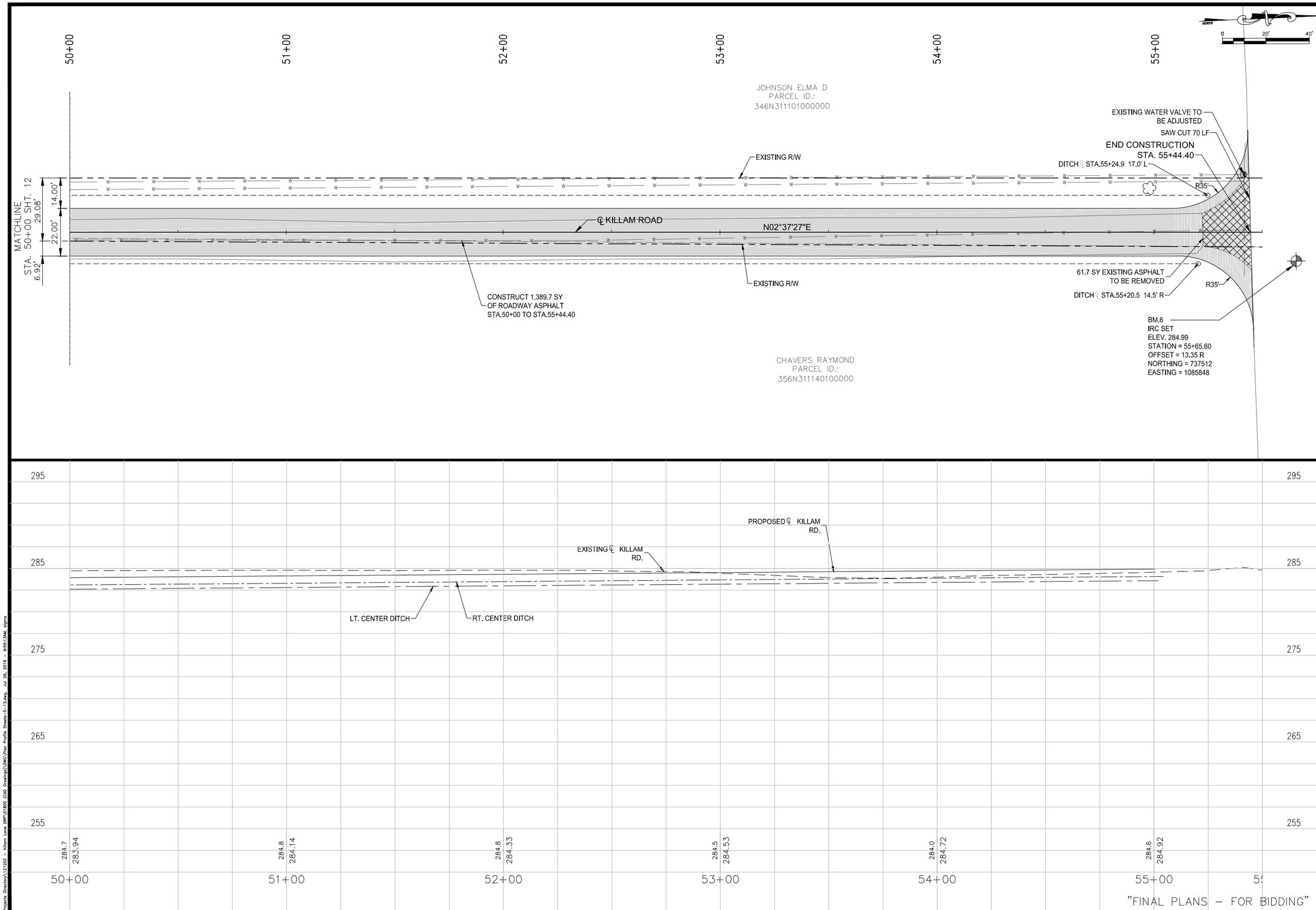

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Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	13

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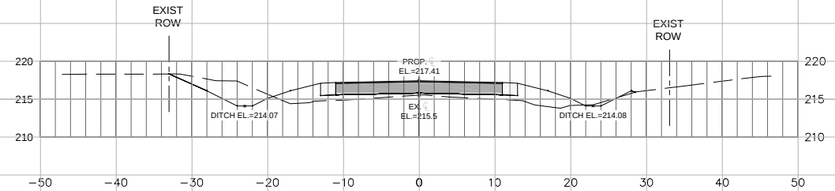

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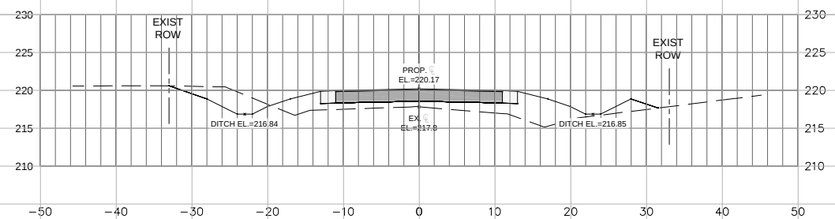

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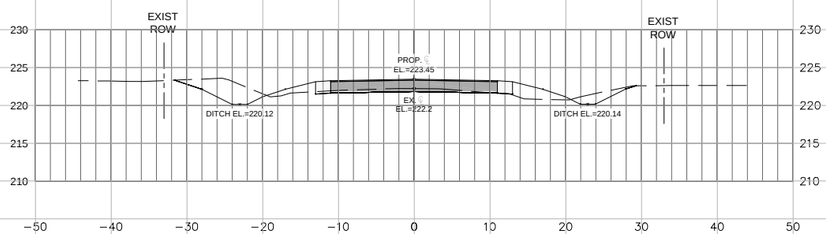

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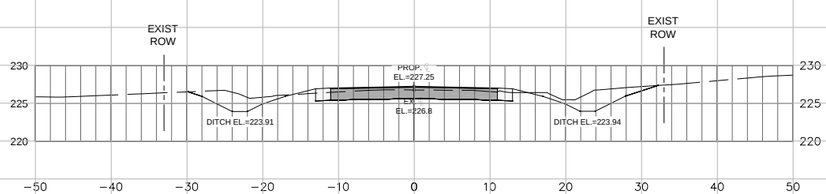

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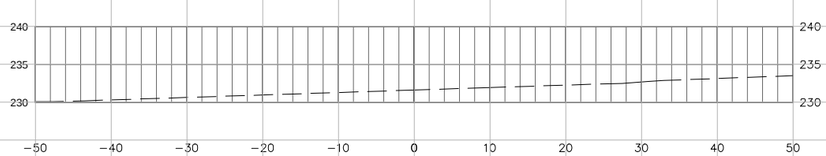

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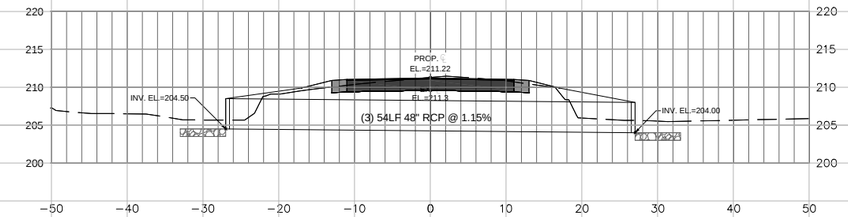

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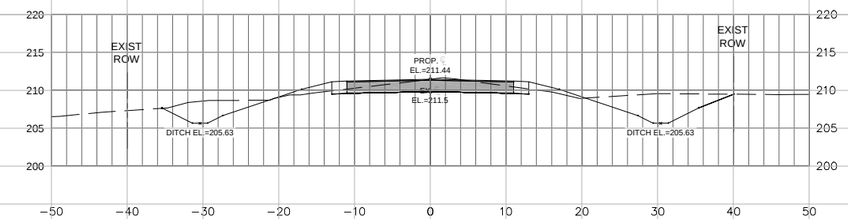

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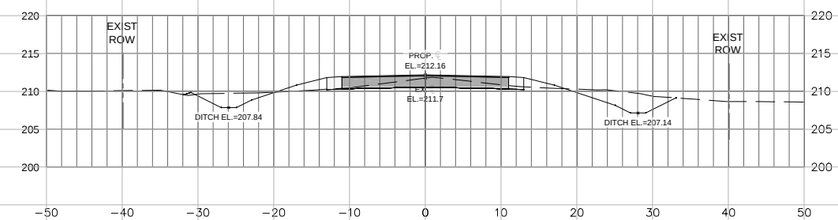

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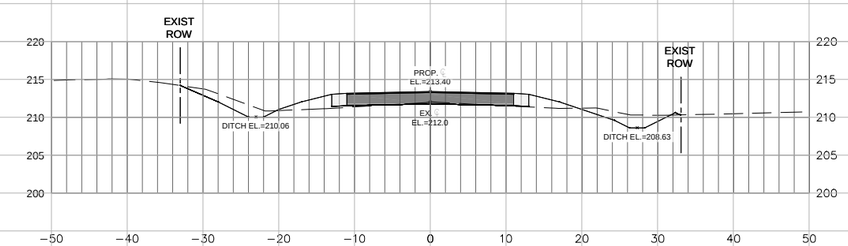

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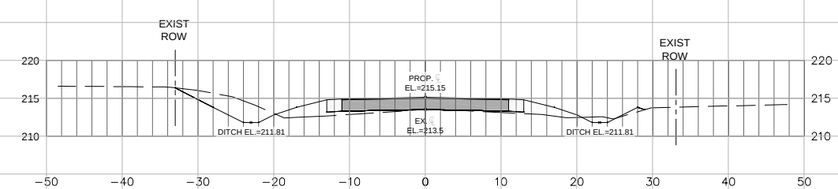

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KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

Project Number: 121202
Date: JULY 2016
Drawn By: C.W.H.
Designed By: P.M.H.
Checked By: J.L.L.
Sheet: 14

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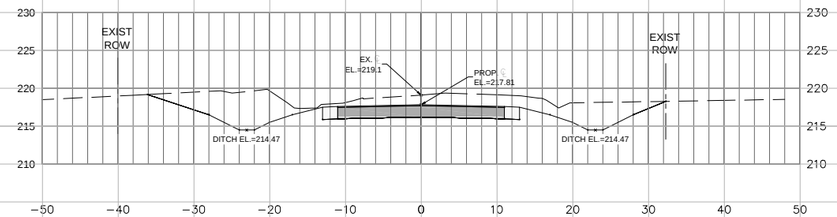

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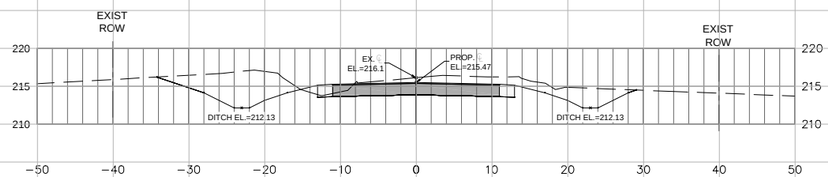

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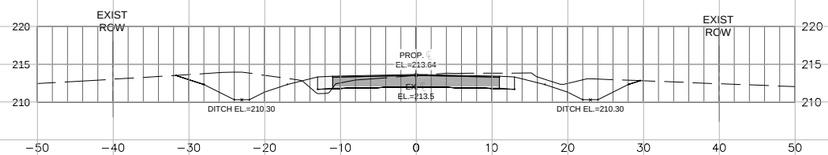

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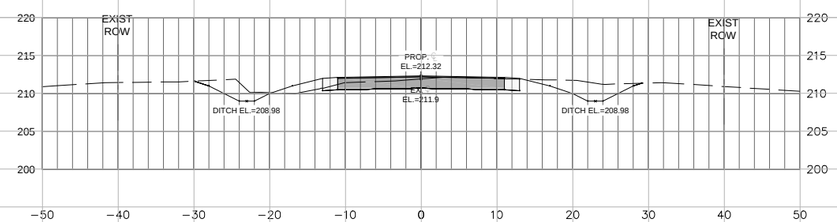

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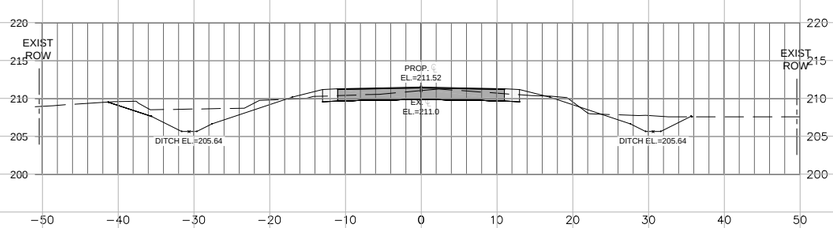

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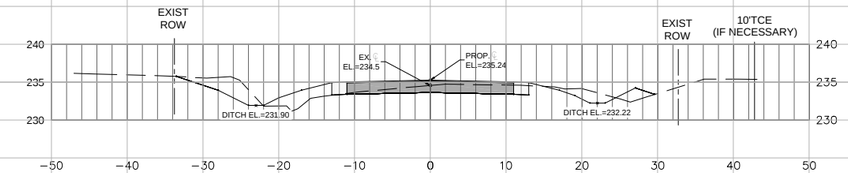

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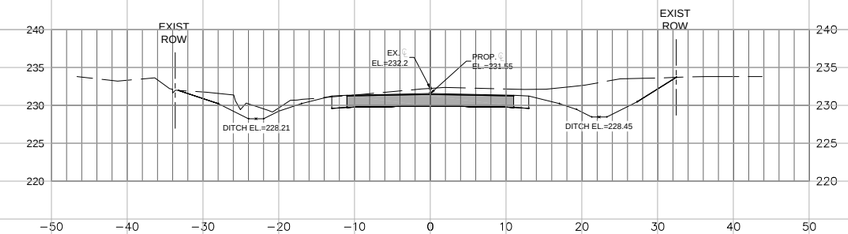

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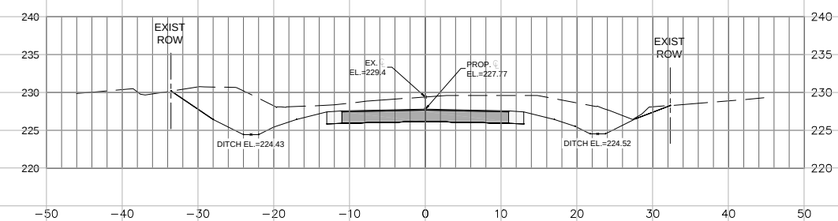

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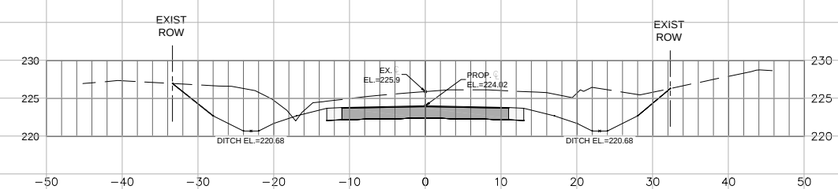

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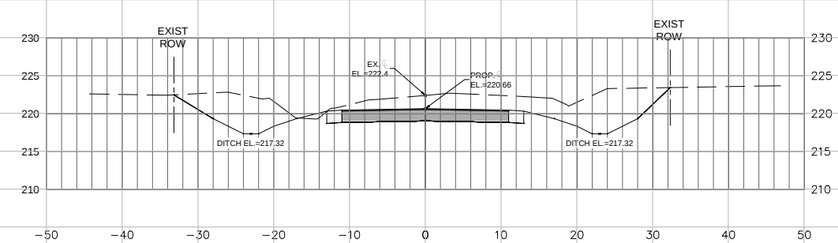

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"FINAL PLANS – FOR BIDDING"

SIGMA CONSULTING GROUP, INC.
3298 SUMMIT BOULEVARD, SUITE 32
PENSACOLA, FLORIDA 32503
PHONE: (850) 332-7912
CERTIFICATE OF AUTHORIZATION #26889

BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

Project Number:	121202
Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	15

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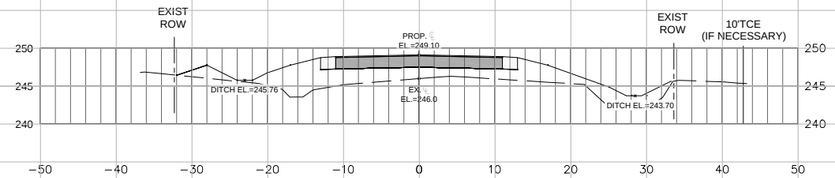

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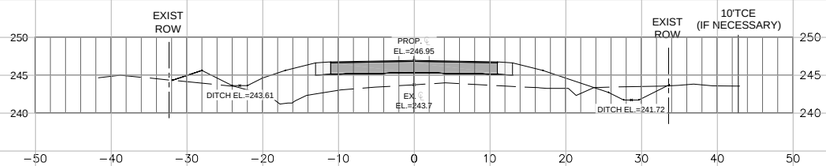

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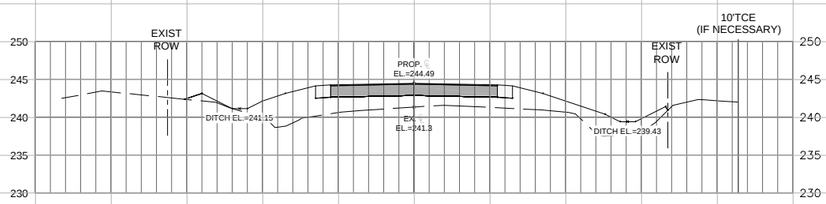

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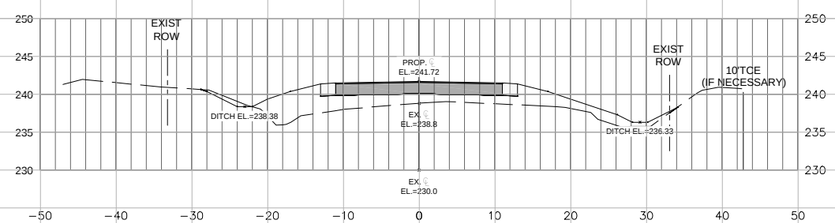

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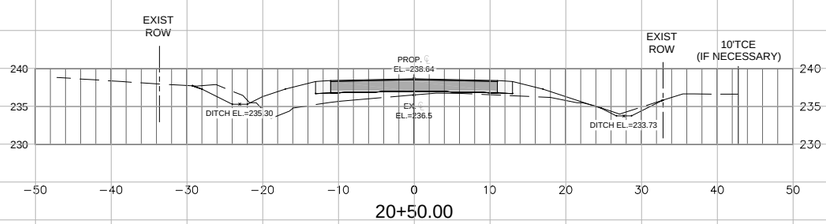

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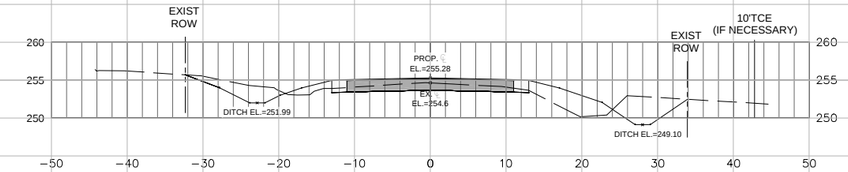

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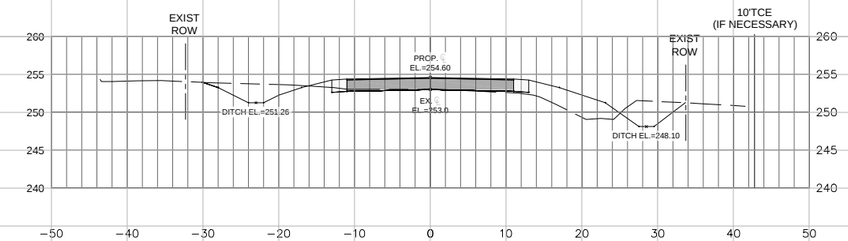

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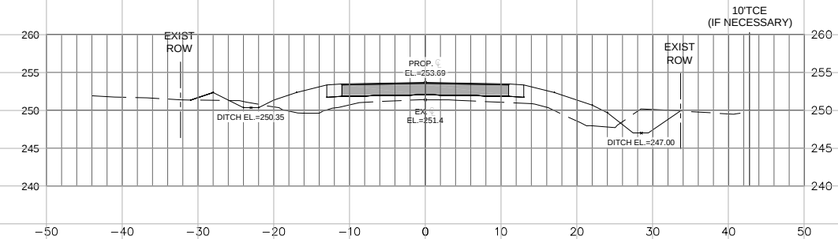

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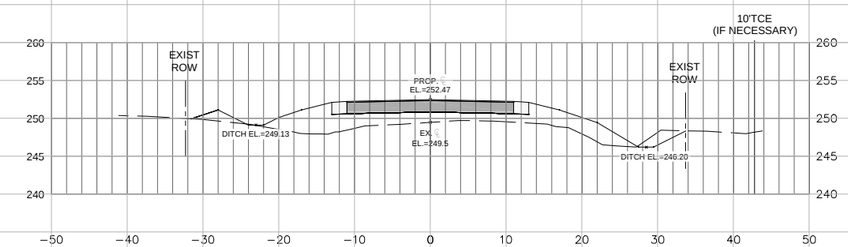

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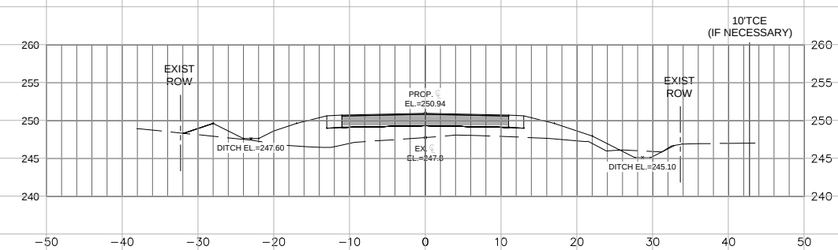

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KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

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Designed By:	P.M.H.
Checked By:	J.L.L.
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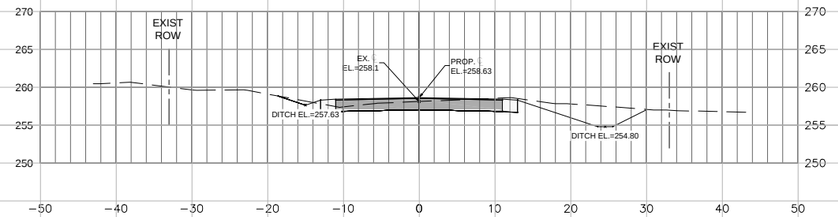

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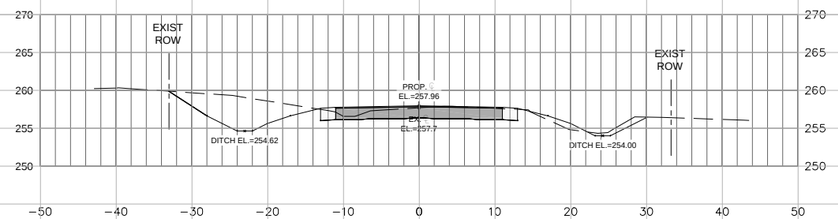

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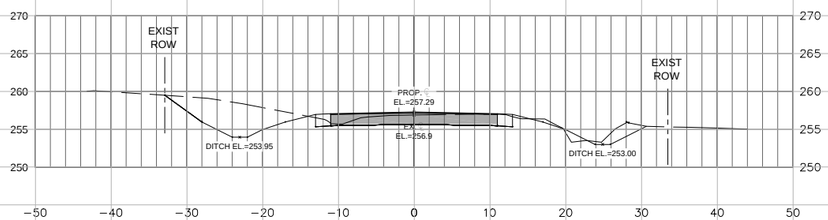

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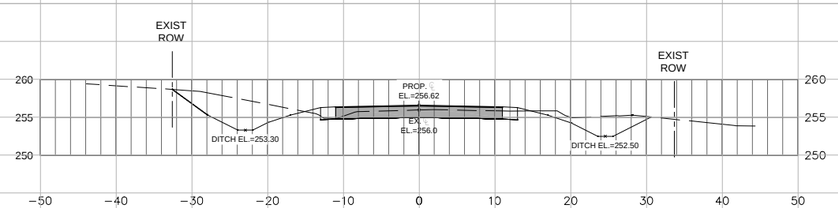

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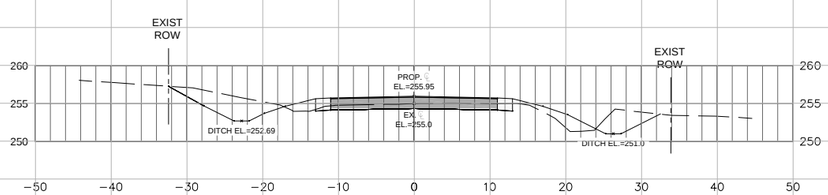

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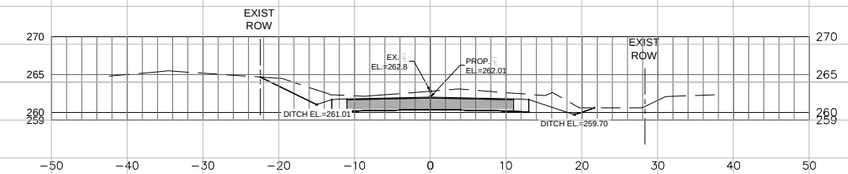

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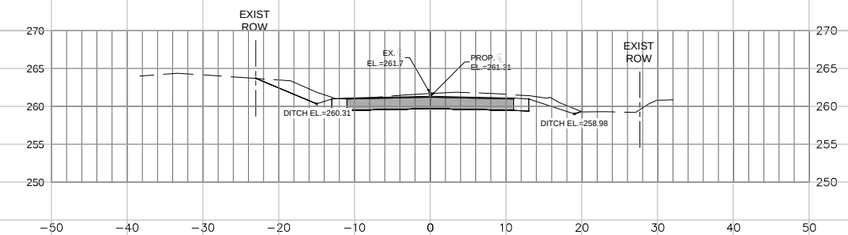

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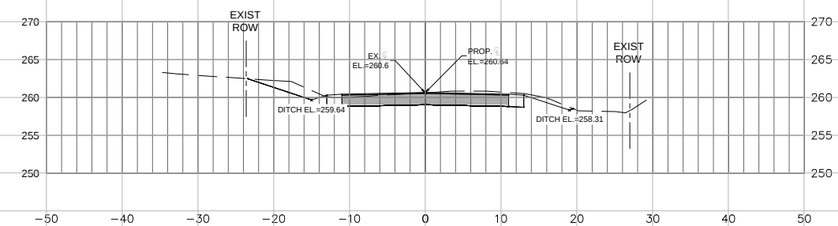

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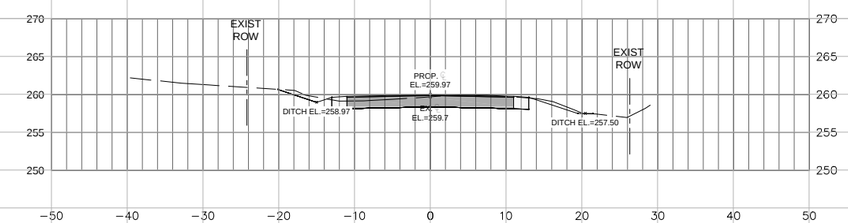

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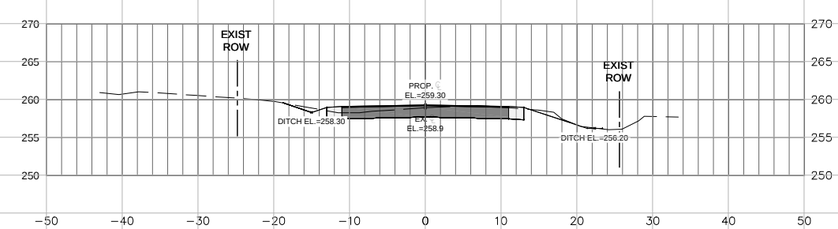

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KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

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Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	17

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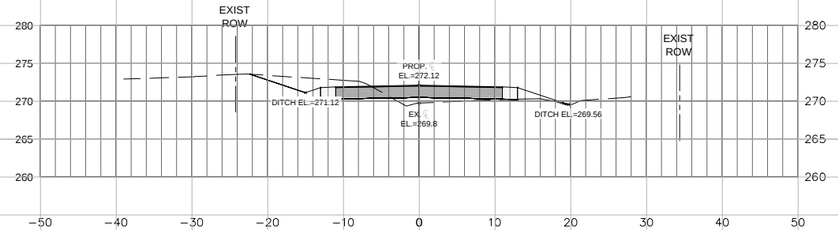

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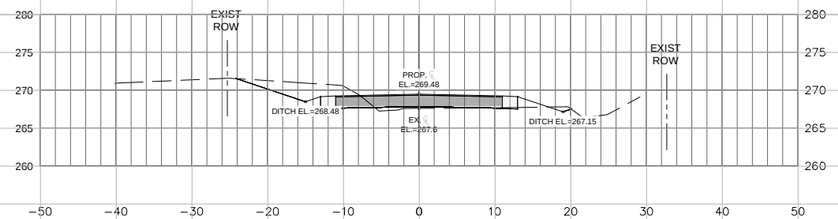

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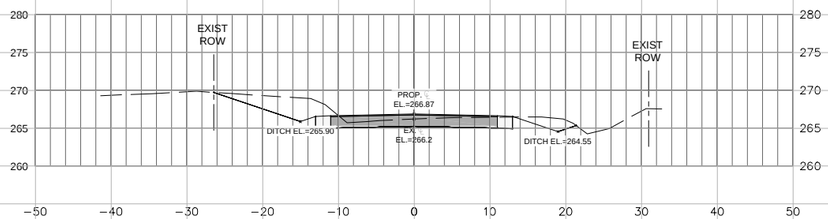

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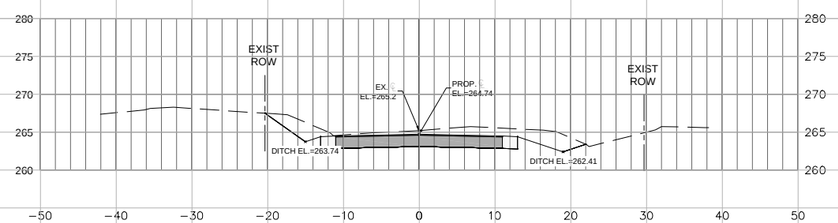

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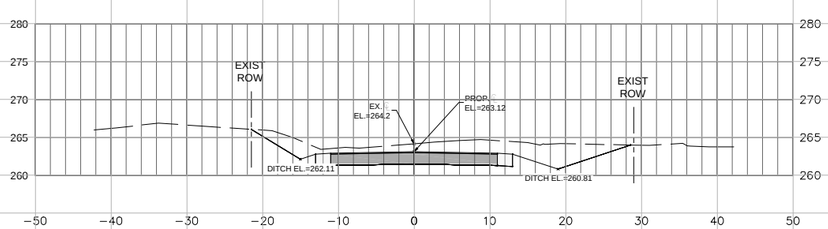

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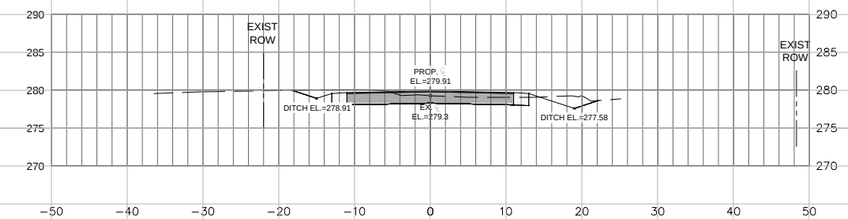

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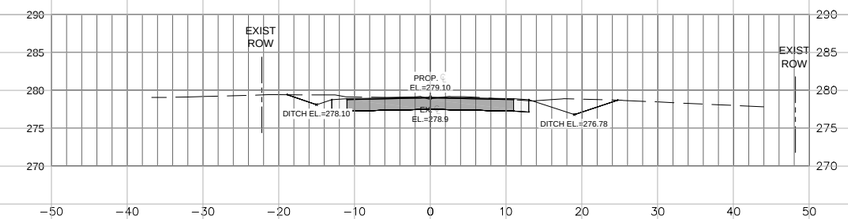

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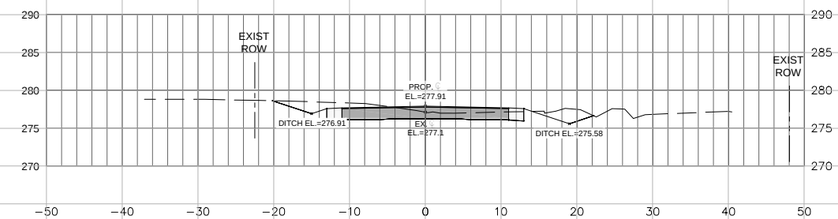

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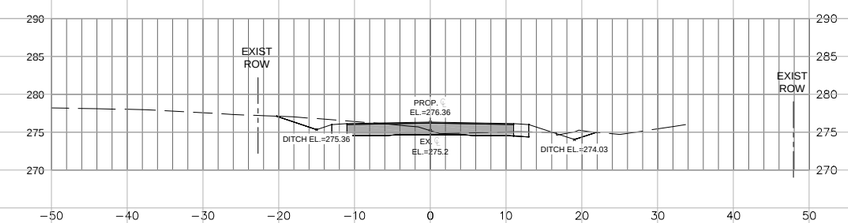

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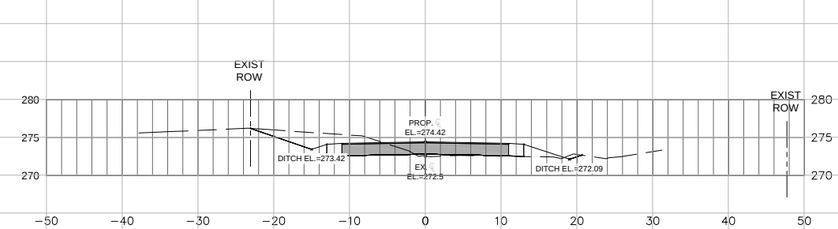

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KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

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Drawn By:	C.W.H.
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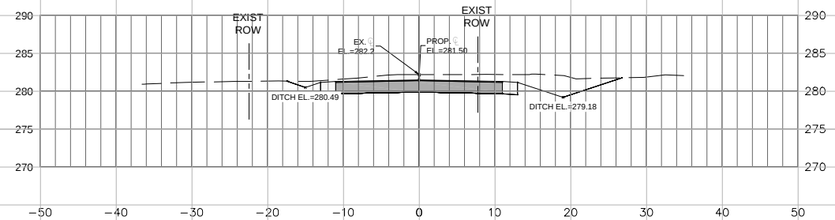

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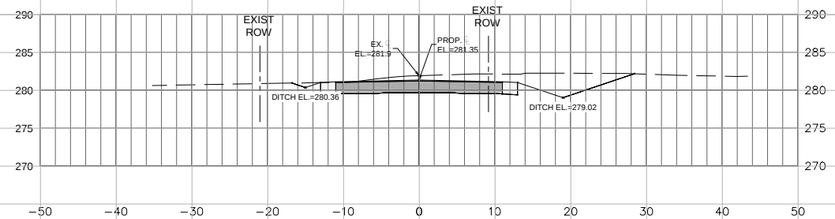

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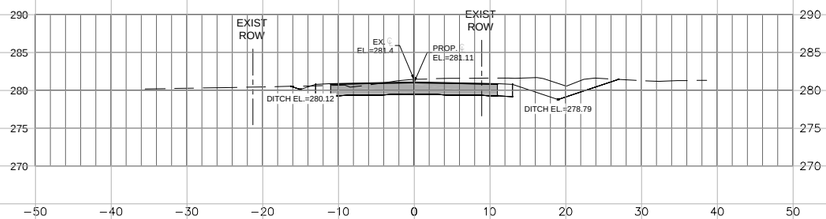

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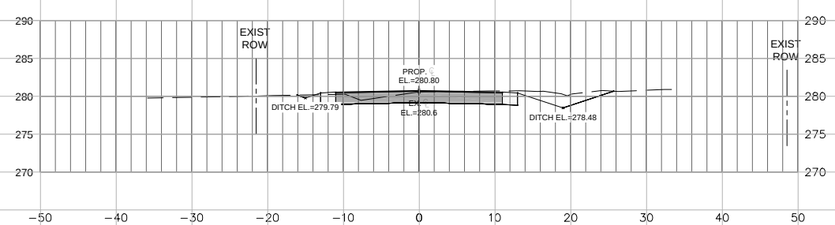

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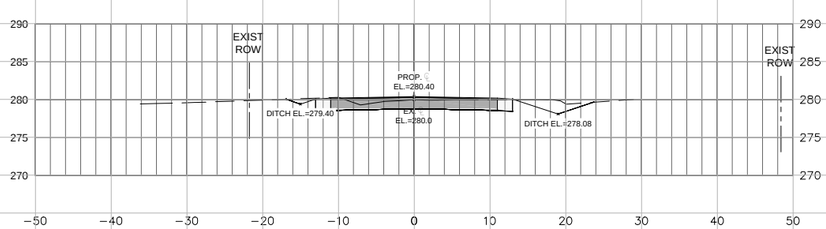

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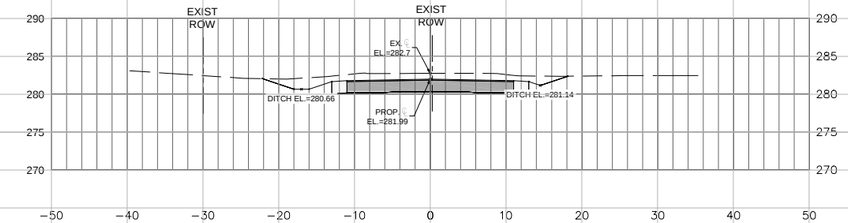

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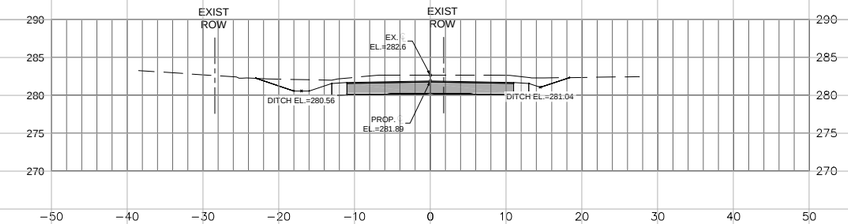

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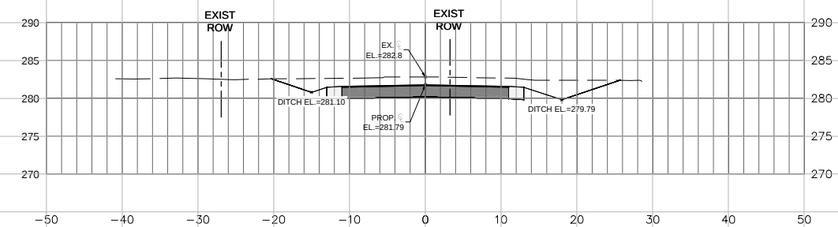

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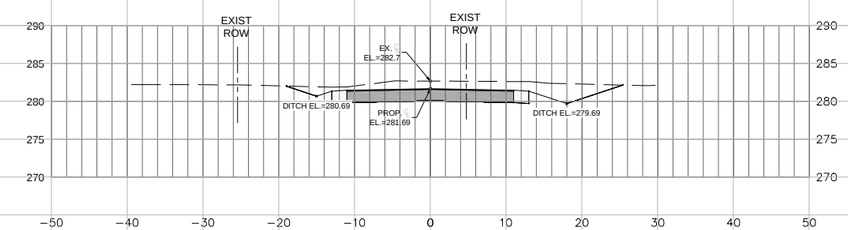

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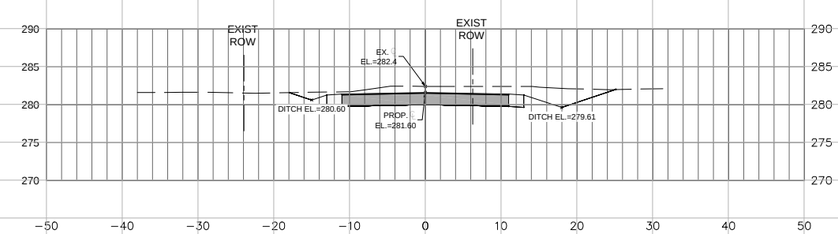

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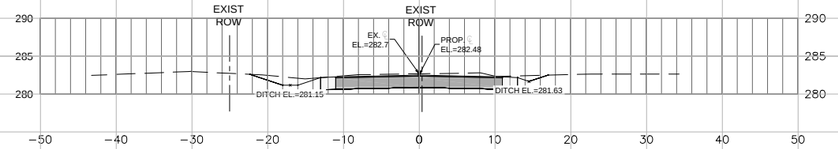

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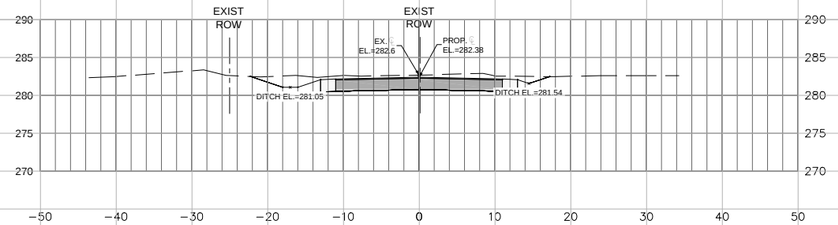

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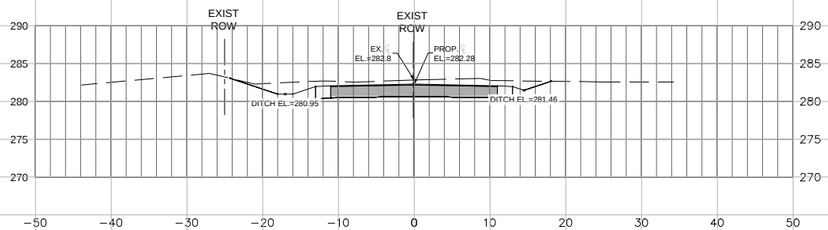

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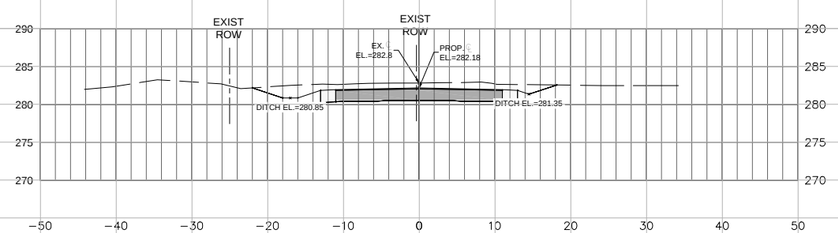

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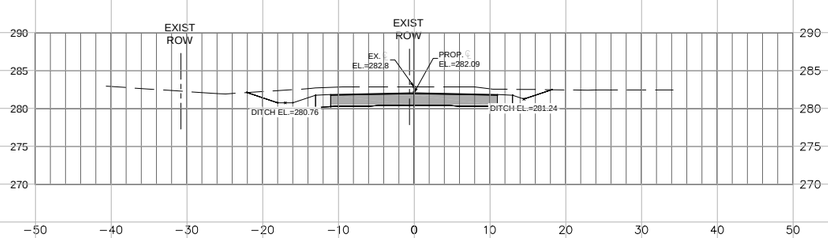

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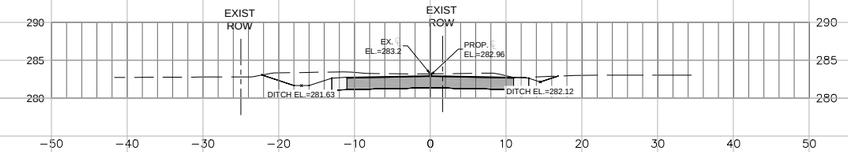

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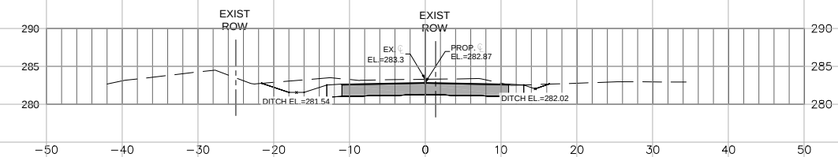

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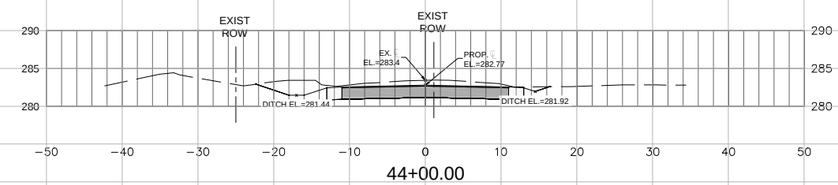

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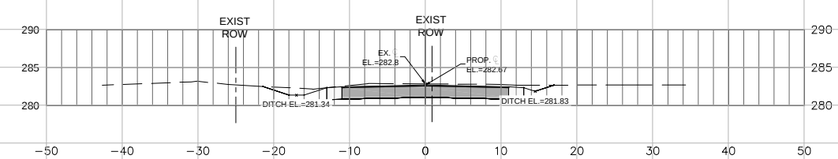

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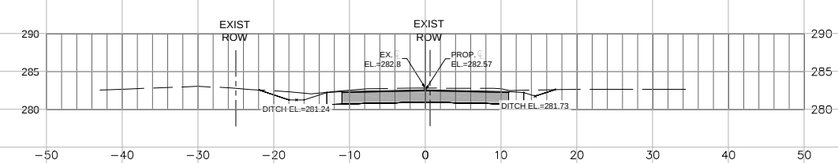

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BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

Project Number:	121202
Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	20

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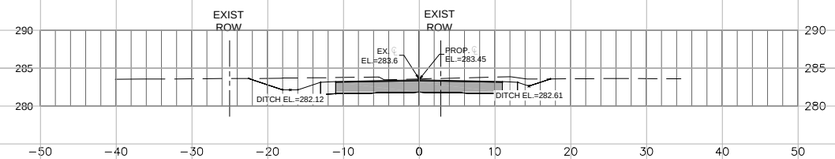

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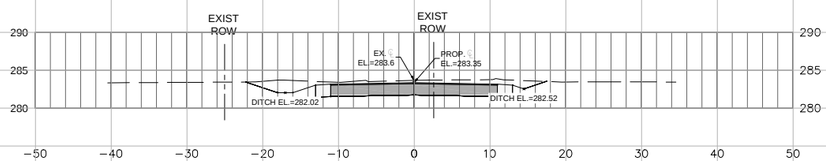

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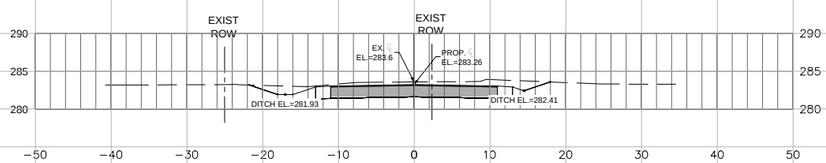

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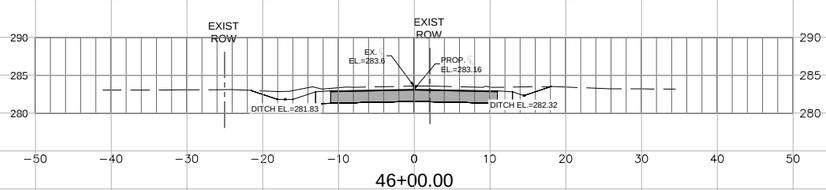

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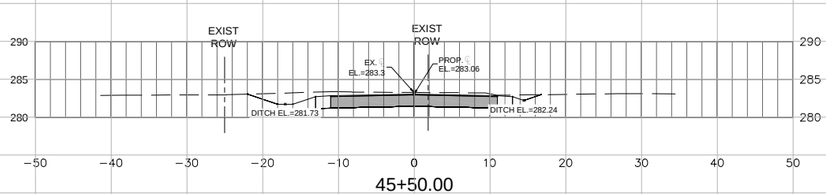

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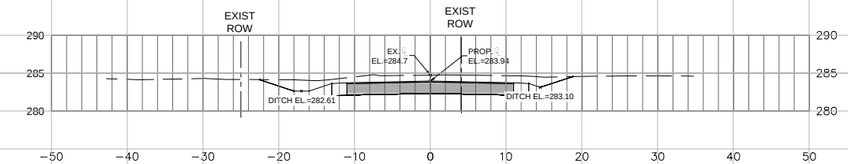

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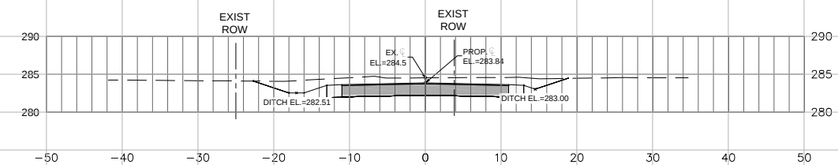

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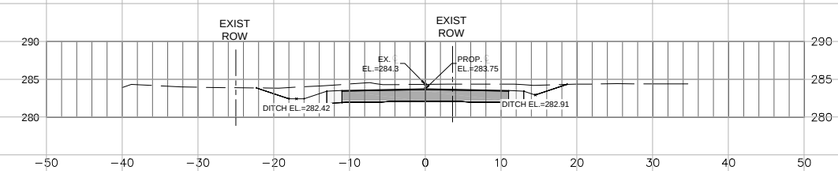

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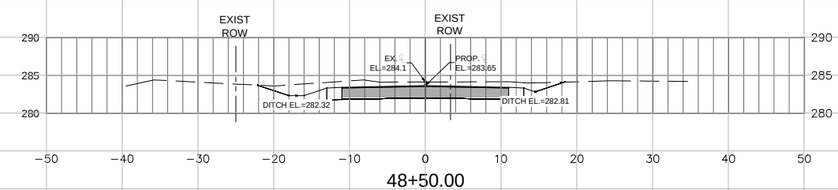

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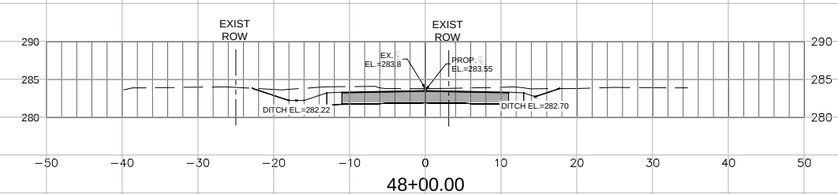

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ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

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Designed By:	P.M.H.
Checked By:	J.L.L.
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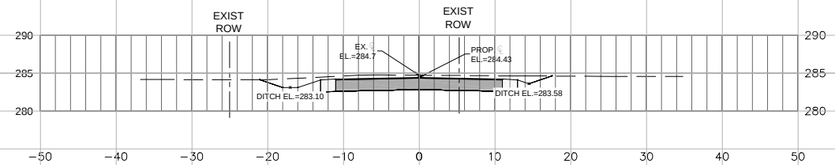

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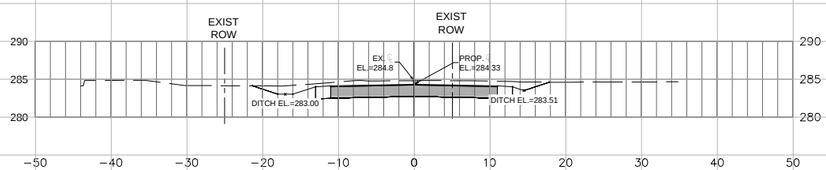

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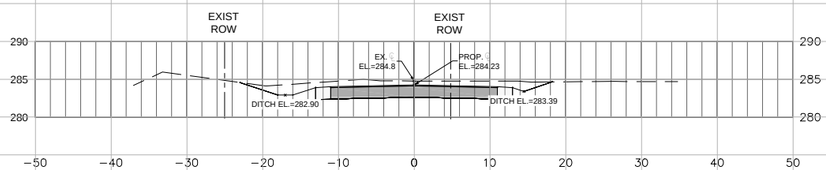

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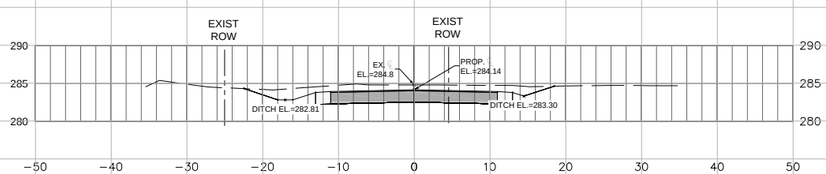

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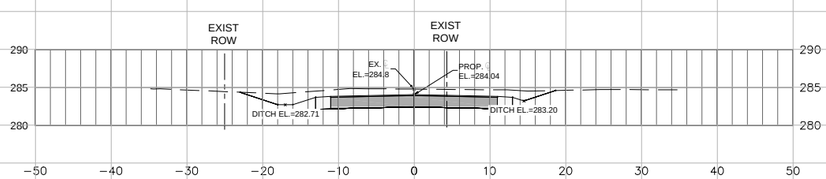

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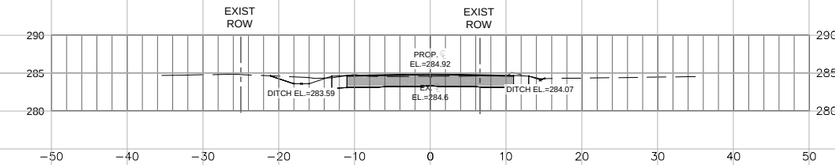

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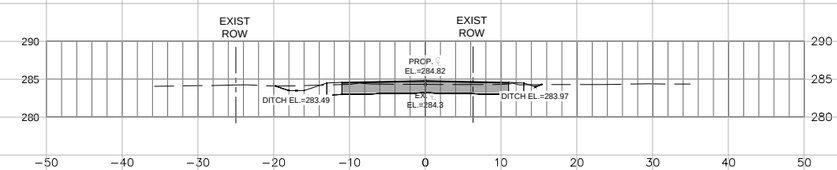

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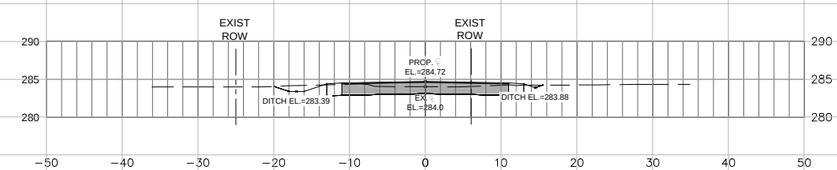

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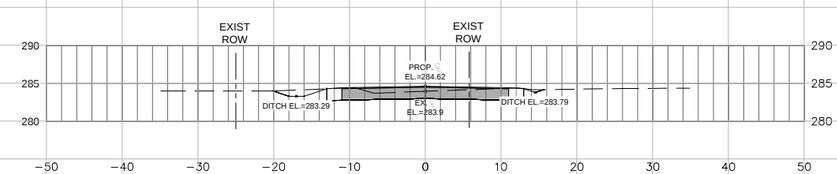

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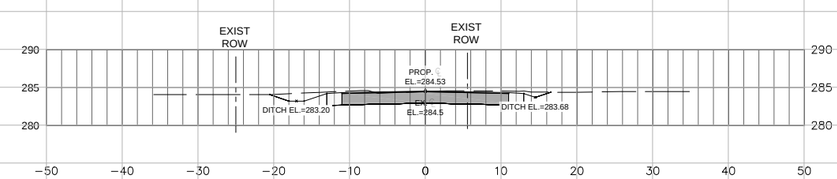

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ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

CROSS SECTION SHEET

NO.	REVISION	DATE

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Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	22

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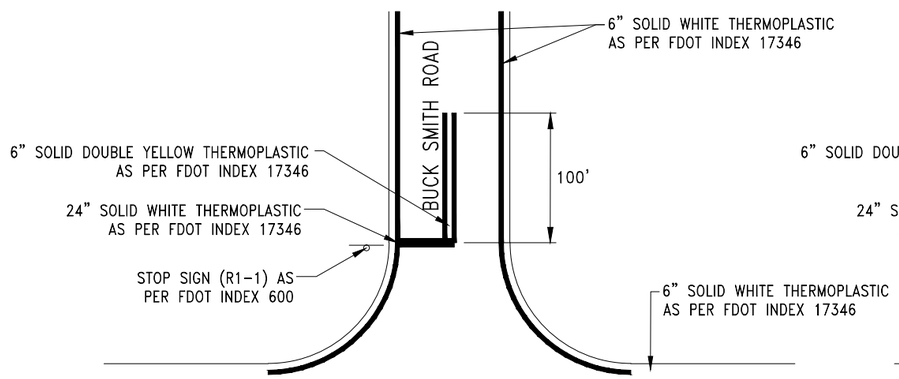
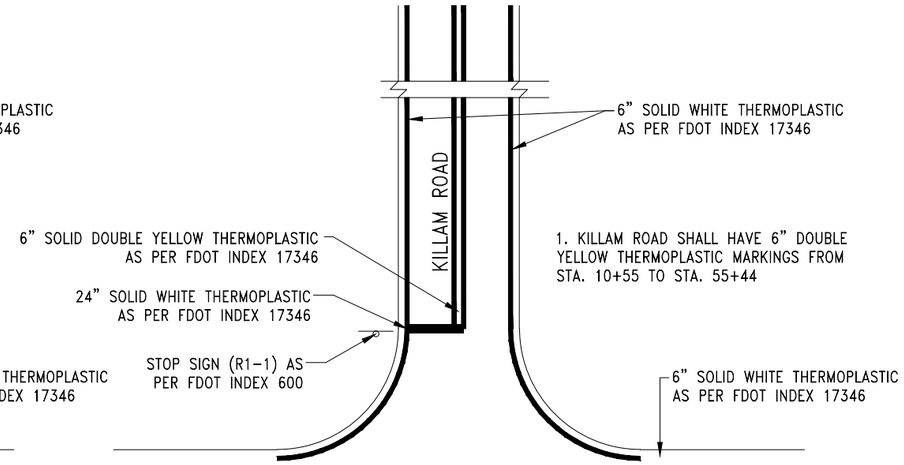
NOTES:

1. REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED IN ACCORDANCE WITH 2016 FDOT DESIGN STANDARDS, INDEX NO. 17352 FOR THE LIMITS OF THE PROJECT.
2. FOUR (4) 25MPH SPEED LIMIT SIGNS TO BE PLACED WITHIN THE PROJECT LIMITS AT THE DIRECTION OF ESCAMBIA COUNTY DESIGNEE.

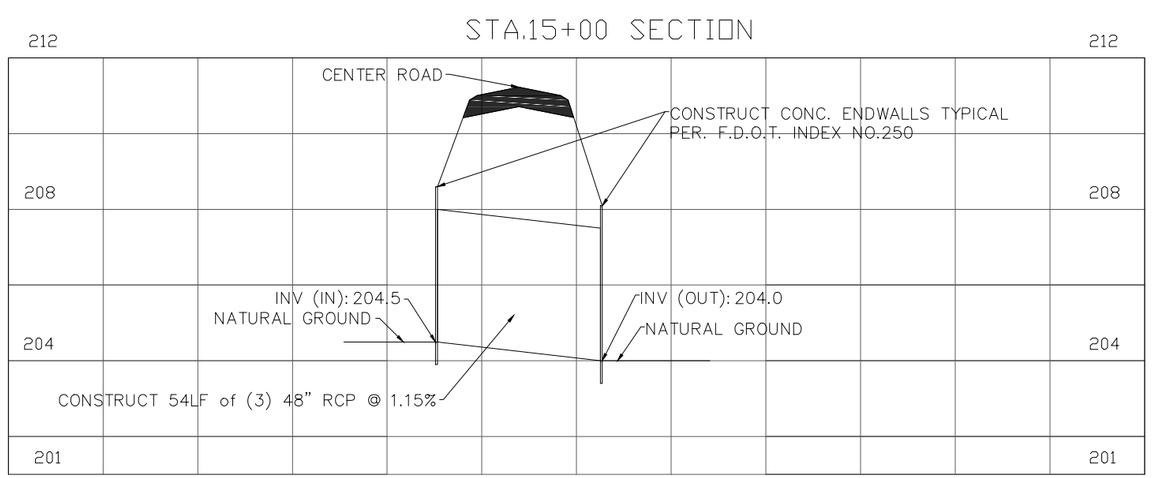


KILLAM ROAD



STATE LINE ROAD/HWY 4A

TYPICAL STRIPING DETAIL
NOT TO SCALE



ROADWAY CULVERT DETAIL
NOT TO SCALE

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TYPICAL DRIVEWAY CONNECTION STANDARDS FOR EXISTING ROADWAY CONDITIONS

NOTES:

1) ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.

2) RESIDENTIAL DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1 – ½" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" CONCRETE WITH 6" STABILIZED SUB GRADE – 98% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.

3) DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.

4) IF NECESSARY, REFER TO FDOT INDEX DETAILS AS REFERENCED BELOW.

5) RADIUS OR FLARE IS REQUIRED FOR TYPE II OR TYPE III CONNECTIONS. SEE DETAIL.

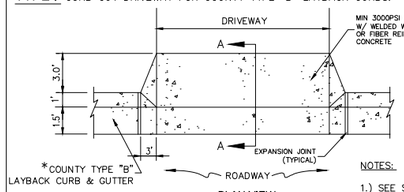
6) PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.

7) TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM. (SEE NOTE #2 FOR PAVEMENT TYPES AND DEPTHS)

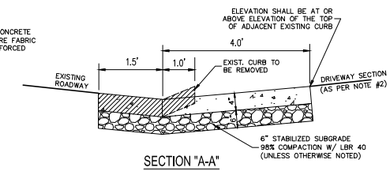
8) DRIVEWAY SLOPE SHALL NOT CREATE OR EXACERBATE VEHICULAR SCRAPING. ATTEMPTS SHALL BE MADE TO CORRECT THIS TYPE OF PROBLEM.

9) FOR COUNTY IMPROVEMENT PROJECTS, REPLACEMENT DRIVEWAYS SHALL MATCH EXISTING WIDTHS AT ROADWAY EDGE OF TRAVEL WITHOUT COMPROMISING SAFETY.

TYPE I CURB CUT DRIVEWAY FOR COUNTY TYPE "B" LAYBACK CURBS.



PLAN VIEW

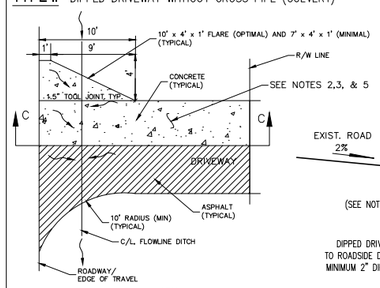


SECTION "A-A"

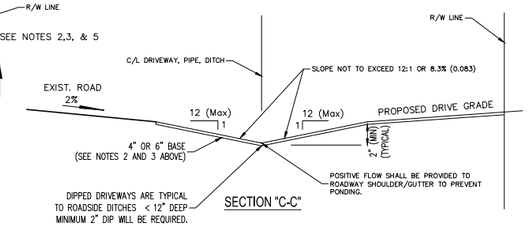
NOTES:

1.) SEE STANDARD COUNTY CURB DETAILS FOR REFERENCE.
2.) SEE F.D.O.T. INDEX NO. 515 FOR OTHER CONNECTIONS.
* FOR OTHER TYPE CURBS, DIMENSIONS MUST BE ADJUSTED, WHEN NECESSARY TO FIT.

TYPE II DIPPED DRIVEWAY WITHOUT CROSS PIPE (CULVERT)

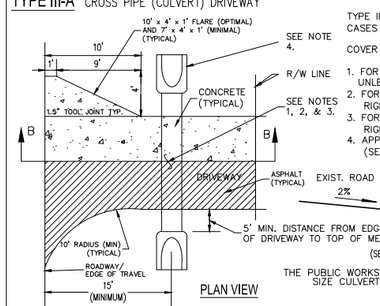


PLAN VIEW



SECTION "C-C"

TYPE III-A CROSS PIPE (CULVERT) DRIVEWAY



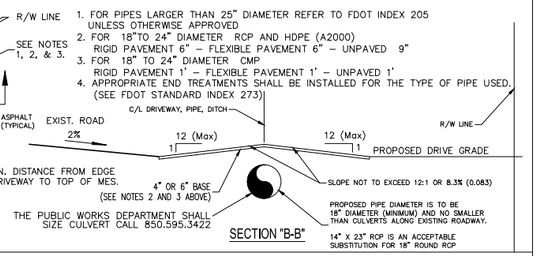
PLAN VIEW

NOTES:

TYPE IIIB DRIVEWAY W/ CONCRETE OR SANDBAG HEADWALLS MAY BE USED IN SPECIAL CASES AS APPROVED BY THE PUBLIC WORKS / DEVELOPMENT REVIEW DEPARTMENT.

COVER REQUIREMENTS –

1. FOR PIPES LARGER THAN 25" DIAMETER REFER TO FDOT INDEX 205 UNLESS OTHERWISE APPROVED
2. FOR 18"TO 24" DIAMETER RCP AND HDPE (A2000)
   RIGID PAVEMENT 6" – FLEXIBLE PAVEMENT 6" – UNPAVED 9"
3. FOR 18" TO 24" DIAMETER CMP
   RIGID PAVEMENT 1' – FLEXIBLE PAVEMENT 1' – UNPAVED 1'
4. APPROPRIATE END TREATMENTS SHALL BE INSTALLED FOR THE TYPE OF PIPE USED. (SEE FDOT STANDARD INDEX 273)



THE PUBLIC WORKS DEPARTMENT SHALL SIZE CULVERT CALL 850.595.3422

SECTION "B-B"

TYPE IV SPECIAL INNOVATIVE DRIVEWAY CONNECTION AS DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.) OR LICENSED CONTRACTOR APPROVED BY THE APPROPRIATE PUBLIC WORKS / DEVELOPMENT REVIEW STAFF AND REQUIRES A DETAILED PLAN SUBMITTAL FOR REVIEW PRIOR TO ISSUANCE OF PERMIT.

TYPE IV-A REQUIRES A F.D.O.T. CONNECTION PERMIT (PROVIDE APPROVED F.D.O.T. PERMIT TO OBTAIN COUNTY APPROVAL). REFER TO INDEX NO. 515 AND CONTACT F.D.O.T. AT (850) 981-3000. MAY REQUIRE PLANS PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.).

REVISED 7/22/2016

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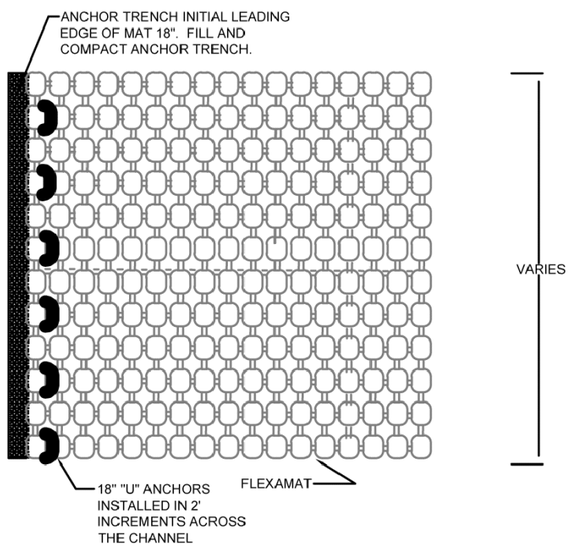
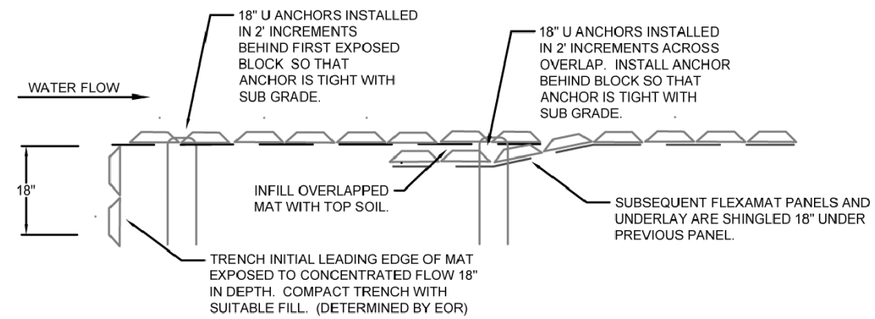
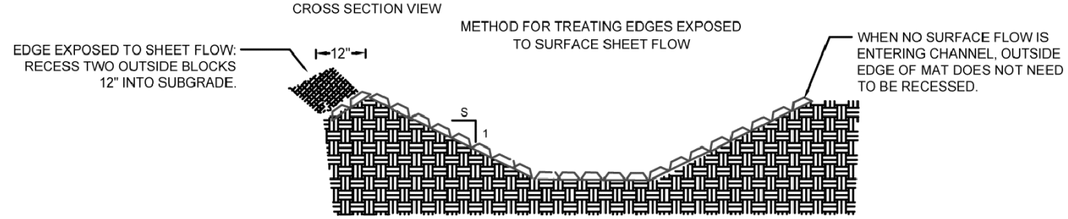


PROFILE VIEW
PERPENDICULAR OVERLAPS



CROSS SECTION VIEW

METHOD FOR TREATING EDGES EXPOSED TO SURFACE SHEET FLOW



CONSTRUCTION NOTES:

1. GRADE CHANNEL SO THAT WATER WILL FLOW DOWN THE CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS WITH NO SHARP OR ABRUPT BREAKS IN THE GRADE .
2. APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
3. INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16' AVAILABLE IN CUSTOM LENGTHS. FOR WIDER WIDTHS, INSTALL MATS ADJACENT TO EACH OTHER. (CONTACT MANUFACTURER FOR DETAIL ADDRESSING LONGITUDINAL SEAMS.)
4. AT THE TOP OF THE CHANNEL, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOWS SHALL BE EMBEDDED 18" VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY EOR).
5. FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 18" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
6. INSTALL 18" "U" ANCHORS IN 2' INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS. "U" ANCHORS CONSIST OF #2 REBAR "U" ANCHOR WITH 18" LEGS.
7. AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SUITABLE FILL. (DETERMINED BY EOR)

"FINAL PLANS – FOR BIDDING"

SIGMA CONSULTING GROUP, INC.
3298 SUMMIT BOULEVARD, SUITE 32
PENSACOLA, FLORIDA 32503
PHONE: (850) 332-7912
CERTIFICATE OF AUTHORIZATION #26889

BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

KILLAM ROAD
DIRT ROAD PAVING

DETAILS

NO.	REVISION	DATE

Project Number:	121202
Date:	JULY 2016
Drawn By:	C.W.H.
Designed By:	P.M.H.
Checked By:	J.L.L.
Sheet:	25

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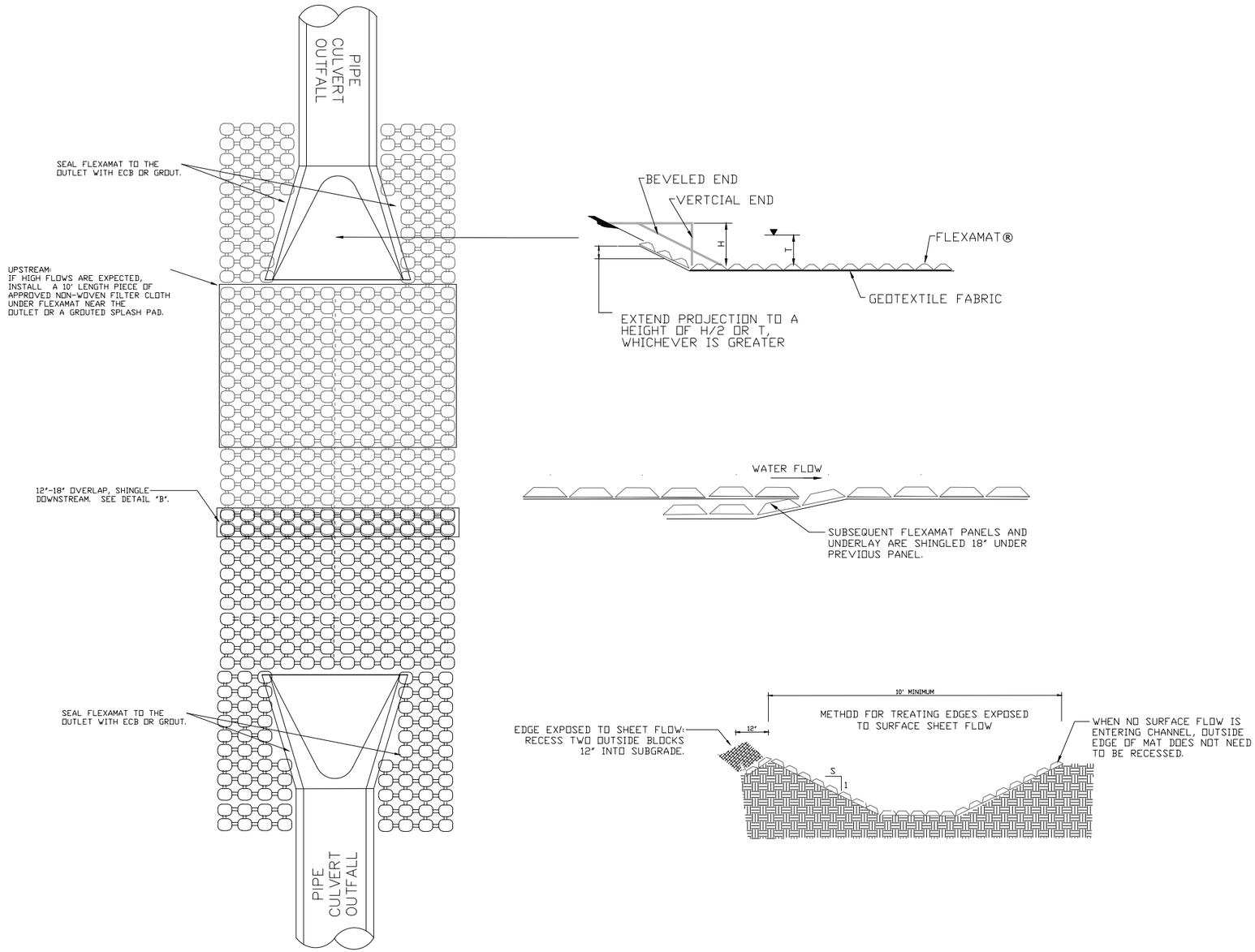

NOTES:

1. ALL CONNECTIONS TO MITERED END SECTIONS, PINS, SHINGLE OVERLAPS, AND TOE-INS ARE TO BE INCLUDED IN THE UNIT PRICE FOR TIED CONCRETE BLOCK.
2. FINISHED GRADE OF EXPOSED CONCRETE BLOCK SHALL BE A MINIMUM OF 10 FEET WIDE.

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