

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



AUGUSTA KENNEBEC COUNTY

RTE 201

Federal Project No. 2293800 MaineDOT WIN 022938.00
PROJECT LENGTH : 0.112 MILES

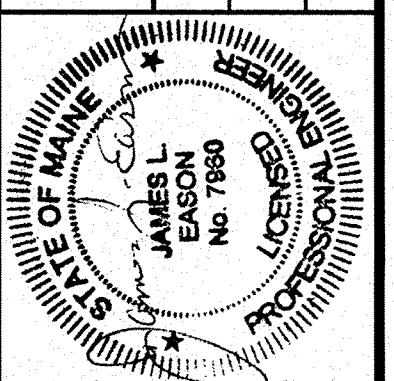
PLAN LEGEND

Town, County, State	-----	Catch Basins	▣ Existing	■ Proposed
Property Lines	-----	Manholes	○ Existing	● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	
R/W Lines-Proposed	-----	Proposed Ditch	-----	
Culvert-Existing	-----	Existing Ditch	-----	
Culvert Proposed	-----	Utility Poles	⊕ Existing	⬢ Proposed
Curbing	Existing Proposed	Fire Hydrants	⊙ Existing	⊙ Proposed
Type 1	-----	Existing Water Line	-----	
Type 3	-----	Existing San. Sewer	-----	
Type 5	-----	Existing San. Sewer Manhole	⊙	
Outline of Bodies of Water	-----	Guardrail-Existing	-----	
Exposed Bedrock	-----	Guardrail-Proposed	-----	
Buildings	-----	Guardrail-Cable, Other	-----	
Trees	Conifer Deciduous	Centerline-Existing	-----	
Tree Line	-----	Centerline-Proposed	-----	
Clearing Limit Line	-----	Travelway-Existing	-----	
Railroad	-----	Travelway-Proposed	-----	
Boring	⊕ HB-XXX-###	Probe	⊕ P-#. #X	
Pavement Core	● PC-#	#. # = Depth		
Test Pit	■ TP-XXX-###	X = W (Weathered Rock)		
		R (Refusal)		
		NR (No Refusal)		

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	11/9/18
COMMISSIONER:		
CHIEF ENGINEER:	<i>[Signature]</i>	11-9-18



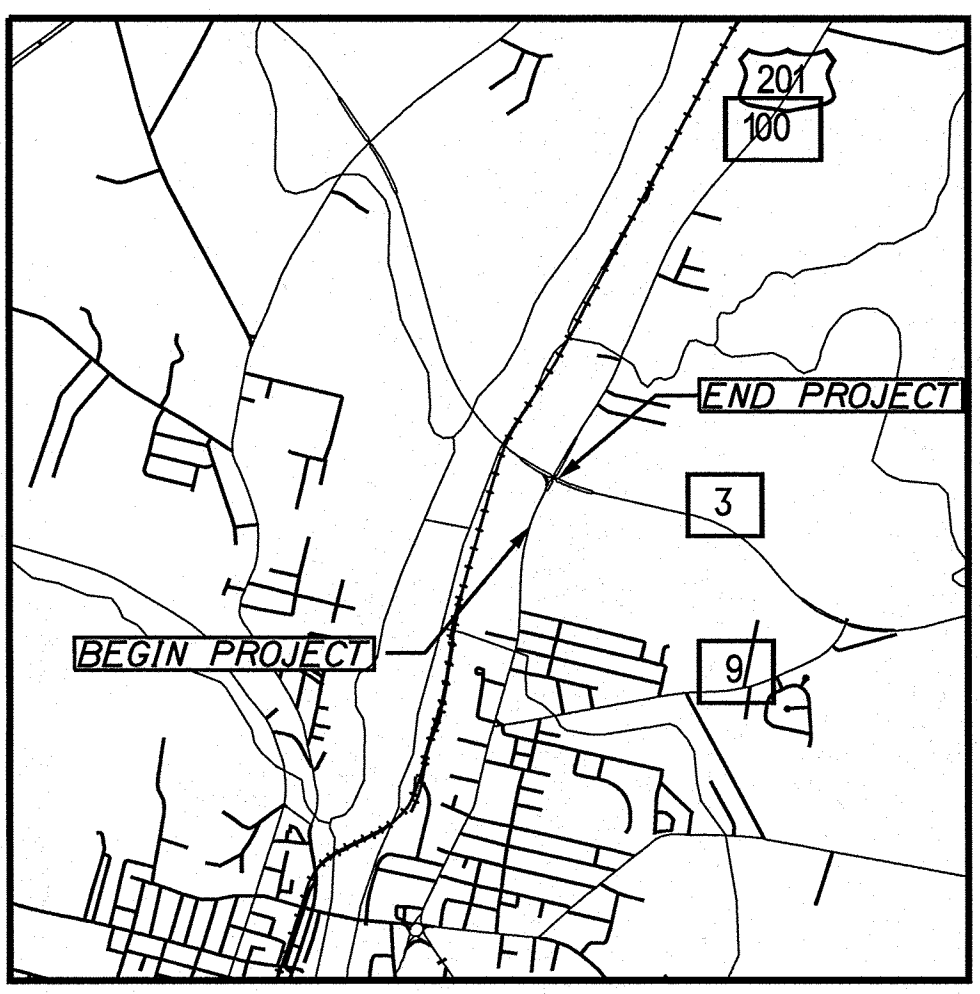
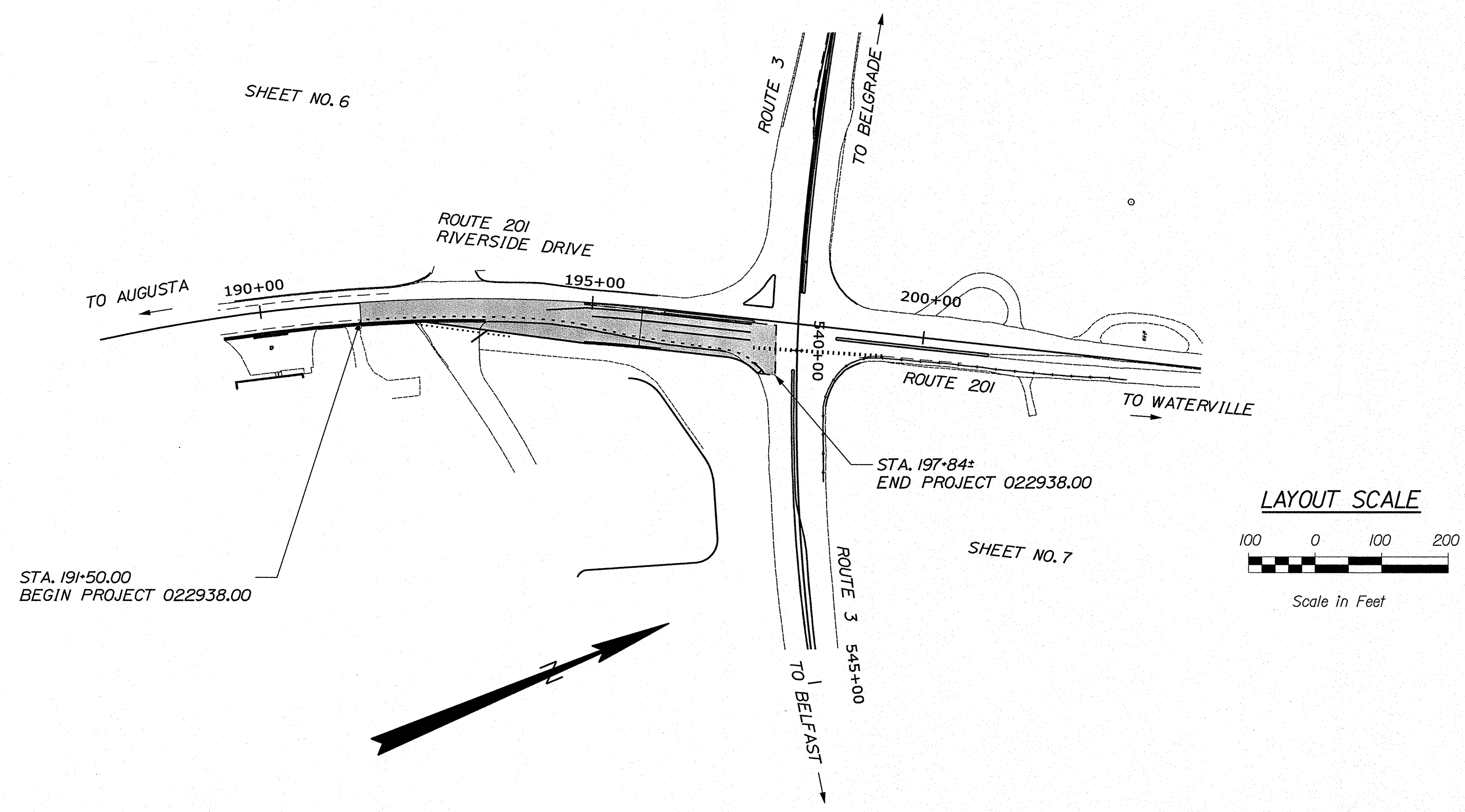
SIGNATURE	DATE
AL GODFREY/JAMES EASON	Nov. 2, 2018
F. E. NUMBER	
7960	

PROJECT INFORMATION	
PROGRAM	MULTIMODAL
PROJECT MANAGER	AURELLE CORNEAU II
DESIGNER	AL GODFREY/JAMES EASON
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

TRAFFIC DATA

Rte 201 sw/o Rte 3

Current (2018) AADT	13,380
Future (2030) AADT	14,580
DHV - % of AADT	10%
Design Hour Volume	1,509
% Heavy Trucks (AADT)	6%
% Heavy Trucks (DHV)	3%
Directional Distribution (DHV)	58%
18 kip Equivalent P 2.0	325
18 kip Equivalent P 2.5	309
Design Speed (mph)	35
Functional Class:	Urb. Min. Art.
Corridor Priority	2



PROJECT LOCATION:	INTERSECTION OF ROUTE 3 AND ROUTE 201 IN AUGUSTA
PROGRAM AREA:	MULTIMODAL
SCOPE OF WORK:	INTERSECTION IMPROVEMENTS

022938.00 2293800

AUGUSTA
RTE 201 \ RTE 3
TITLE SHEET

SHEET NUMBER
1
OF 18

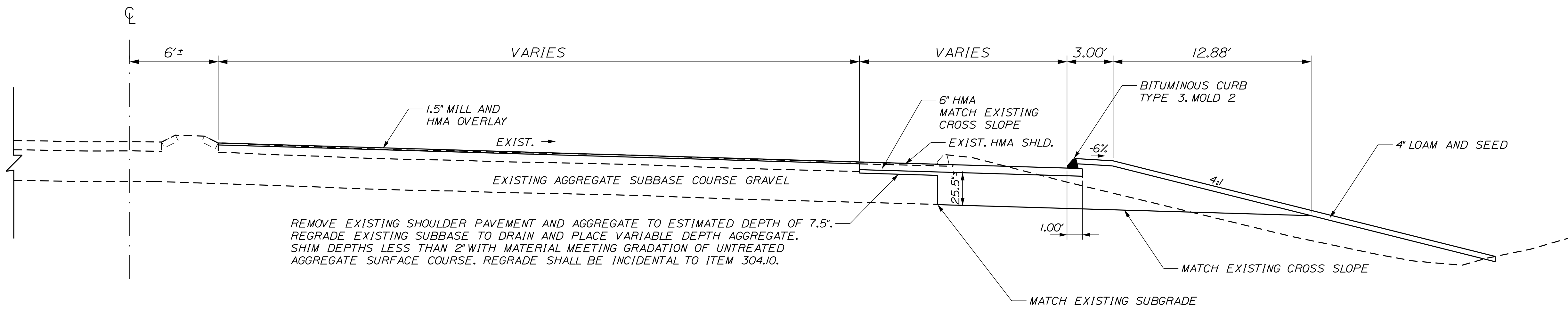
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Division: HIGHWAY
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Date: 10/4/2018

Username: common

Division: HIGHWAY

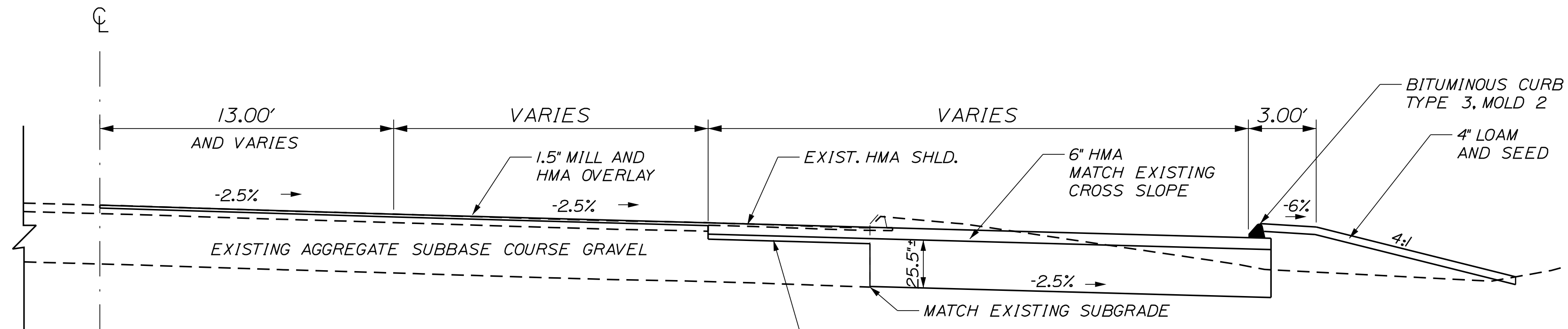
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REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 7.5\"/>

ROUTE 201 NORTHBOUND
NTS
STA. 196+25 TO STA. 197+84

AGGREGATE BASE COURSE - GRAVEL (ITEM 304.10)	
VAR. WIDTH TRAVELWAY	RIGHT SHOULDER
7.87 CY/ILF WIDTH/100 LF	102.85 CY/100 LF
STATION TO STATION	STATION TO STATION
196+25 to 197+84	196+25 to 197+84



REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 7.5\"/>

ROUTE 201 NORTHBOUND
NTS

AGGREGATE BASE COURSE - GRAVEL (ITEM 304.10)	
VAR. WIDTH TRAVELWAY	
7.87 CY/ILF WIDTH/100 LF	
STATION TO STATION	
19+50 to 196+25	

NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. EXCEPT WHERE NOTED, THE GRAVEL QUANTITY CALCULATION IS BASED ON 4\"/>

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN 022938.00
HIGHWAY PLANS

PROJ. MANAGER/RELE. GORNEAU II	DATE
BY JLE	6-18
DESIGN-DETAILED ALG	6-18
CHECKED-REVIEWED ALG	
DESIGN-DETAILED	
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SIGNATURE	DATE
7960	xxx
P.E. NUMBER	

AUGUSTA
ROUTE 201 / ROUTE 3
TYPICAL SECTIONS

SHEET NUMBER
2
OF 18

Date:10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \003_Estimate.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	2,450	SY
203.20	COMMON EXCAVATION	700	CY
203.25	GRANULAR BORROW	25	CY
206.061	STRUCT EARTH EXC-DRAIN & MINOR STRUCT-BELOW GRADE	25	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	730	CY
403.2081	12.5mm POLYMER MODIFIED HMA	300	TON
403.209	HOT MIX ASPHALT, 9.5mm (SW,DRIVES,INCIDENTALS)	11	TON
403.211	HOT MIX ASPHALT (SHIM)	34	TON
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	290	TON
409.15	BITUMINOUS TACK COAT - APPLIED	200	GAL
604.16	ALTER CATCH BASIN TO MANHOLE	1	EACH
604.18	ADJUST MH OR CB TO GRADE	1	EACH
604.262	CATCH BASIN TYPE B5-C	1	EACH
605.09	6" UNDERDRAIN, TYPE B	320	LF
605.10	6" UNDERDRAIN OUTLET	65	LF
605.11	12" UNDERDRAIN, TYPE C	40	LF
606.356	UNDERDRAIN DELINEATOR POST	2	EACH
607.25	REMOVE AND RESET CHAIN LINK FENCE	240	LF
609.31	CURB TYPE 3	420	LF
610.08	PLAIN RIPRAP	7	CY
615.07	LOAM	90	CY
618.13	SEEDING METHOD NUMBER 1	7	UNIT
619.12	MULCH	7	UNIT
626.11	PRECAST CONCRETE JUNCTION BOX	2	EACH
626.22	NON-METALLIC CONDUIT	400	LF
626.332	30" DIA GREATER 8' L & 36" DIA, 42" DIA FOUNDATION	8	CY
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	3	EACH
627.733	4" WHITE OR YELLOW PAINTED PVMT MARKING LINE	3,000	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	600	SF
627.78	TEMP 4" PAINT PVMT MARK LINE W OR Y	1,400	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	5	HR
634.160	HIGHWAY LIGHTING	1	LS
634.2042	LED LUMINAIRES	2	EACH
634.208	REMOVE AND RESET LIGHT STANDARDS	2	EACH
639.19	FIELD OFFICE TYPE B	1	EACH
643.71	TRAFFIC SIGNAL MODIFICATION	1	LS
643.83	VIDEO DETECTION SYSTEM	1	LS
643.911	RESET EXISTING MAST ARM POLES	1	LS
643.97	WOOD POLES WITH GUYS AND SPAN WIRE	2	EACH
645.103	DEMOUNT GUIDE SIGN	1	EACH

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
645.106	DEMOUNT REG, WRNG, CONF & RTE MARKER SIGN	22	EACH
645.113	REINSTALL GUIDE SIGN	1	EACH
645.116	REINSTALL REG, WRNG, CONF & RTE MARKER SIGN	22	EACH
645.292	REG WARN CONF RTE SIGNS TYPE 11	40	SF
652.33	DRUM	35	EACH
652.34	CONE	35	EACH
652.35	CONSTRUCTION SIGNS	700	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	40	CD
652.38	FLAGGER	640	HR
652.381	TRAFFIC OFFICER	10	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	1	EACH
656.75	TEMP. SOIL EROSION AND WATER POLLUTION CONTROL PLAN	1	LS
659.10	MOBILIZATION	1	LS

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
SUMMARY OF EARTHWORK AND BORROW			
COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM CROSS SECTIONS - MAINLINE)		683	CY
GRUBBING IN FILL		25	CY
TOTAL COMMON EXCAVATION		708	CY
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM CROSS SECTIONS)		323	CY
GRUBBING IN FILL		25	CY
TOTAL FILL		349	CY
ROCK EXCAVATION FOR ESTIMATE			
ROCK EXCAVATION		0	CY
TOTAL ROCK EXCAVATION		0	CY
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			
(1) TOTAL COMMON EXCAVATION			
DEDUCTIONS:			
GRUBBING IN CUT		116	CY
GRUBBING IN FILL		25	CY
PAVEMENT SALVAGE (CUT & FILL)		105	CY
(2) TOTAL DEDUCTIONS		246	CY
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		462	CY
TOTAL AVAILABLE STRUCT. EXC. (USUALLY UNDERDRAIN ONLY)		100	CY
TOTAL AVAILABLE NON-ROCK EXCAVATION		562	CY
COMPUTATION OF COMMON BORROW FOR ESTIMATE			
(3) TOTAL FILL			
TOTAL AVAILABLE NON-ROCK EXCAV.		562	X 0.90 = 506 CY
TOTAL AVAILABLE ROCK EXCAV.		0	X 1.30 = 0 CY
(4) TOTAL AVAILABLE EXCAVATION		506	CY
BORROW NEEDED (3) MINUS (4)		-157	CY
TOTAL SURPLUS WASTE MATERIAL		403	CY

STATE OF MAINE DEPARTMENT OF TRANSPORTATION 2293800 WIN 022938.00 HIGHWAY PLANS	AUGUSTA ROUTE 201 / ROUTE 3 ESTIMATED QUANTITIES	SHEET NUMBER 3 OF 18
PROJ. MANAGER/RELE. CORNEAU II CHECKED-REVIEWED ALG DESIGNS-DETAILED ALG DESIGNS-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	DATE 6-18 BY JLE SIGNATURE P.E. NUMBER 7960 XXX DATE	

Date:10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \004_GeneralNotes.dgn

GENERAL NOTES

- 1. A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USES OF MILLINGS OR RAP WILL NOT BE ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON. TEMPORARY RAMPS SHALL BE CONSTRUCTED AT A LENGTH OF FOUR FEET PER INCH OF TRANSITION DEPTH. MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.
- 2. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
- 3. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
- 4. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.
- 5. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
- 6. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
- 7. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL PAID FOR AS GRANULAR BORROW.
- 8. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.
- 9. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 18" AGGREGATE SUBBASE COURSE GRAVEL.
- 10. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
- 11. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.
- 12. GRANULAR BORROW USED UNDER PIPES SHALL MEET THE REQUIREMENTS FOR MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.
- 13. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.
- 14. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- 15. PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL.
- 16. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.
- 17. AS DIRECTED BY THE RESIDENT, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
- 18. A 3 FT. X 3 FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT UNDERDRAIN OUTLETS.
- 19. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.
- 20. BACKING UP BITUMINOUS CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE NEW BITUMINOUS CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS CURB SHALL BE INCIDENTAL TO THE NEW CURB. IF CALLED FOR ON THE PLANS OR DIRECTED BY THE RESIDENT, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.
- 21. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
- 22. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL AREAS.
- 23. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
- 24. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF ITEM 627.78.
- 25. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 26. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
- 27. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
- 28. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

- 29. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
- 30. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
- 31. THE CONTRACTOR WILL PLACE APPROPRIATELY MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT: STRIPING PATTERN CHANGES, CROSS-SLOPE CHANGES, AND EVERY 500' FOR STATIONING. THE CONTRACTOR WILL PAINT EVERY FULL STATION (100') ON THE EXISTING ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATELY SIZED STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE. STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE. CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED BEFORE PAVING CAN COMMENCE.
- 32. PAYMENT FOR AN APPROVED BOTTOM TETHER FOR OVERHEAD LANE USE SIGNAGE ATTACHED TO SPANWIRE WILL BE INCIDENTAL TO PAYMENT UNDER ITEM 643.97.

<p>AUGUSTA ROUTE 201 / ROUTE 3</p>	<p>GENERAL NOTES</p>																																																															
<p>SHEET NUMBER</p> <p style="font-size: 2em;">4</p> <p>OF 18</p>																																																																
<p>STATE OF MAINE DEPARTMENT OF TRANSPORTATION</p>	<p>2293800 WIN 022938.00 HIGHWAY PLANS</p>																																																															
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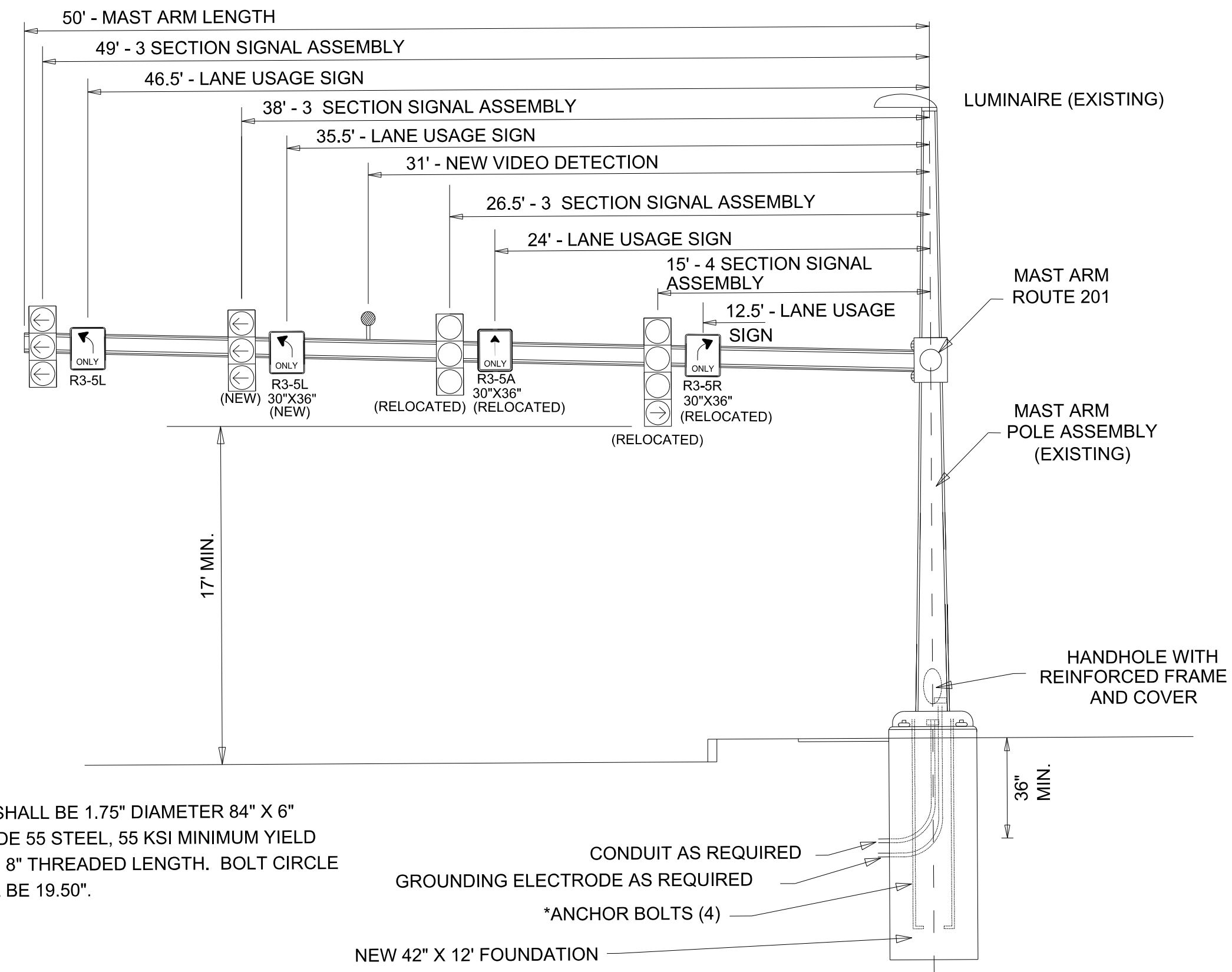
Username: common

Division: HIGHWAY

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TRAFFIC SIGNAL NOTES

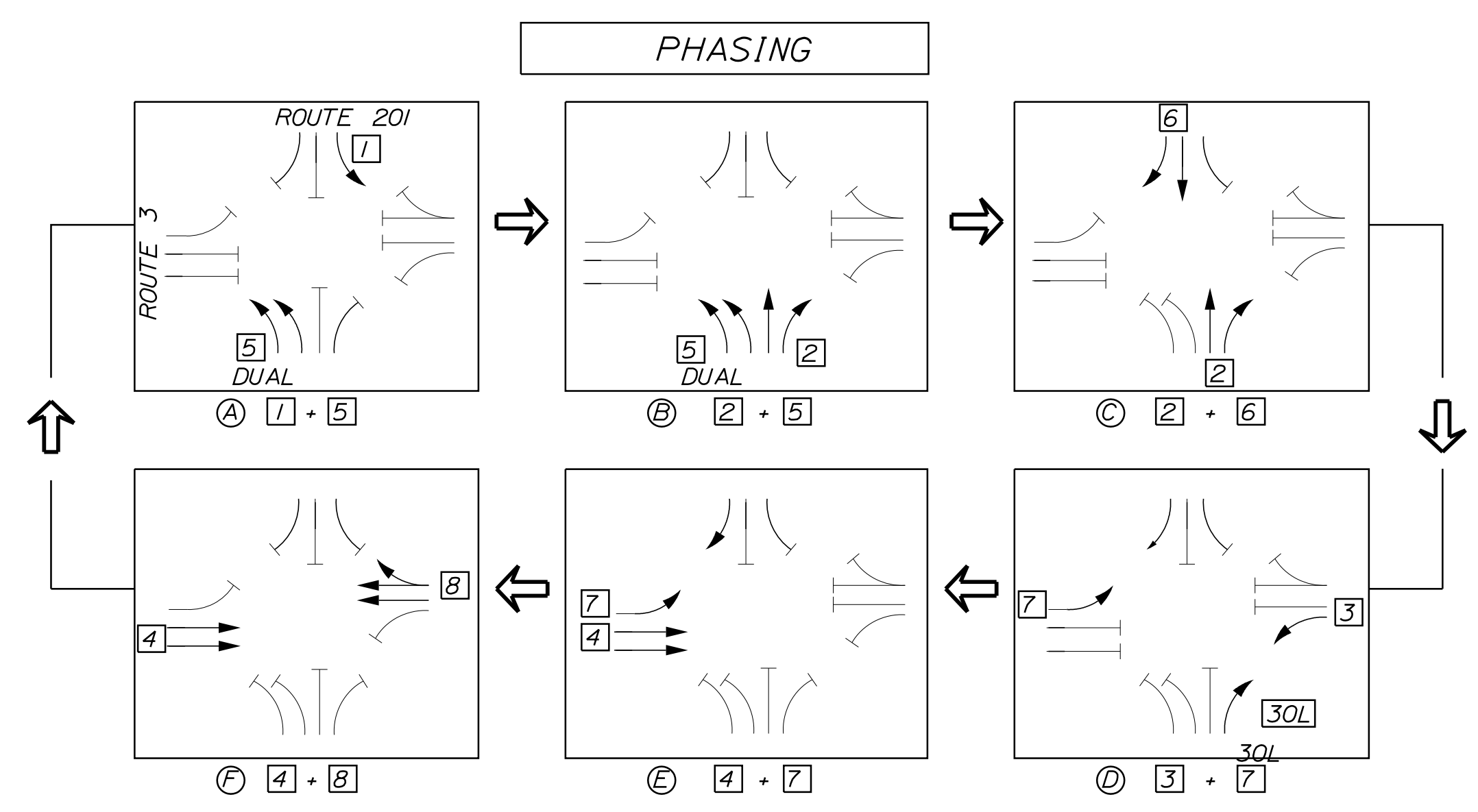
1. TRAFFIC SIGNAL WORK FOR THIS PROJECT WILL INCLUDE, BUT NOT BE LIMITED TO, MODIFICATION OF TRAFFIC SIGNAL TIMING, RELOCATION OF ONE MAST ARM POLE TO A NEW FOUNDATION; INSTALLATION OF ONE ADDITIONAL THREE-SECTION SIGNAL ASSEMBLY AND A LANE USE SIGN ON THE MAST ARM; INSTALLATION OF VIDEO DETECTION; RELOCATION OF EXISTING SIGNAL ASSEMBLIES AND SIGNAGE ON THE MAST ARM; INSTALLATION OF A JUNCTION BOX AND CONDUIT FROM THE EXISTING FOUNDATION TO THE NEW LOCATION; AND RELATED INCIDENTAL WORK AND MATERIALS.
2. ALL WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE LATEST REVISIONS OF THE STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE NATIONAL ELECTRICAL CODE, AND ANY REQUIREMENTS OF THE POWER COMPANY.
3. THE EXISTING CONTROL CABINET AND THE POWER DISCONNECT ENCLOSURE EACH SHALL BE MARKED WITH ARC HAZARD TYPE 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED. SEE SECTION 643.09.
4. THE NEW TRAFFIC SIGNAL ASSEMBLY SHALL BE POLYCARBONATE.
5. LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND TRAFFIC SIGNAL CONDUIT SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE OF UNDERGROUND UTILITY FACILITIES AND TRAFFIC SIGNAL CONDUIT PRIOR TO COMMENCING ANY EXCAVATION WORK OR INSTALLATION OF FOUNDATIONS, JUNCTION BOXES, OR OTHER WORK INVOLVING SUBSURFACE DISTURBANCE AND SHALL NOTIFY UTILITIES OF PROPOSED WORK IN ACCORDANCE WITH MRSA TITLE 23 SECTION 3360-A, MAINE "DIG SAFE" SYSTEM. CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST THREE WORKING DAYS PRIOR TO THE BEGINNING OF EXCAVATION. ALL UTILITIES SHALL BE LOCATED BEFORE BEGINNING EXCAVATION.
6. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALLY COULD CONFLICT WITH AERIAL UTILITIES.
7. NEW CONDUIT NOT UNDER PAVEMENT OR SIDEWALK SHALL BE 3 INCH MINIMUM, PVC SCHEDULE 40. NEW CONDUIT UNDER PAVEMENT SHALL BE 3 INCH MINIMUM SCHEDULE 80 PVC OR RIGID METAL CONDUIT UNLESS OTHERWISE NOTED. MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 36". TOP 3 INCHES OF CONDUIT SHALL BE SEALED TO PREVENT ENTRY BY RODENTS.
8. THERE SHALL BE NO SPLICES OR JUNCTION BOXES EXCEPT AS NOTED ON THE PROJECT PLANS OR APPROVED BY THE RESIDENT.
9. JUNCTION BOX COVERS SHALL BE LABELED "TRAFFIC".
10. EXCAVATION AND RELATED WORK NECESSARY FOR EXPOSING AND REROUTING EXISTING CONDUIT WILL BE PAID INCIDENTAL TO ITEM 643.71.
11. STATED OFFSETS FOR FOUNDATION LOCATIONS ARE MEASURED TO THE CENTER OF THE FOUNDATIONS.
12. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.
13. AT THE TIME OF FINAL PROJECT INSPECTION, THE CONTRACTOR SHALL FURNISH TO THE RESIDENT THREE COMPLETE SETS OF AS-BUILT TRAFFIC SIGNAL MODIFICATION PLANS. ONE ADDITIONAL SET SHALL REMAIN IN THE CONTROLLER CABINET.
14. THE MAINTENANCE OF TRAFFIC SIGNALS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINEDOT.
15. PAYMENT UNDER ITEM 643.71 SHALL INCLUDE, BUT NOT BE LIMITED TO: TRAFFIC SIGNAL CONTROLLER TIMING MODIFICATIONS; FURNISHING AND INSTALLING ONE ADDITIONAL THREE-SECTION SIGNAL ASSEMBLY AND A LANE USE SIGN ON THE MAST ARM; RELOCATION OF EXISTING LANE USE SIGNAGE AND SIGNAL ASSEMBLIES ON THE MAST ARM AS INDICATED ON THE PLANS; AND FURNISHING AND INSTALLING WIRING, COMMUNICATIONS CABLE, AND ALL APPURTENANCES AND INCIDENTALS NECESSARY FOR A COMPLETELY FUNCTIONING TRAFFIC SIGNAL INSTALLATION, OTHER THAN RELATED LABOR, MATERIALS AND EQUIPMENT INCLUDED IN OTHER PAY ITEMS OF THE CONTRACT. PAYMENT FOR REMOVING AND REINSTALLING A MAST ARM POLE ON NEW FOUNDATION, NEW CONDUIT, FOUNDATIONS, JUNCTION BOXES, AND VIDEO DETECTION WILL BE MADE UNDER THEIR RESPECTIVE PAY ITEMS OF THE CONTRACT.



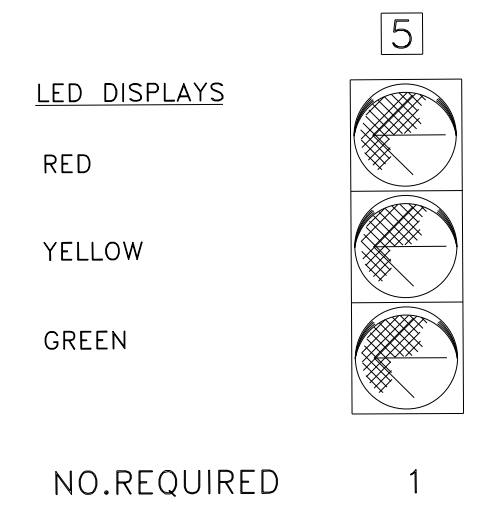
* ANCHOR BOLTS SHALL BE 1.75" DIAMETER 84" X 6" ASTM F1554 GRADE 55 STEEL, 55 KSI MINIMUM YIELD STRENGTH, WITH 8" THREADED LENGTH. BOLT CIRCLE DIAMETER SHALL BE 19.50".

MAST ARM SIGNAL ASSEMBLY
ROUTE 201 NORTHBOUND
RELOCATED POLE W/ 50' MAST ARM
FROM STA. 198+91, 63.8' RT.
TO STA. 199+00, 64.0' RT.

PAYMENT FOR REMOVING AND REINSTALLING
MAST ARM POLE WILL BE MADE UNDER
ITEM 643.911.



SIGNAL HEAD DETAIL



1. ALL NEW SIGNAL FACE DISPLAYS SHALL BE 12" LED.
2. ALL NEW SIGNAL FACE DISPLAYS SHALL HAVE TUNNEL VISORS.
3. ALL NEW SIGNAL DISPLAYS SHALL HAVE BACKPLATES WITH 2" MINIMUM WIDTH YELLOW RETROREFLECTIVE TAPE AROUND DISPLAY FACE.

PHASE	1	2	3	4	5	6	7	8
MIN. INITIAL	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
VEH. EXT.	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAX. GREEN	12	54	10	48	38	27	27	32
YELLOW	3.5	3.5	3.5	4.5	3.5	3.5	3.5	3.5
ALL RED	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0
FLASH	R	R	R	Y	R	R	R	Y
RECALL	-	-	-	SOFT	-	-	-	SOFT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN 022938.00
HIGHWAY PLANS

PROJ. MANAGER: REBECCA CORNEAU II
 CHECKED: [] ALG
 DESIGNED: [] ALG
 DESIGNED: [] ALG
 REVISIONS: 1
 REVISIONS: 2
 REVISIONS: 3
 REVISIONS: 4
 FIELD CHANGES

DATE: 6-18
 BY: JLE
 SIGNATURE: []
 P.E. NUMBER: 4226
 DATE: []

AUGUSTA
ROUTE 201 / ROUTE 3
SIGNAL DETAILS

SHEET NUMBER
5
OF 18

SSWL = SINGLE SOLID WHITE LINE
 DWL = DASHED WHITE LINE (10' W/ 30' GAP)
 SSYL = SINGLE SOLID YELLOW LINE
 CTWLTL = CONTINUOUS TWO WAY LEFT TURN LANE

ITEM 604.16 ALTER CB TO MH	
LOCATION	
STA. 192+68.5, 32.3' RT.	

ITEM 604.18 ADJUST CB TO GRADE	
LOCATION	
STA. 192+68.3, 21.1' RT.	

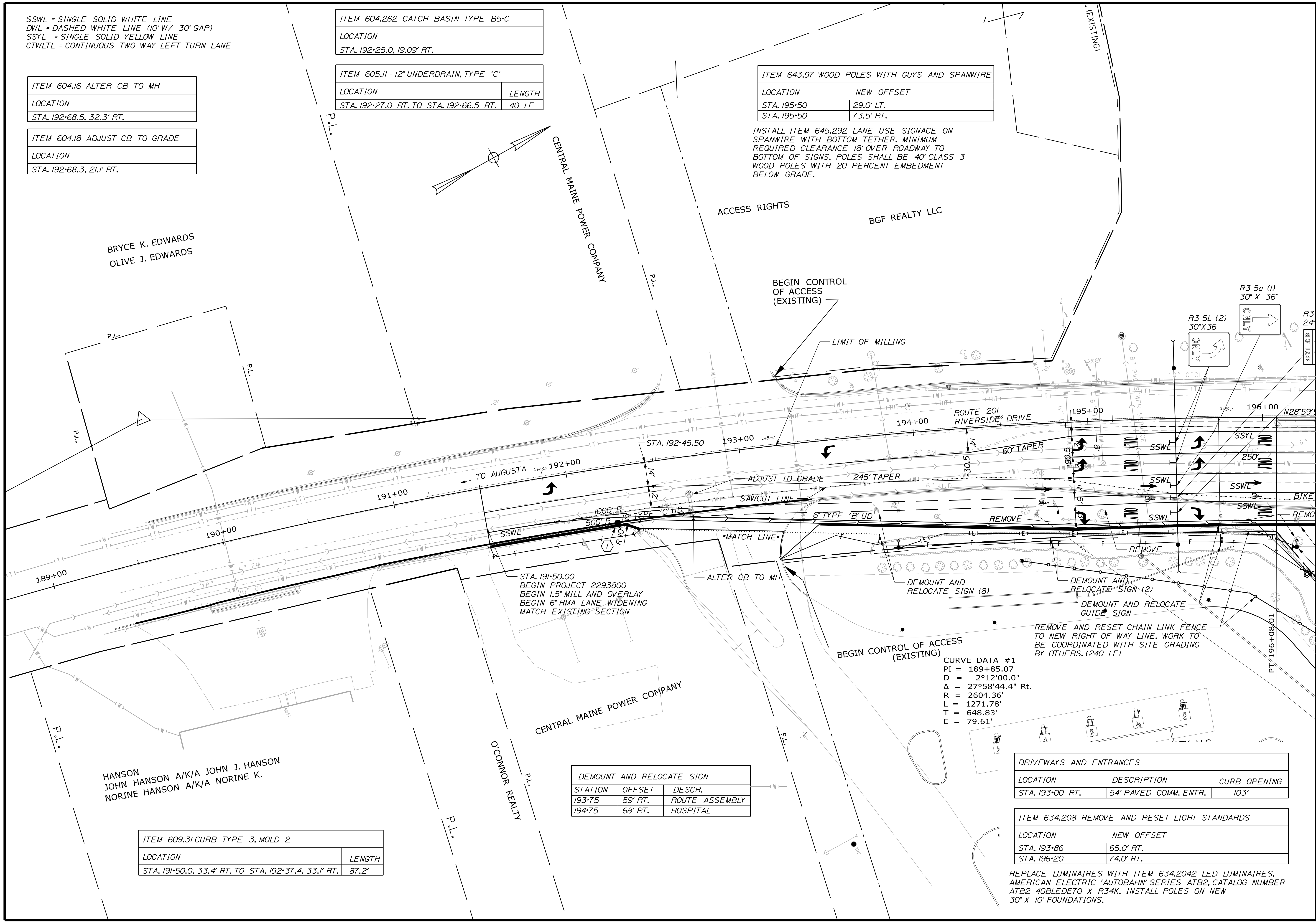
ITEM 604.262 CATCH BASIN TYPE B5-C	
LOCATION	
STA. 192+25.0, 19.09' RT.	

ITEM 605.11 - 12" UNDERDRAIN, TYPE 'C'	
LOCATION	LENGTH
STA. 192+27.0 RT. TO STA. 192+66.5 RT.	40 LF

ITEM 643.97 WOOD POLES WITH GUYS AND SPANWIRE	
LOCATION	NEW OFFSET
STA. 195+50	29.0' LT.
STA. 195+50	73.5' RT.

INSTALL ITEM 645.292 LANE USE SIGNAGE ON SPANWIRE WITH BOTTOM TETHER. MINIMUM REQUIRED CLEARANCE 18' OVER ROADWAY TO BOTTOM OF SIGNS. POLES SHALL BE 40' CLASS 3 WOOD POLES WITH 20 PERCENT EMBEDMENT BELOW GRADE.

Date: 10/4/2018
 Username: common
 Division: HIGHWAY
 Filename: ... \006_HDPlan_01.dgn



BRYCE K. EDWARDS
 OLIVE J. EDWARDS

HANSON
 JOHN HANSON A/K/A JOHN J. HANSON
 NORINE HANSON A/K/A NORINE K.

STA. 191+50.00
 BEGIN PROJECT 2293800
 BEGIN 1.5" MILL AND OVERLAY
 BEGIN 6" HMA LANE WIDENING
 MATCH EXISTING SECTION

CURVE DATA #1
 PI = 189+85.07
 D = 2°12'00.0"
 Δ = 27°58'44.4" Rt.
 R = 2604.36'
 L = 1271.78'
 T = 648.83'
 E = 79.61'

DEMOUNT AND RELOCATE SIGN		
STATION	OFFSET	DESCR.
193+75	59' RT.	ROUTE ASSEMBLY
194+75	68' RT.	HOSPITAL

DRIVEWAYS AND ENTRANCES		
LOCATION	DESCRIPTION	CURB OPENING
STA. 193+00 RT.	54' PAVED COMM. ENTR.	103'

ITEM 634.208 REMOVE AND RESET LIGHT STANDARDS	
LOCATION	NEW OFFSET
STA. 193+86	65.0' RT.
STA. 196+20	74.0' RT.

REPLACE LUMINAIRES WITH ITEM 634.2042 LED LUMINAIRES, AMERICAN ELECTRIC 'AUTOBAHN' SERIES ATB2, CATALOG NUMBER ATB2 40BLEDE70 X R34K. INSTALL POLES ON NEW 30' X 10' FOUNDATIONS.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2293800
 WIN 022938.00
 HIGHWAY PLANS

DATE	BY	DESCRIPTION
6-18	JLE	DESIGN-DETAILED
6-18	ALG	CHECKED-REVIEWED
7-960		DESIGN-DETAILED
		DESIGN-DETAILED
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

DATE	BY	DESCRIPTION
6-18	JLE	DESIGN-DETAILED
6-18	ALG	CHECKED-REVIEWED
7-960		DESIGN-DETAILED
		DESIGN-DETAILED
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

AUGUSTA
 ROUTE 201 / ROUTE 3
 PLANS

SHEET NUMBER
 6
 OF 18

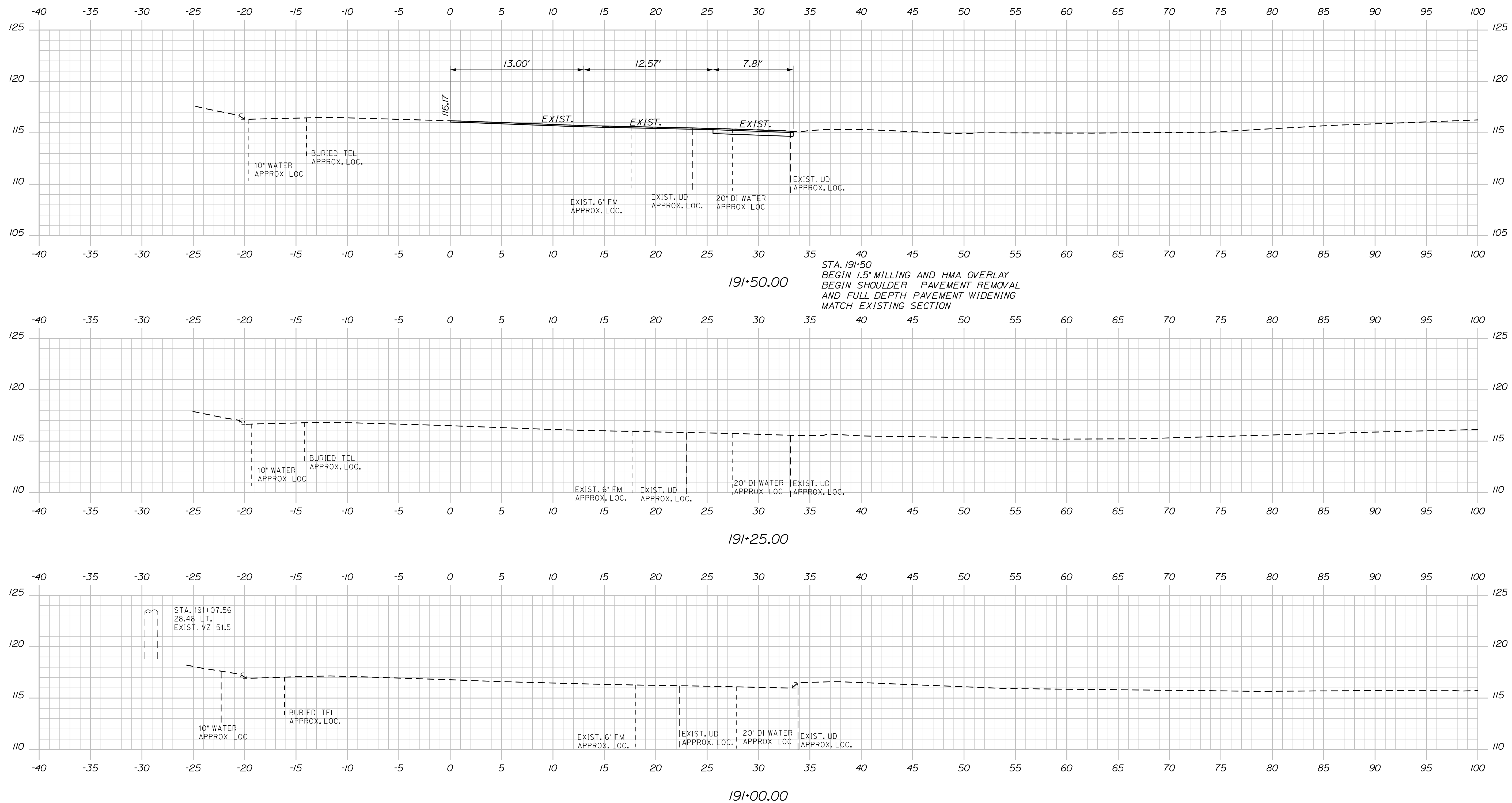
Date: 10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \008_XSECT_191+00_001.dgn

STA. 191+50 TO STA. 192+50
TRANSITION PAVEMENT SLOPES
FROM EXISTING TO -2.5%



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN 022938.00
HIGHWAY PLANS

PROJ. MANAGER/RELE. GORNEAU, II
DESIGN-DETAILED ALG
CHECKED-REVIEWED ALG
DESIGN-DETAILED JLE
DESIGN-DETAILED JLE
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE	6-18	SIGNATURE	7960
BY	JLE	P.E. NUMBER	XXX
		DATE	

AUGUSTA
ROUTE 201
CROSS SECTIONS

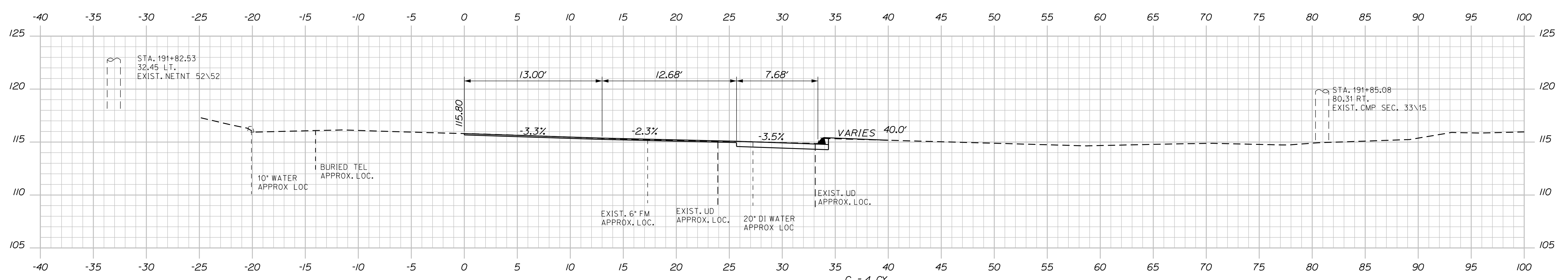
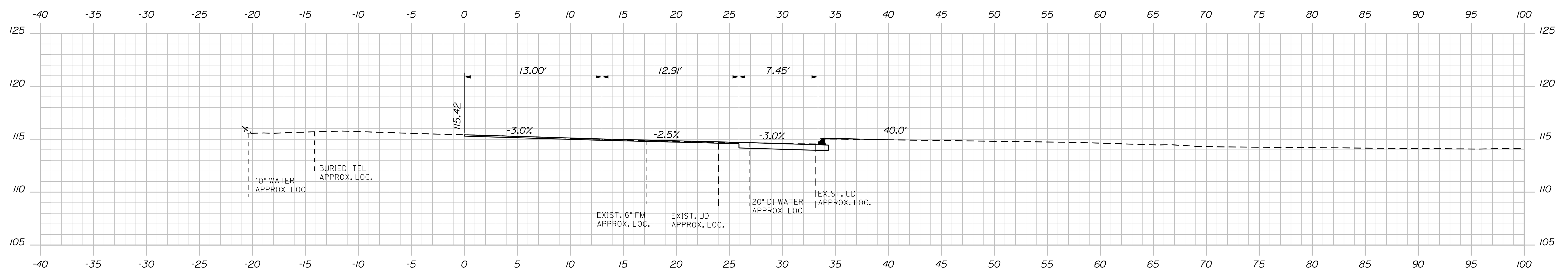
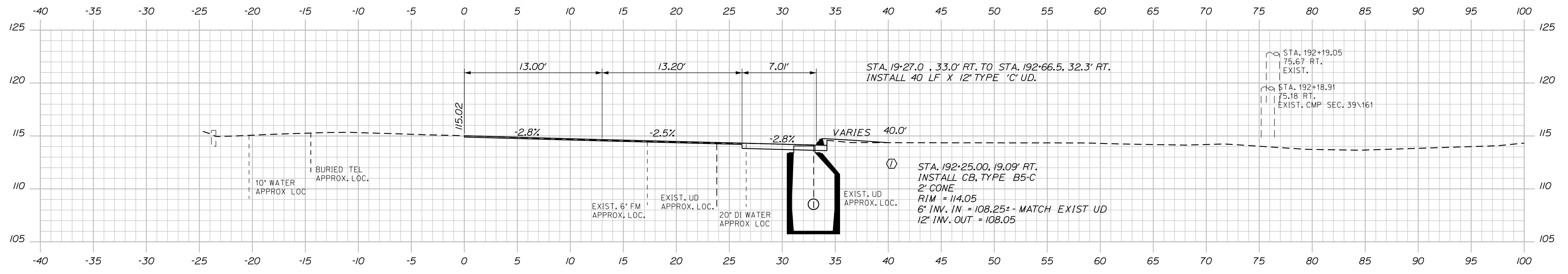
SHEET NUMBER
8
OF 18

Date: 10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \009_XSECT_191+75_002.dgn



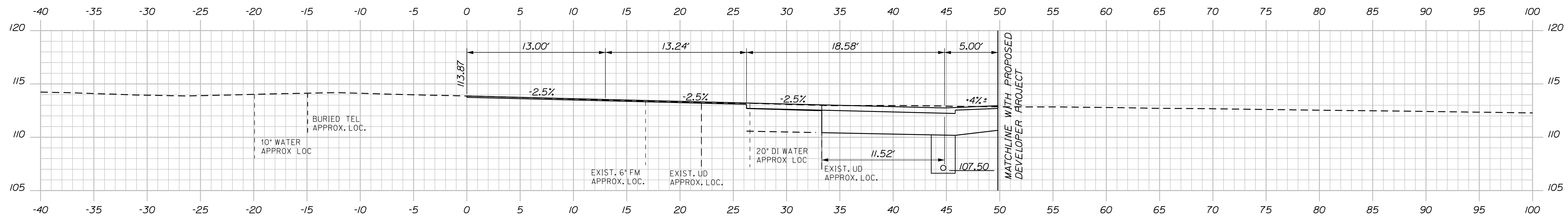
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2293800		WIN		022938.00		HIGHWAY PLANS	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1		REVISIONS 2	
DATE	6-18	BY	JLE	ALG	JLE	ALG	JLE	ALG	JLE	ALG	JLE
DATE	6-18	BY	JLE	ALG	JLE	ALG	JLE	ALG	JLE	ALG	JLE
SIGNATURE		P.E. NUMBER		DATE		DATE		DATE		DATE	
7960		XXXX		XXXX		XXXX		XXXX		XXXX	
AUGUSTA ROUTE 201						CROSS SECTIONS					
9						OF 18					

Date: 10/4/2018

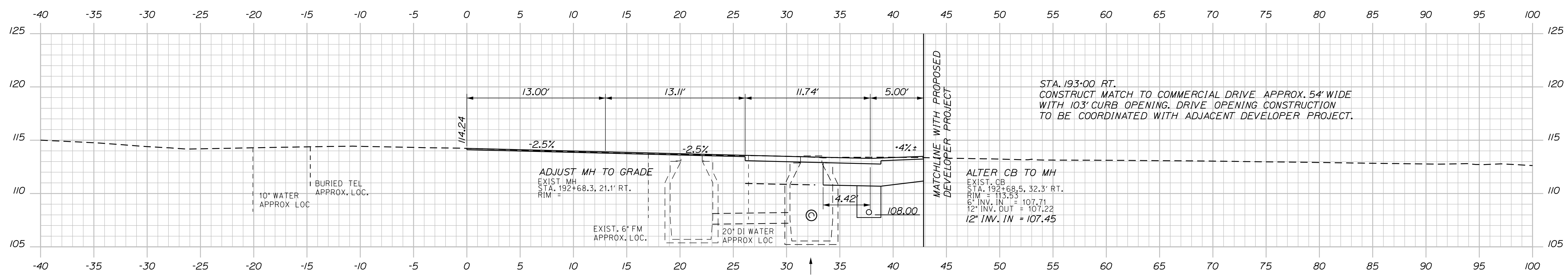
Username: common

Division: HIGHWAY

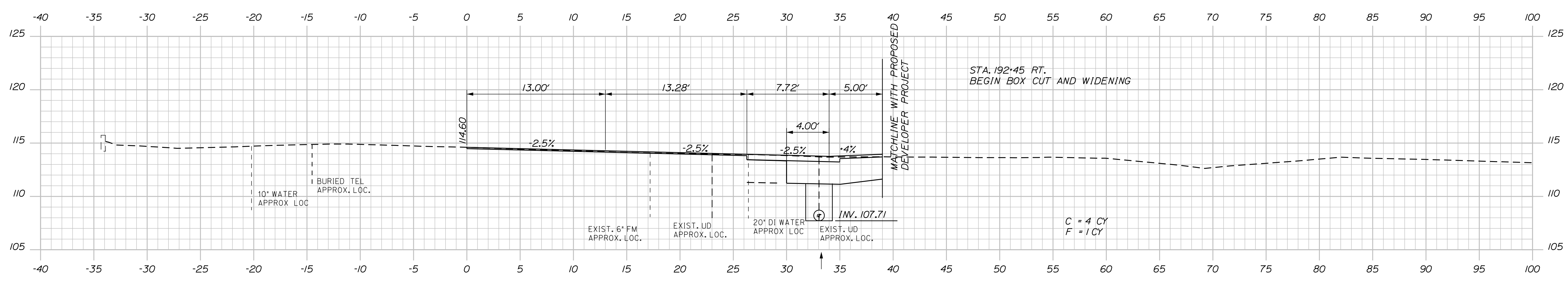
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193+00.00 STA. 192+75, 37.7' RT. TO STA. 195+00, 60.9' RT. C = 34 CY
 INSTALL 316 LF X 6" TYPE 'B' UD F = 0 CY



192+75.00 STA. 193+00 RT. CONSTRUCT MATCH TO COMMERCIAL DRIVE APPROX. 54' WIDE WITH 103' CURB OPENING. DRIVE OPENING CONSTRUCTION TO BE COORDINATED WITH ADJACENT DEVELOPER PROJECT.
 ALTER CB TO MH EXIST. CB STA. 192+68.5, 32.3' RT. RIM = 113.53
 6" INV. IN = 107.71 12" INV. OUT = 107.22 12" INV. IN = 107.45
 C = 24 CY F = 0 CY



192+50.00 STA. 192+45 RT. BEGIN BOX CUT AND WIDENING
 C = 4 CY F = 1 CY

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 2293800
 WIN 022938.00
 HIGHWAY PLANS

PROJ. MANAGER/RELE. CORNEAU II
 CHECKED-REVIEWED ALG
 DESIGNED-DETAILED JLE
 REVISIONS 1
 REVISIONS 2
 REVISIONS 3
 REVISIONS 4
 FIELD CHANGES

DATE	BY	SIGNATURE	P.E. NUMBER	DATE
6-18	JLE		7960	
6-18			XXXX	

AUGUSTA
 ROUTE 201
 CROSS SECTIONS

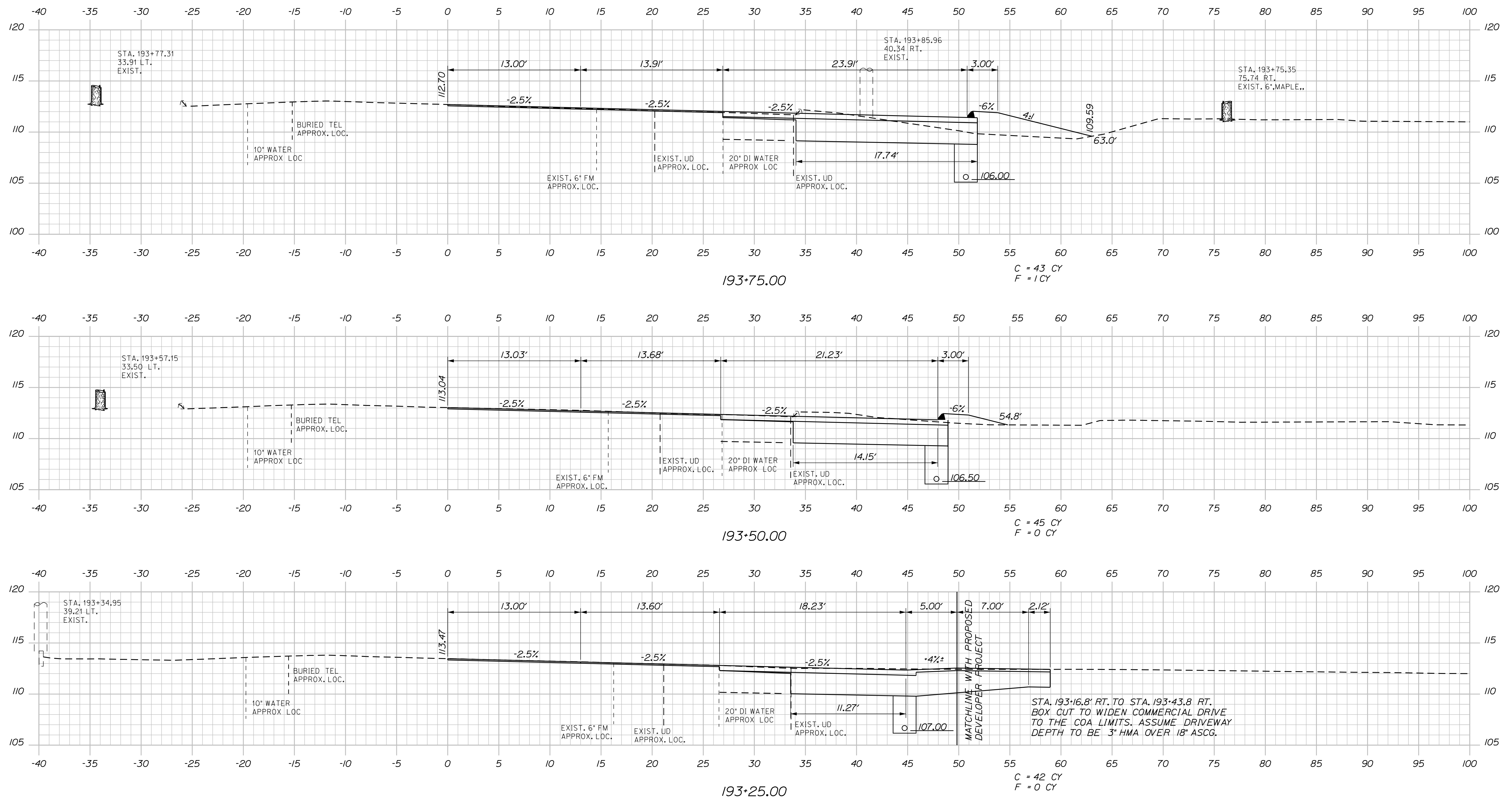
SHEET NUMBER
 10
 OF 18

Date: 10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \011_XSECT_193+25_004.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN 022938.00
HIGHWAY PLANS

PROJ. MANAGER/RELE. GORNEAU, II	DATE	SIGNATURE
DESIGN-DETAILED ALG	6-18	7960
CHECKED-REVIEWED ALG	6-18	P.E. NUMBER
DESIGN-DETAILED JLE		XXX
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DATE
6-18
6-18
SIGNATURE
7960
P.E. NUMBER
XXX
DATE

AUGUSTA
ROUTE 201
CROSS SECTIONS

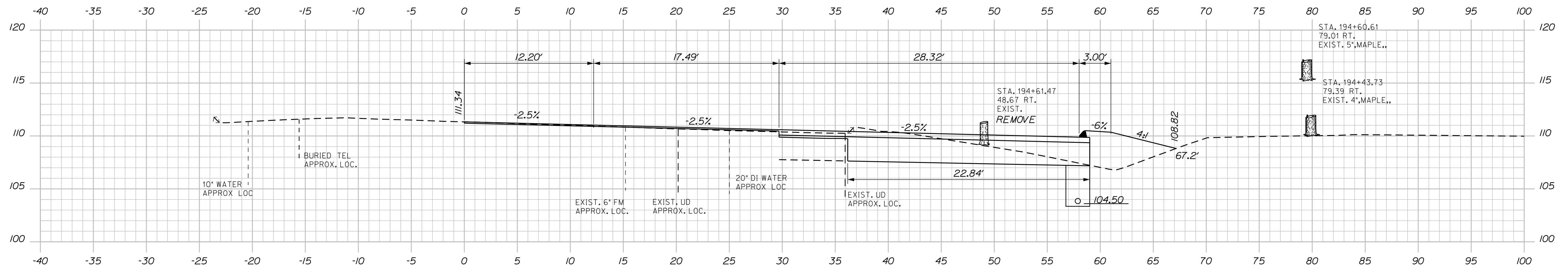
SHEET NUMBER
11
OF 18

Date: 10/4/2018

Username: common

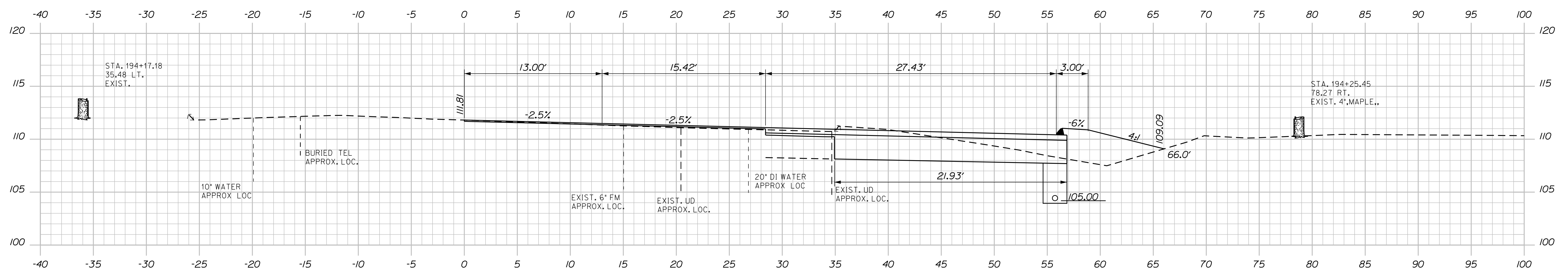
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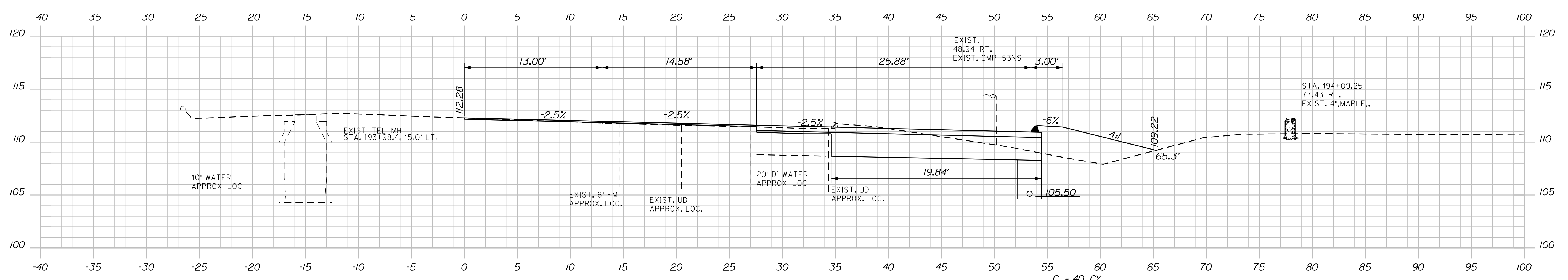
194+50.00

C = 43 CY
F = 18 CY
G = 0 CY



194+25.00

C = 42 CY
F = 19 CY



194+00.00

C = 40 CY
F = 18 CY

DESIGNED	DATE	SIGNATURE
CHECKED	6-18	7960
DESIGNED	6-18	7960
DESIGNED		
REVISIONS 1		XXX
REVISIONS 2		XXX
REVISIONS 3		XXX
REVISIONS 4		XXX
FIELD CHANGES		

PROJ. MANAGER	DATE
DESIGNED	6-18
CHECKED	6-18
DESIGNED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

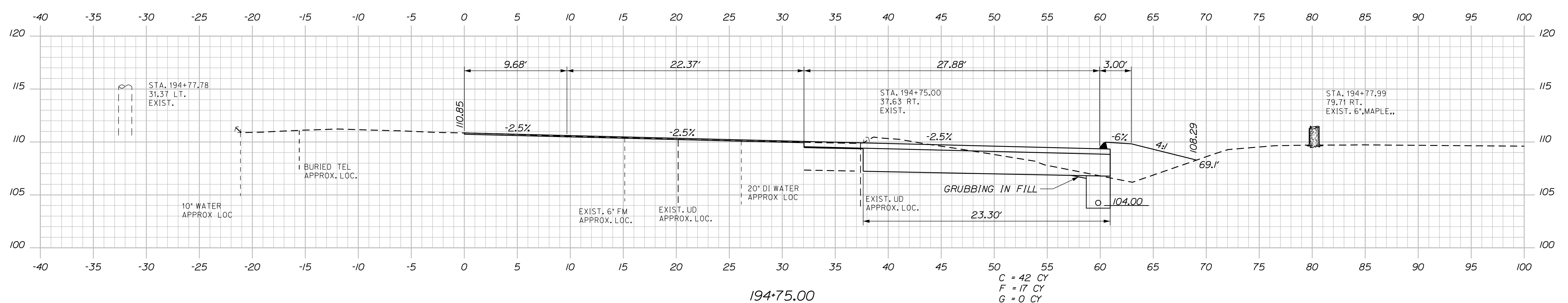
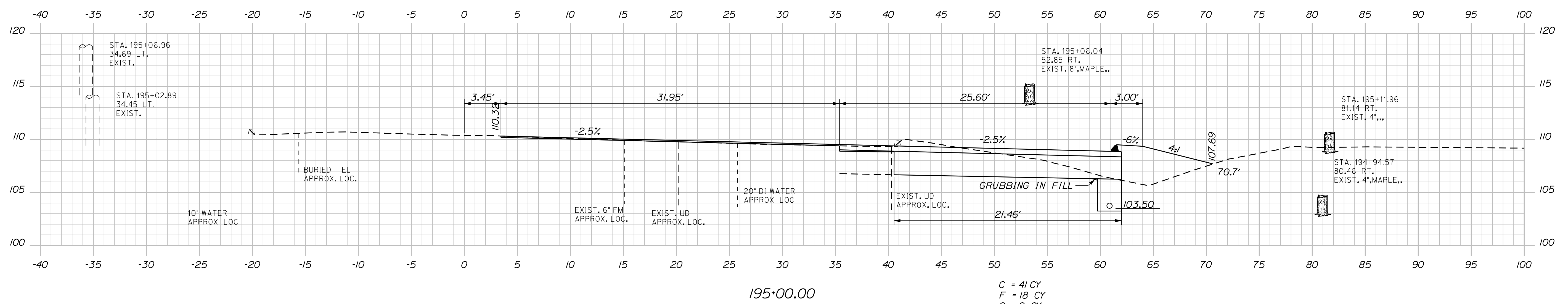
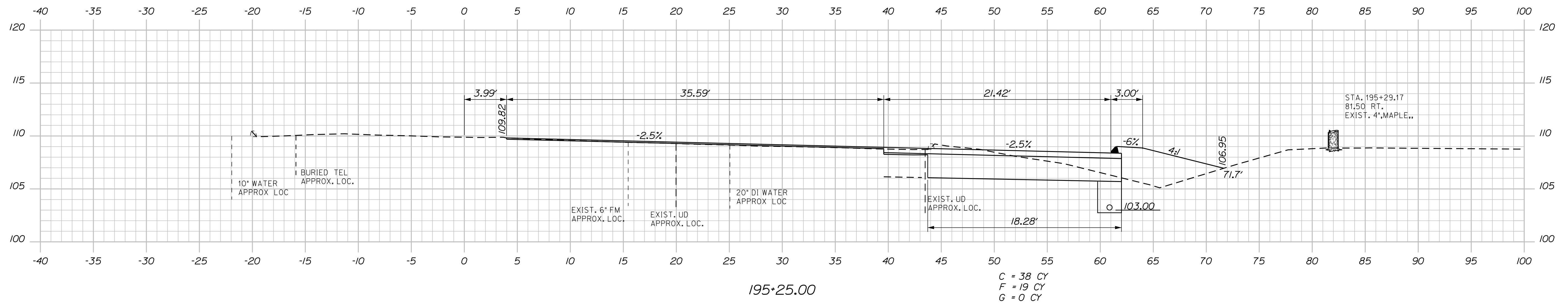
AUGUSTA
ROUTE 201
CROSS SECTIONS

Date: 10/4/2018

Username: common

Division: HIGHWAY

Filename: ... \013_XSECT_194+75_006.dgn



DESIGNED	DATE	SIGNATURE
CHECKED	6-18	7960
DESIGNED	6-18	P.E. NUMBER
DESIGNED		XXX
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	DATE
DESIGNED	6-18
CHECKED	6-18
DESIGNED	
DESIGNED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

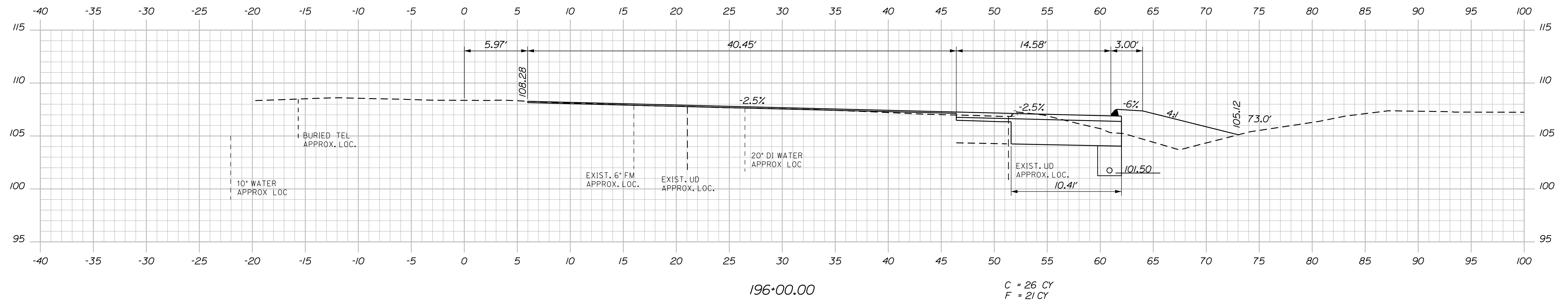
AUGUSTA
ROUTE 201
CROSS SECTIONS

Date: 10/4/2018

Username: common

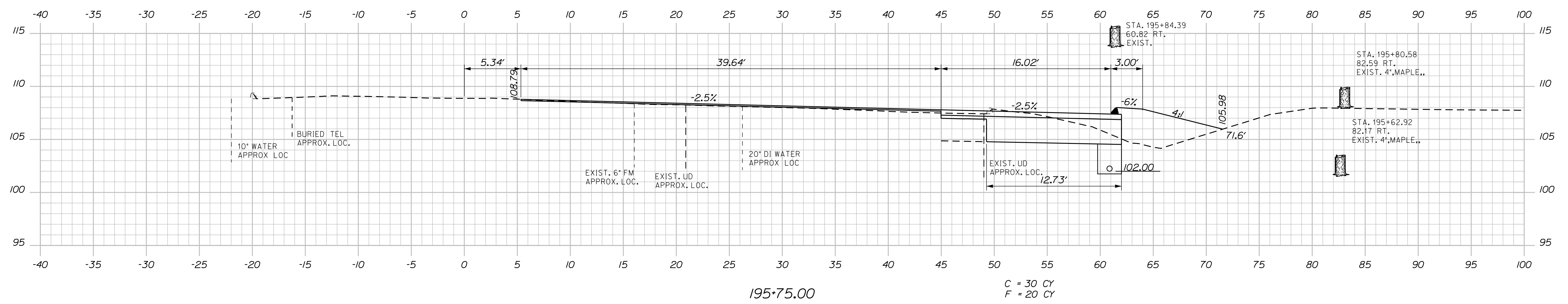
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Filename: ... \014_XSECT_195+50_007.dgn



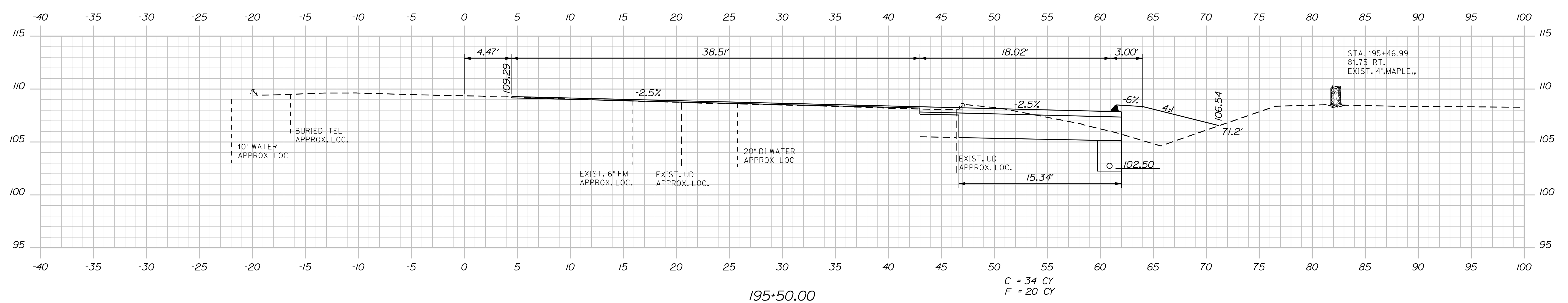
196+00.00

C = 26 CY
F = 21 CY



195+75.00

C = 30 CY
F = 20 CY



195+50.00

C = 34 CY
F = 20 CY

DESIGNED	DATE	SIGNATURE
CHECKED	6-18	7960
DESIGNED	6-18	P.E. NUMBER
DESIGNED		XXX
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	DATE
DESIGNED	6-18
CHECKED	6-18
DESIGNED	
DESIGNED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

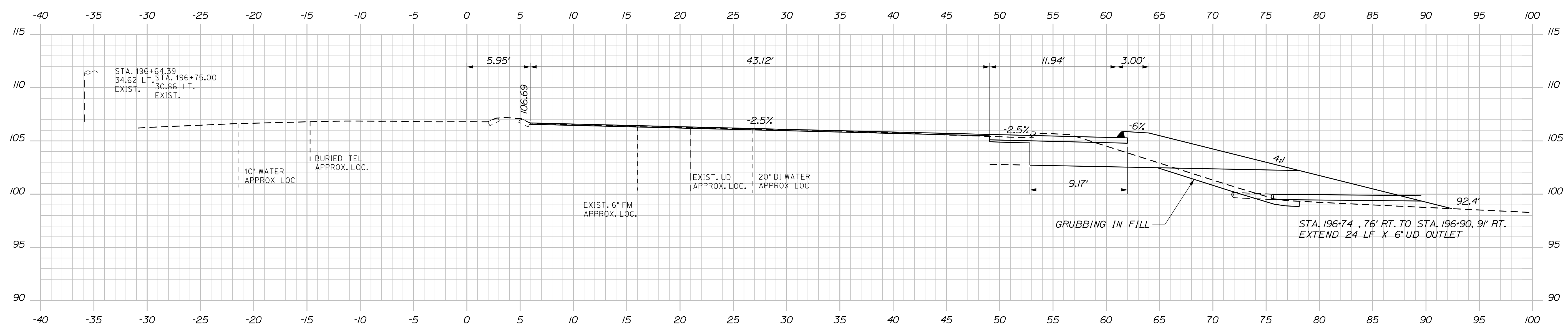
AUGUSTA
ROUTE 201
CROSS SECTIONS

Date: 10/4/2018

Username: common

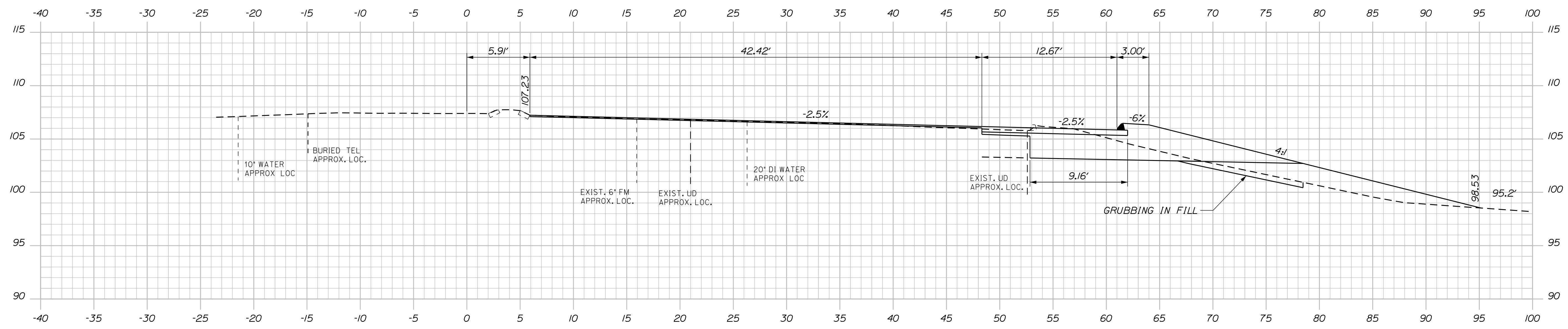
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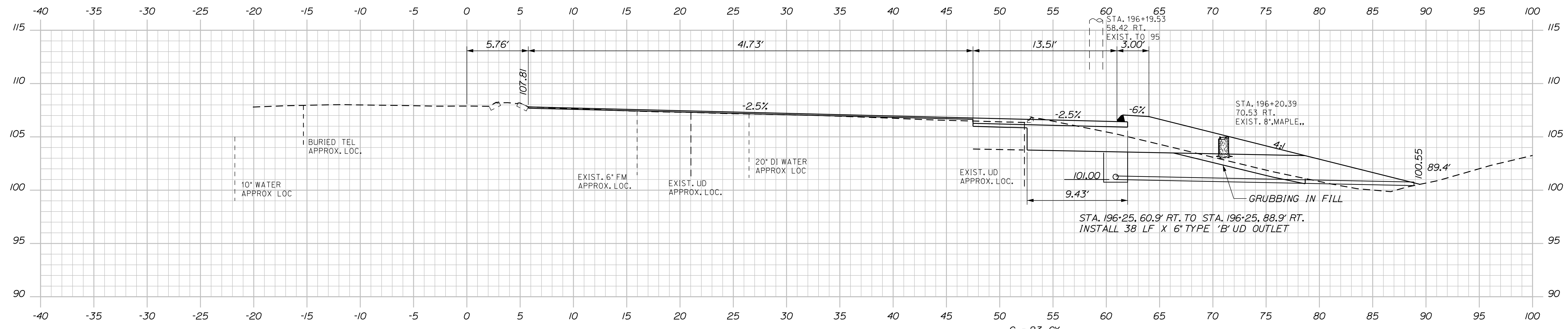
196+75.00

C = 27 CY
F = 31 CY
G = 5 CY



196+50.00

C = 28 CY
F = 26 CY
G = 5 CY



196+25.00

C = 23 CY
F = 36 CY
G = 3 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN
022938.00
HIGHWAY PLANS

DESIGN/DATE	ALG	6-18	SIGNATURE
CHECKED/REVIEWED	ALG	6-18	7960
DESIGN/DATE	JLE		P.E. NUMBER
DESIGN/DATE	JLE		XXX
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER/RELE	GORNEAU II
BY	JLE
DATE	6-18

AUGUSTA
ROUTE 201
CROSS SECTIONS

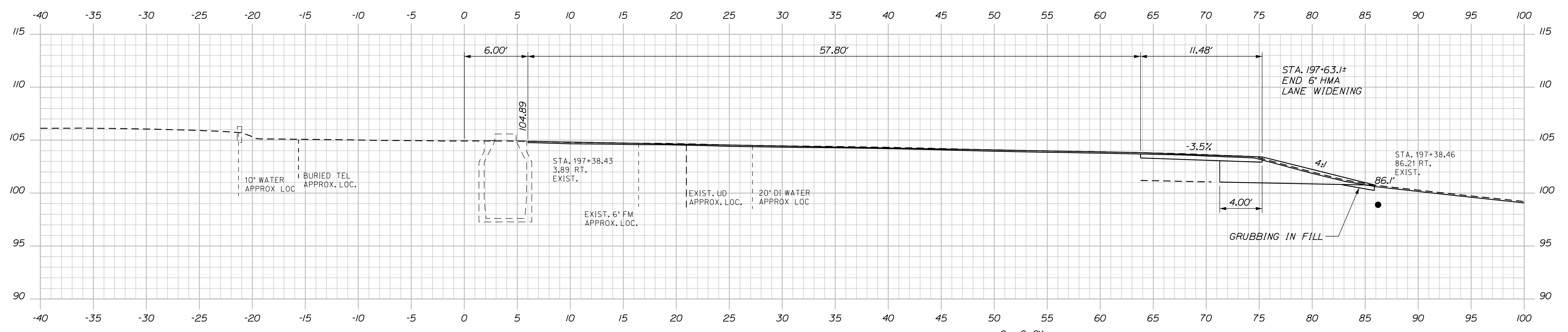
SHEET NUMBER
15
OF 18

Date: 10/4/2018

Username: common

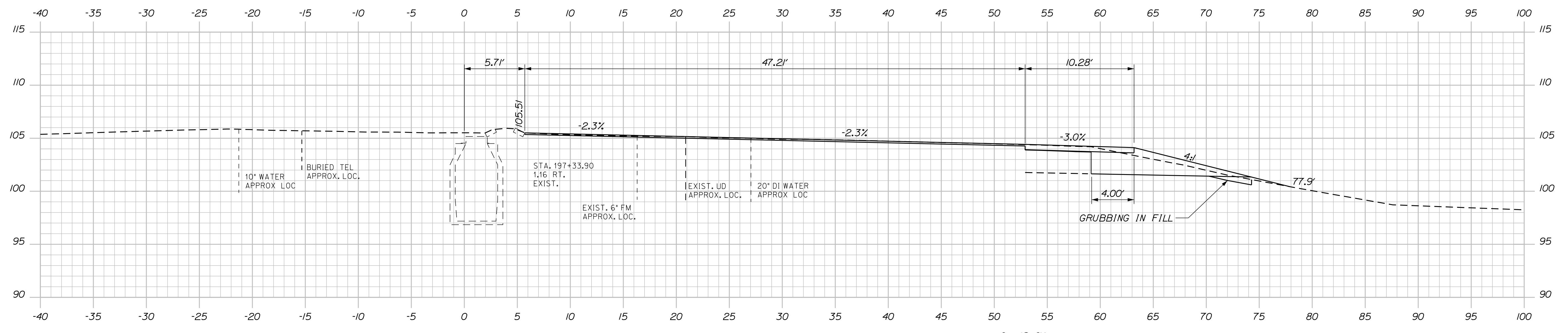
Division: HIGHWAY

Filename: ... \016_XSECT_197+00_009.dgn



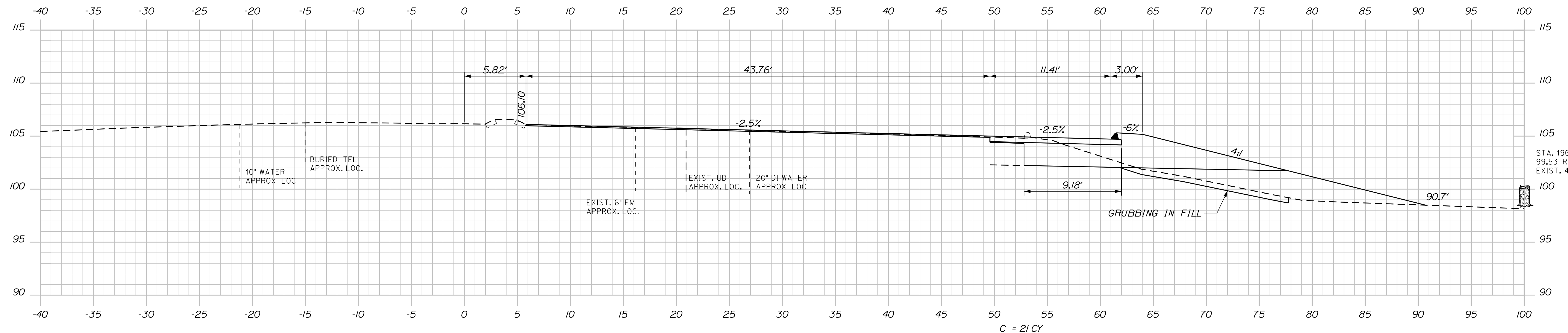
197+50.00

C = 2 CY
F = 0 CY
G = 1 CY



197+25.00

C = 18 CY
F = 22 CY
G = 4 CY



197+00.00

C = 21 CY
F = 35 CY
G = 6 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2293800
WIN
022938.00
HIGHWAY PLANS

DESIGN/DATE	ALG	6/18	SIGNATURE
CHECKED/REVIEWED	ALG	6/18	7960
DESIGN/DATE	JLE		P.E. NUMBER
REVISIONS 1			XXX
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER/RELE	GORNEAU II
DESIGN/DATE	ALG
CHECKED/REVIEWED	ALG
DESIGN/DATE	JLE
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

AUGUSTA
ROUTE 201
CROSS SECTIONS

SHEET NUMBER
16
OF 18

Sta. 197+00.00 to Sta. 197+50.00

Town, County, State _____
 Approx. Property Lines _____
 Existing Right of Way _____
 Limits of Wrought Portion _____
 Control Of Access _____
 New Right of Way _____
 New Easement _____
 New Temporary Rights _____
 New R/W Within Existing R/W _____

New R/W Along Existing R/W _____
 Building _____
 Trees Conifer _____
 Tree Line _____
 Water Edge _____
 Ledge _____
 Fence _____
 Sign _____

Clearing Limit Line _____
 Deciduous _____
 Bush Line _____
 Rock/Boulder _____
 Barb Wire _____
 Stockade _____
 Well _____
 Mailbox _____

Sanitary Sewer _____
 Telephone Line _____
 Electric Line _____
 Water Line _____
 Underdrain Line _____
 Gas Line _____
 Guardrail _____
 Culvert _____

Traveled Way _____
 Ditch _____
 Catch Basin _____
 Manhole _____
 Sewer Manhole _____
 Utility Pole _____
 Fire Hydrant _____
 Curbing _____

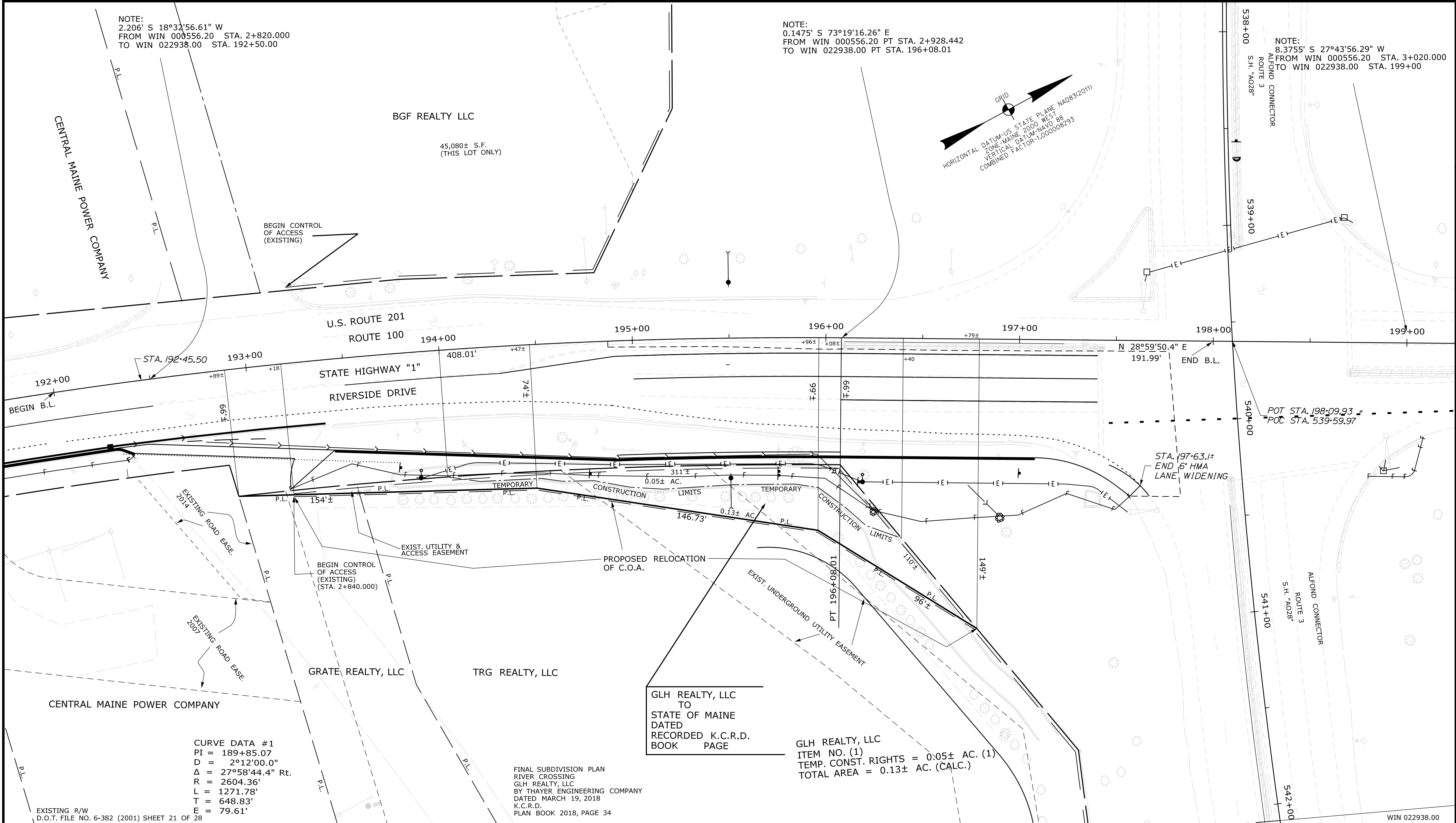
Cut Line _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found _____
 Replacement Pin Set _____

Fill Line _____
 Retaining Wall _____
 Traverse Point _____
 Pipe Found _____

STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY _____
 RECEIVED _____
 at _____ h _____ m _____ M and recorded in
 Plan Book _____, Page _____
 Attest: _____ REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S
 ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES.
 IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN
 ADJUTING PROPERTY OWNERS.

25 0 25 50 75 100
 Scale of Feet



ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	CONSULT	
FINAL RIGHT OF WAY	D.W.B.	D.W.B.
AREAS	D.W.B.	D.W.B.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
 AUGUSTA
 RIGHT OF WAY MAP

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE

DAVID BERNHARDT
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER

DATE _____

STATE HIGHWAY "1" & S.H. "A028"
 RIVERSIDE DRIVE & ALFOND CONNECTOR
 AUGUSTA KENNEBEC COUNTY
 FEDERAL AID PROJECT NO. 2293800

SEPTEMBER 2018
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 1 OF 1

D.O.T. FILE NO. 6-479

SHEET NUMBER
18
 OF 18

Date: 11/5/2018
 Username: Don.Burns
 Division: ROW
 Filename: ... \00\ROW\MSTA001_RWP\PLAN1.dgn