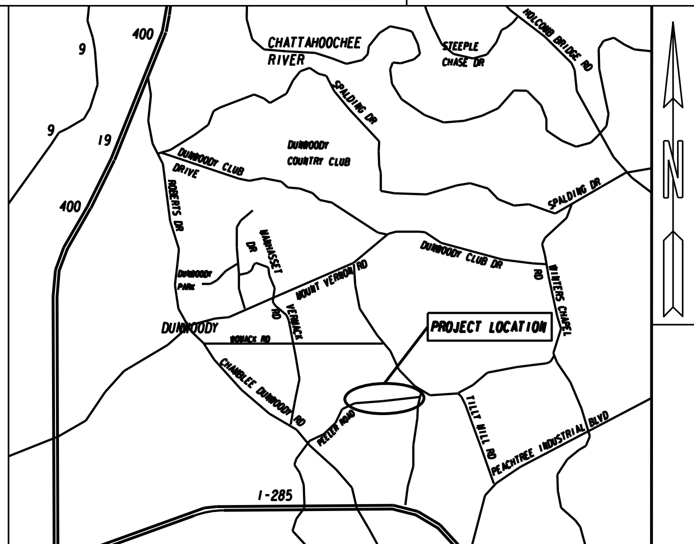
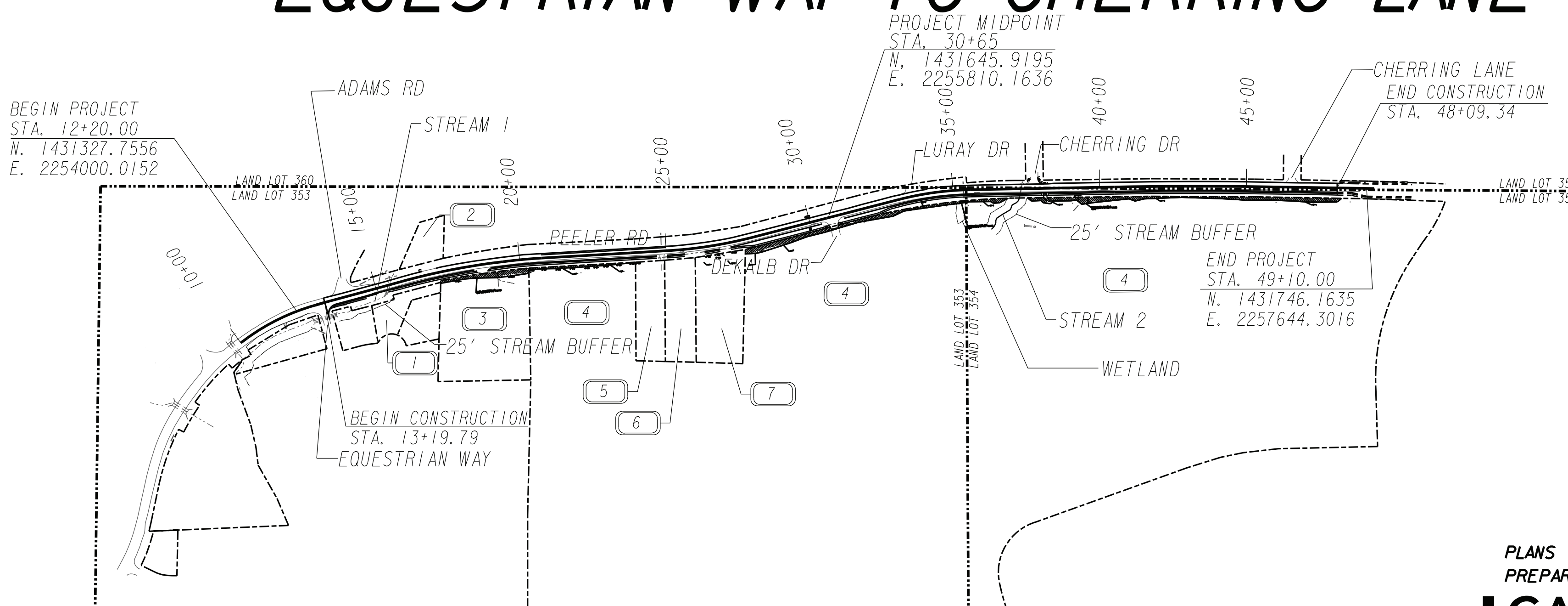
CITY OF DUNWOODY
DEPT. OF PUBLIC WORKS

FINAL CONSTRUCTION PLANS AND RIGHT OF WAY

PEELER ROAD SIDEWALKS FROM EQUESTRIAN WAY TO CHERRING LANE



LOCATION SKETCH



No. 036366
PROFESSIONAL ENGINEER
RICHARD E. STRICKLAND
1/28/2020

THESE PLANS HAVE BEEN MODIFIED FROM THOSE ORIGINALLY SIGNED AND SEALED BY DAVID JACKSON, P.E. ON 03-19-2019. THE PLANS HAVE BEEN MODIFIED TO REDESIGN DRAINAGE SYSTEMS 'B' AND 'D' TO ELIMINATE CONFLICTS WITH EXISTING UTILITIES. THE GRADING AT THE OUTFALL OF THE 'B' SYSTEM HAS ALSO BEEN MODIFIED.

PLANS PREPARED BY:

CALYX
ENGINEERS + CONSULTANTS
1255 CANTON STREET
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CALYXengineers.com
GA License No. PEF003715

UNDER SUPERVISION OF:

GEORGIA REGISTERED No. 035642 PROFESSIONAL ENGINEER DAVID A. JACKSON

PROJECT MANAGER: DAVID A. JACKSON, PE

THIS PROJECT IS 100% IN DEKALB COUNTY AND IS 100% IN CONG. DIST. NO. 6
LAND LOTS: 353, 354, 359, 360
LAND DISTRICT: 18

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED ROADWAYS AND DRIVEWAYS ALONG THE PROPOSED PROJECT ARE DESIGNED WITH ADEQUATE SIGHT DISTANCE.

ALEXANDER R. STONE, P.E.   DATE

ITEM	LF	MILES
SIDEWALK	3263	0.62
BIKE LANE(S)	3484	0.66
CURB & GUTTER	3262	0.62

PREPARED BY:
DESIGN

DATE   DIRECTOR OF PUBLIC WORKS

PLANS COMPLETED 03-19-2019	
REVISIONS	
1/28/2020	

City of Dunwoody Georgia

SCALE IN FEET
0 300 600 1200

DRAWING No.
01-0001

DRAWING NO.	DESCRIPTION
01-0001	COVER
02-0001	INDEX
03-0001	REVISION SUMMARY
04-0001 TO 04-0003	GENERAL NOTES
05-0001 TO 05-0002	TYPICAL SECTIONS
06-0001	SUMMARY OF QUANTITIES
09-0001	DETAILED ESTIMATE
13-0001 TO 13-0007	CONSTRUCTION PLANS
15-0001 TO 15-0004	MAINLINE PROFILE
17-0001 TO 17-0002	DRIVEWAY PROFILE
21-0001	DRAINAGE AREA MAP
22-0001 TO 22-0004	DRAINAGE PROFILES
23-0001 TO 23-0046	CROSS SECTIONS
24-0000	UTILITY LEGEND
24-0001 TO 24-0007	UTILITY PLAN DRAWINGS
26-0001 TO 26-0007	SIGNING AND MARKING PLANS
27-0001 TO 27-0002	SIGNAL PLANS
31-0001 TO 31-0004	RETAINING WALL ENVELOPES
38-0001	DRIVEWAY APRON DETAIL
50-0001	EROSION COVER SHEET
51-0001 TO 51-0004	EROSION CONTROL GENERAL NOTES
52-0001 TO 52-0007	EROSION CONTROL LEGEND / CODE SHEETS
54-0001 TO 54-0014	EROSION CONTROL BMP LOCATION DETAILS
55-0001	EROSION CONTROL WATERSHED MAP
	EROSION CONTROL DETAILS
56-0001	TEMPORARY SILT FENCE (SHEET 1 OF 4) (1/2011)
56-0002	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) (1/2011)
56-0003	PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MAT) INSTALLATION ON DITCHES (1/2011)
56-0004	STONE FILTER RING (7/2018)
56-0005	SOD INSTALLATION (4/2016)
56-0006	RIPRAP OUTLET PROTECTION (SHEET 1 OF 2) (4/2016)
56-0007	RIPRAP OUTLET PROTECTION (SHEET 2 OF 2) (4/2016)
60-0001 TO 60-0013	RIGHT OF WAY PLANS AND TABLES

THE GDOT STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH THE LATEST KNOWN REVISION DATE BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ON THE PROJECT SITE THE GDOT STANDARD DRAWINGS AND THE CONSTRUCTION DETAIL DRAWINGS ON THE INDEX SHEET. FULL SIZED SHEETS MAY BE PURCHASED BY THE CONTRACTOR AT HIS EXPENSE FROM GDOT.

DRAWING NO.	DESCRIPTION
	GA DETAILS
1030D1	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3 (2/2016)
1030D2	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3 (2/2016)
1030D3	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3 (2/2016)
1030P	THERMOPLASTIC PIPE (10/2016)
1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER) (8/1982)
1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER) (9/1982)
1034D	CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER IN SAGS OR LOW POINTS) (8/1982)
1034DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER IN SAGS OR LOW POINTS) (9/1982)
1120	FLARED END SECTIONS FOR PIPES (6/2006)
1401	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS
	EXISTING PAVEMENT) (8/1999)
9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY MARKERS; COUNTY LINE MARKER (4/2006)
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG (12/2016)
9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE APRON (4/1996)
9031U	JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLARS, PIPE ELBOW, AND PUPE CURVED ALIGNMENT (7/1985)
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS (11/2011)
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS (3/2006)
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY (3/2006)
	GA STANDARDS
A-1	DRIVEWAYS WITH TAPERD ENTRANCES CONCRETE VALLEY GUTTERS (7/2011)
A-2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION (7/2011)
A-3	SPECIAL DETAIL-CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS (9/2016)
A-4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING, AND ALIGNMENT REQUIREMENTS (6/2009)
T-01	SIGN PLATES (1/2000)
T-02	DETAILS FOR TYPICAL FRAMING (3/2000)
T-03A	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL (7/2002)
T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY (9/2016)
T-12A	DETAILS OF PAVEMENT MARKING ARROW LOCATION (1/2000)
T-12B	DETAILS OF PAVEMENT MARKINGS-ARROWS (4/2000)
T-13A	DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2) (3/2017)
T-14	DETAILS OF PAVEMENT MARKING HATCHING (11/2008)
T-15A	DETAILS OF RAISED PAVEMENT MARKERR LOCATION NON-LIMITED ACCESS ROADWAY (9/2016)
T-15C	DETAILS OF RAISED PAVEMENT MARKERS (9/2011)
T-16	DETAILS OF BICYCLE LANE PAVEMENT MARKINGS (3/2016)

CALYX
ENGINEERS + CONSULTANTS

REVISION DATES

INDEX

PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
02-0001

DATE	DRAWING NO.	REVISION
1-28-2020	ALL	DRAINAGE SYSTEMS B AND D UPDATES

DATE	DRAWING NO.	REVISION

REVISION DATES

CALYX ENGINEERS + CONSULTANTS

REVISION SUMMARY

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 03-0001

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS. CURRENT EDITION.

2. A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT.

3. ALL CONSTRUCTION WILL BE ACCOMPLISHED UNDER TRAFFIC, UNLESS SPECIFIED OTHERWISE.

4. THE TOTAL AREA SHOWN ON THE PLANS FOR GRADING COMPLETE IS FOR INFORMATION ONLY. THE CITY OF DUNWOODY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY. IT IS THE CONTRACTOR 'S RESPONSIBILITY TO DETERMINE THE ACTUAL AREA WHEN ESTIMATING ON GRADING COMPLETE. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON PLANS. COST FOR ITEMS TO BE REMOVED WHICH DO NOT HAVE A SEPARATE PAY ITEM SHALL BE INCLUDED IN PRICE BID COMPLETE.
   TOTAL DISTURBED AREA = 2.9 AC
   TOTAL PROJECT AREA = 3.1 AC

5. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING AND SOD IS FOR INFORMATION ONLY. THE CITY OF DUNWOODY ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL ESTIMATE GRASSING OR SOD BY SQUARE YARD, AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS. AREA OF GRASSING WITH IN THE PROJECT LIMITS IS APPROXIMATED TO BE 1750 SY

6. ALL EXISTING PIPE NO LONGER IN USE SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE OR PLUGGING & FILLING OF PIPE SHALL BE INCLUDED IN PRICE FOR 'GRADING COMPLETE'.

7. CONTRACTOR SHALL REPAIR/REPLACE ALL EXISTING SPRINKLER HEADS WITHIN THE PROJECT AREA. SPRINKLER HEAD REPAIR OR REPLACEMENT SHALL BE INCLUDED IN PRICE FOR GRADING COMPLETE. ANY SPRINKLER HEADS MUST BE RESET SUCH THAT THEY ARE 12 INCHES BEHIND THE SIDEWALK AND WILL NOT SPRAY ACROSS THE SIDEWALK. IRRIGATION VALVES IN CONFLICT WITH THE SIDEWALK, SHALL BE RESET BEHIND THE SIDEWALK.

8. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF DUNWOODY PUBLIC WORKS DEPARTMENT.

9. PRICE FOR GRADING COMPLETE SHALL INCLUDE, BUT IS NOT LIMITED TO, SAW CUT OF EXISTING EDGE OF PAVEMENT, REMOVAL & REPLACEMENT OF FENCES, RESETTING OF MAILBOXES, AND ALL DEMOLITION NOT HAVING A PAY ITEM.

10. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WILL BE BY LINEAR FOOT AND BE COVERED BY ITEM 573-2006.

11. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

12. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

13. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE GEORGIA STANDARD SPECIFICATIONS, CURRENT EDITIONS, REGARDING EROSION CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS' RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.

14. ALL SIDEWALK AND HANDICAP RAMPS SHALL BE IN ACCORDANCE WITH GDOT SPECIAL DETAILS AND CITY PUBLIC WORKS DEPARTMENT REQUIREMENTS.

15. MAILBOXES ARE TO BE RESET WITHIN LANDSCAPE STRIP SO AS NOT TO INTRUDE INTO STREET OR SIDEWALK. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO MAILBOXES.

16. ACCESS TO ALL PARCELS VIA EXISTING DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND CONCRETE FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. REQUIRED DRIVEWAY EASEMENTS NOT SHOWN ON THE PLANS SHALL BE ACQUIRED. DRIVES SHALL BE CONSTRUCTED USING:
   RESIDENTIAL ASPHALT:
   165 LBS/SY 12.5 MM SUPERPAVE GP2 ONLY & 6 INCHES OF GAB
   COMMERCIAL ASPHALT:
   165 LBS/SY 12.5 MM SUPERPAVE GP2 ONLY & 220 LBS/SY 19 MM SUPERPAVE GP 1 OR 2 & 6 INCHES OF GAB
   RESIDENTIAL CONCRETE:
   6 INCHES OF DRWY CONCRETE & 6 INCHES OF VALLEY GUTTER
   COMMERCIAL CONCRETE:
   8 INCHES OF DRWY CONCRETE & 8 INCHES OF VALLEY GUTTER

17. ALL CUT AND FILL SLOPES SHALL BE GRASSED OR SODDED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.

18. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE CITY, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS, AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.

19. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS. THE COST ASSOCIATED WITH THIS (EXCEPT FOR THE AGGREGATE SURFACE COURSE) WILL BE PAID AS A PART OF TRAFFIC CONTROL.

20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL, CONCRETE, AND ASPHALT REMOVED FROM PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT AREAS. THIS MATERIAL MAY BE PLACED IN R/W WHERE THERE IS 3 FEET MINIMUM COVER AND NO FUTURE WIDENING IS PLANNED.

21. THE CONTRACTOR SHALL VERIFY TREES TO BE REMOVED WITH CITY OF DUNWOODY DEPARTMENT OF PUBLIC WORKS PRIOR TO THEIR REMOVAL.

22. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.

23. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

24. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE FOR 'GRADING COMPLETE'.

25. PRICE FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION MAINTENANCE, REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER.

26. NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING, OR OTHER INCLUDED IN PRICE FOR 'TRAFFIC CONTROL'.

27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE FOR OTHER ITEMS.

28. CONTRACTOR TO CLEAN OUT ALL RETAINED EXISTING DRAINAGE STRUCTURES IN PROJECT LIMITS AND PAYMENT TO BE INCLUDED IN 'GRADING COMPLETE'.

29. GRASS SHALL BE REPLACED IN KIND WITH SOD, UNLESS SPECIFIED BY THE CITY OF DUNWOODY TO BE REPLACED IN CERTAIN AREAS WITH PERMANENT GRASSING, AND/OR INSTALLED USING THE SAME GRASS TYPE EXISTING WITHIN THAT PARCEL'S YARD (I.E. BERMUDA SOD TO BE REPLACED AND/ OR INSTALLED IN YARDS WITH EXISTING BERMUDA SOD).

30. CONTRACTOR SHALL PROVIDE 48 HOUR ADVANCED NOTICE TO PROPERTY OWNERS BEFORE INITIAL WORK IS DONE AT THESE MILESTONES.
   1) IN FRONT OF PROPERTY
   2) REMOVAL OF DRIVEWAY
   3) POURING OF DRIVEWAY
   4) IRRIGATION LINES

31. CONTRACTOR SHALL ENSURE THAT PROPOSED DRIVEWAY PROFILES WILL NOT 'BOTTOM OUT' VEHICLES BY TESTING THE GRADED SUBGRADE. IF A PROFILE IS FOUND TO CAUSE THE VEHICLE TO SCRAPE, THE CONTRACTOR IS TO NOTIFY THE CITY OF DUNWOODY WHO WILL ADJUST THE PROFILE ACCORDINGLY.

32. CONTRACTOR SHALL REFER TO THE RIGHT OF WAY AGREEMENTS, WHICH WILL BE FURNISHED BY THE CITY.

33. TRUNCATED DOMES AT THE END OF HANDICAP RAMPS SHALL BE "BRICK RED" IN COLOR.

34. ALL CROSS DRAINS SHALL BE PER GDOT STANDARD 1401.

CALYX
ENGINEERS + CONSULTANTS

REVISION DATES		

GENERAL NOTES

PEELER ROAD SIDEWALK

				DRAWING No.
CHECKED:		DATE:		04-0001
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GENERAL NOTES FOR SIGNING

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS. THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISION.
2. SIGN ERECTION LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY. BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM DUNWOODY PUBLIC WORKS.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT THE HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
4. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTION SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
5. TYPE III (HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
6. TYPE XI (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A. R5-1), WARNING SIGNS AND OVERHEAD SIGNS.
7. TYPE IV (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
8. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
9. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND ANY APPLICABLE GDOT STANDARDS.
10. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
11. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC. UNLESS OTHERWISE NOTED.
12. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. ALL D3'S SHALL BE 'WHITE ON GREEN', TYPE III RETROFLECTIVE SHEETING, NINE INCH D3'S ARE STANDARD, EXCEPT AT SIGNALIZED INTERSECTIONS WHERE 18 INCH D3'S SHALL BE PROVIDED.
13. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY. CONTRACTOR SHALL ENSURE THAT ERECTED SIGNS ARE VISIBLE TO THE INTENDED TRAFFIC AND NOT BLOCKED BY VEGETATION BY TRIMMING AND/OR REMOVING THAT VEGETATION WITH APPROVAL BY THE CITY OF DUNWOODY DEPARTMENT OF PUBLIC WORKS, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE CITY OF DUNWOODY DEPARTMENT OF PUBLIC WORKS.
14. IN RESIDENTIAL AREAS SIGNS SHALL BE ON, OR AS CLOSE AS POSSIBLE TO, PROPERTY LINES.
15. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
16. ALL EXISTING PAVEMENT MARKINGS CONFLICTING WITH NEW PAVEMENT MARKINGS SHALL BE OBLITERATED (BLACKOUT PAINT IS PROHIBITED).
17. CONTRACTOR SHALL REMOVE & RESET EXISTING SIGNAGE THROUGHOUT PROJECT LIMITS.
18. PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN GRADING COMPLETE

UTILITY GENERAL NOTES

UTILITY DISCLAIMER, EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR/INSTALLER SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM THE CONTRACTORS/INSTALLERS NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTORS/INSTALLERS EXPENSE.

CONTRACTOR/INSTALLER SHALL CONTACT UTILITY LOCATOR SERVICE, 811, & COUNTY OF DEKALB PRIOR TO ANY CONSTRUCTION.

EXISTING POLE ATTACHMENT DATA IS APPROXIMATE AND IS PROVIDED AS A GENERAL GUIDELINE TO THE CONTRACTOR/INSTALLER TO AID IN IDENTIFYING POTENTIAL INSTALLATION CONFLICTS. THE CONTRACTORS/INSTALLER SHALL PROVIDE APPROPRIATE CLEARANCES FROM UTILITIES.

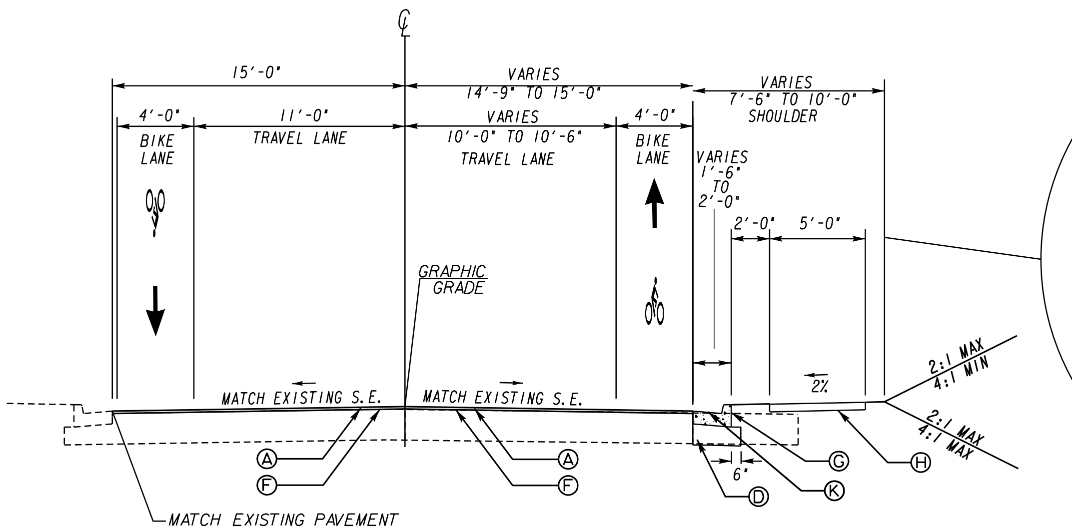
THE CONTRACTOR SHALL BE RESPONSIBLE FOR "POTHOLING" THE DEPTH OF ALL UTILITIES IN ORDER TO ESTABLISH LINE AND GRADE FOR INSTALLATION OF ALL MATERIALS.

UTILITY OWNER	SERVICE	CONTACT	
GEORGIA POWER CO.	ELECTRIC DISTRIBUTION	LAMONTE WASLIEN	404-947-0729
COMCAST	CABLE TV	LESTER HARRIS	770-559-2308
AT&T	TELECOMMUNICATIONS	DAVID WAGNER	404-532-7704
WINDSTREAM	TELECOMMUNICATIONS	ANDREW EASTMAN	319-790-6195
LEVEL 3 COMMUNICATIONS	TELECOMMUNICATIONS	MICHAEL MAYES	404-394-0597
ZAYO FIBER SOLUTIONS	TELECOMMUNICATIONS	NIC FLORES	678-666-2493
ATLANTA GAS LIGHT	GAS	JONATHAN TODD	404-584-3186
DEKALB COUNTY WATERSHED MANAGEMENT	WATER AND SANITARY SEWER	RUDY CHEN	770-621-7213

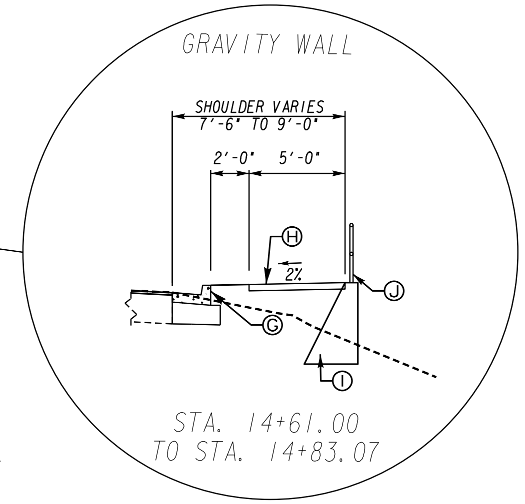
TRAFFIC SIGNAL GENERAL NOTES

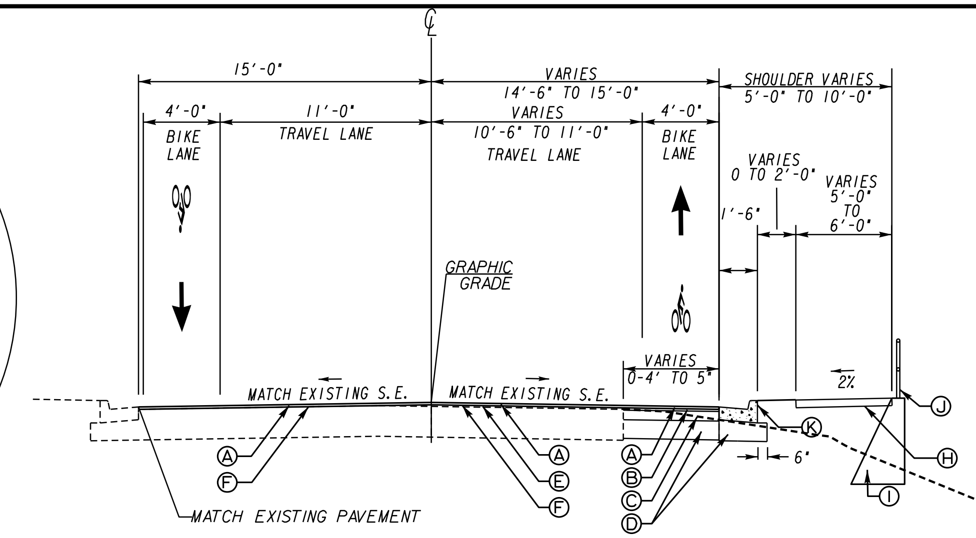
1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. AT THE DISCRETION OF THE ENGINEER. MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES. ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE CITY TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE CITY OF DUNWOODY DEPARTMENT OF PUBLIC WORKS CONTACT THE DEPARTMENT OF PUBLIC WORKS ENGINEER AT (678) 382-6850.
9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATION.
11. ALL EXISTING STOP BARS, WORDS, ARROWS, AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.
12. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

ENVIRONMENTAL RESOURCES IMPACT TABLE						
These resources and the restrictions listed are governed by state and federal law						
RESOURCE NAME	Location			Permitted Construction Activity	Special Provision?	Comments
	Beginning STA.	Ending STA.	Side			
STREAM 1	14+14	14+24	RT	THE CONTRACTOR IS ALLOWED TO INSTALL RIP RAP		
STREAM 1 BUFFER	13+52	15+54	RT	THE CONTRACTOR IS ALLOWED TO CONSTRUCT SHOULDER ENHANCEMENTS		
WETLAND	35+07	35+45	RT	DO NOT DISTURB		
STREAM 2	36+29	37+26	RT	DO NOT DISTURB		
STREAM 2 BUFFER	36+12	37+52	RT	THE CONTRACTOR IS ALLOWED TO CONSTRUCT SHOULDER ENHANCEMENTS		

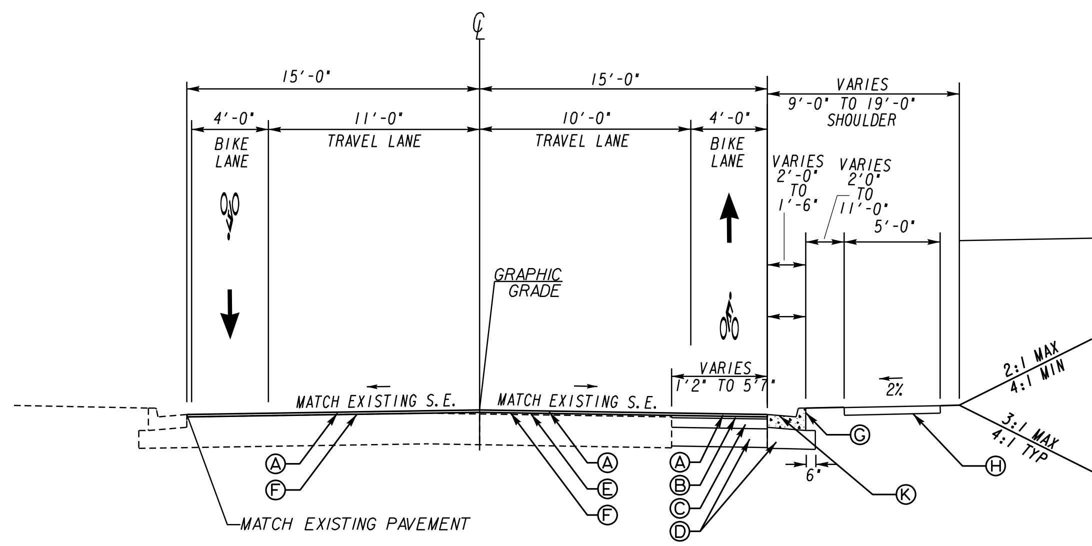


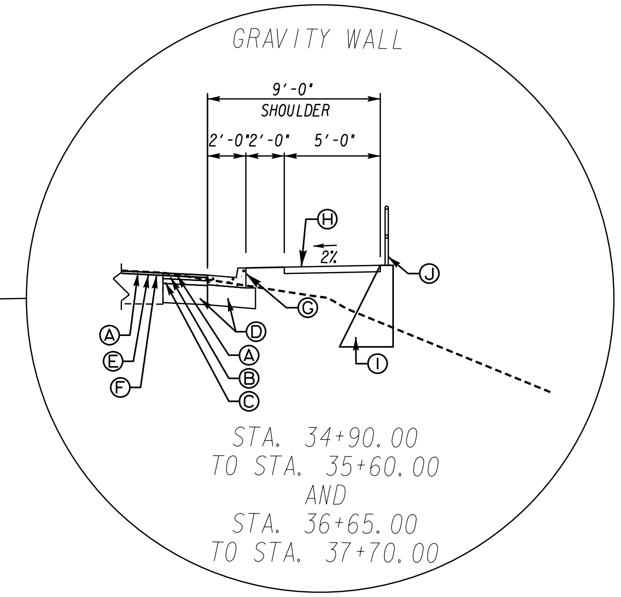
TS-01
STA. 13+19.79 TO STA. 14+83.07





TS-02
STA. 14+83.07 TO STA. 15+59.00





*SEE CONSTRUCTION DRAWINGS FOR LOCATIONS

TS-03
STA. 15+59.00 TO STA. 48+09.34

PAVEMENT

- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- Ⓓ 10" GRADED AGGREGATE BASE CRS, INCL MATL
- Ⓔ RECYCLED ASPHALT LEVELING, INCL BITUM MATL & H LIME - AS REQUIRED
- Ⓕ MILL ASPH CONC PAVEMENT, 1 1/2" DEPTH
- Ⓖ 8" X 24" CURB AND GUTTER TYPE 2
- Ⓗ 4" CONCRETE SIDEWALK
- Ⓘ GDOT GRAVITY WALL, SEE SHEETS 31-0001 TO 31-0003 AND GDOT STD 9031L FOR DETAILS
- Ⓙ HANDRAIL, TWO PIPE
- Ⓚ 8" X 18" CURB AND GUTTER TYPE 2

SLOPE : SEE ROADWAY PLANS FOR SUPERELEVATION RATES AND TRANSITIONS.

NOTE: FOR METHOD OF SUPERELEVATION SEE CONSTR PLAN & PROFILE SHEETS-CURVE DATA. LOCATIONS OF NORMAL CROWN & FULL S.E. NOTED ON CONSTR CENTERLINE.

★ SEE PLAN SHEETS.

SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.

CALYX ENGINEERS + CONSULTANTS

N. T. S

REVISION DATES

TYPICAL SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
05-0001

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE	0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

	RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%

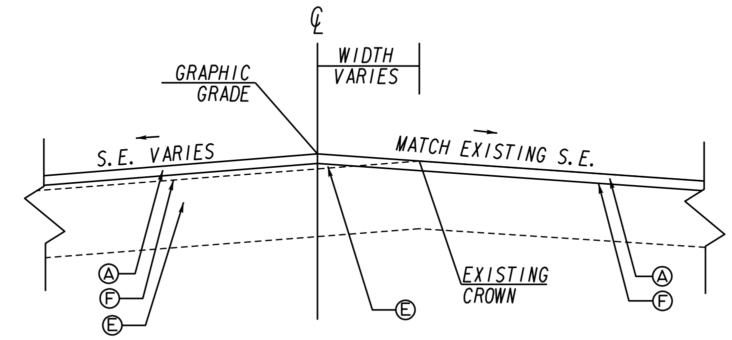
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

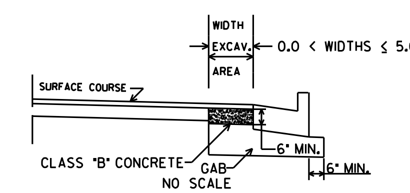
NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



PROPOSED CENTERLINE ELEVATION DETAIL

N.T.S.



NO SCALE
CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
Item Code 500-9999 - Cu. Yds.

In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.

See plans for details of curb and gutter construction.

CLASS "B" CONCRETE BASE OR WIDENING DETAIL

PAVEMENT

- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
- Ⓓ 10" GRADED AGGREGATE BASE CRS, INCL MATL
- Ⓔ RECYCLED ASPHALT LEVELING, INCL BITUM MATL & H LIME - AS REQUIRED
- Ⓕ MILL ASPH CONC PAVEMENT, 1 1/2" DEPTH
- Ⓖ 8" X 24" CURB AND GUTTER TYPE 2
- Ⓗ 4" CONCRETE PAVEMENT
- Ⓘ GDOT GRAVITY WALL, SEE SHEETS 31-0001 TO 31-0003 AND GDOT STD 9031L FOR DETAILS
- Ⓙ FERROUS METAL HANDRAIL, TWO PIPE
- Ⓚ 8X18" CURB AND GUTTER TYPE 2

CALYX ENGINEERS + CONSULTANTS

N.T.S

REVISION DATES		

TYPICAL SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
05-0002

SUMMARY OF QUANTITIES

PAVING AND CURB AND GUTTER QUANTITIES

	GR AGGR BASE CRS, INCL. MATL.	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19 MM SUPERPAVE	RECYCLED ASPH CONC 25 MM SUPERPAVE	BITUM TACK COAT	SIDEWALK 4 IN CONC.	SIDEWALK, 8 IN CONC	MILL ASPH CONC PVMT VARIABLE DEPTH	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	CONC HEADER CURB 6 IN, TP 2	CLASS B CONCRETE, BASE OR PVMT WIDENING
	TN	TN	TN	TN	GAL	SY	SY	SY	LF	LF	CY
DRAWING NUMBER											
13-0001	159	113	0	0	44	210	7	1267	479	0	17
13-0002	266	153	11	22	64	274	11	1619	491	0	23
13-0003	307	149	16	33	63	229	28	1504	540	0	26
13-0004	302	152	25	49	70	268	42	1560	586	36	10
13-0005	249	153	0	0	58	291	17	1657	618	0	33
13-0006	298	159	16	31	67	311	0	1642	560	0	24
13-0007	176	95	0	0	34	188	0	981	339	0	28
SUBTOTAL:	1758	974	68	135	401	1770	105	10229	3613	36	160
AS DIRECTED BY ENGINEER:	92	6	2	15	9	30	5	71	87	4	10
TOTALS:	1850	980	70	150	410	1800	110	10300	3700	40	170

SIGNING QUANTITIES

STATION	LT/RT	HIGHWAY SIGNS							SQUARE TUBE POST		
		SIGN CODE	TP 1 MATL, REFL SHEETING TYPE 9			TP 2 MATL, REFL SHEETING TYPE 11			TYPE 7		
			SIZE	WIDTH	SQ FT	SIZE	WIDTH	SQ FT	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
13+31	RT	R1-1				30 (OCT)	30.00	6.25	13	1	13
14+22	RT	R3-17(24)	24X8	24.00	1.33				13	1	13
18+88	RT	R1-1				30 (OCT)	30.00	6.25	13	1	13
30+23	RT	W11-2				30X30	30.00	6.25		1	13
30+23	RT	W16-7P				24X8	24.00	8.00			
30+43	LT	W11-2				30X30	30.00	6.25		1	13
30+43	LT	W16-7P				24X8	24.00	8.00			
30+95	RT	R1-1				30 (OCT)	30.00	6.25	13	1	13
31+76	RT	W11-2				30X30	30.00	6.25		1	13
31+76	RT	W16-7P				24X8	24.00	8.00			
32+00	LT	W11-2				30X30	30.00	6.25		1	13
32+00	LT	W16-7P				24X8	24.00	8.00			
37+58	LT	R1-1				30 (OCT)	30.00	6.25	13	1	13
42+53	RT	W8-5				24x18	24.00	3.00	13	1	13
42+53	RT	W13-1P (15)				18X18	18.00	2.25			
47+79	LT	R3-17(24)	24X18	24.00	1.33				13	1	13
SUB TOTAL:					3			87			143
AS DIRECTED BY ENGINEER:					2			3			7
TOTAL:					5			90			150

SUMMARY OF RETAINING WALLS

	CLASS B CONCRETE	FERROUS METAL HANDRAIL, TWO PIPE
	CY	LF
RETAINING WALL 1	7	98
RETAINING WALL 2	5	68
RETAINING WALL 3	8	105
SUBTOTAL	20	272
AS DIRECTED BY ENGINEER:	10	8
TOTAL:	30	280

REMOVE EXISTING SPCL GUIDE SIGN, GROUND MOUNTED, COMPLETE-IN-PLACE

STATION	LT/RT	DESCRIPTION
14+28	RT	MARTA BUS STOP
38+23	RT	MARTA BUS STOP
38+28	LT	MARTA BUS STOP
46+54	RT	MARTA BUS STOP

RESET EXISTING SPCL GUIDE SIGN, GROUND MOUNTED, COMPLETE-IN-PLACE

STATION	LT/RT	DESCRIPTION
14+28	RT	MARTA BUS STOP
38+23	RT	MARTA BUS STOP
38+28	LT	MARTA BUS STOP
46+54	RT	MARTA BUS STOP

SIGNAL QUANTITIES

ITEM	UNIT	QUANTITY
RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATIONS	LS	2
TESTING-RECTANGULAR RAPID BEACON ASSEMBLY	LS	2
TRAINING-RECTANGULAR RAPID BEACON ASSEMBLY	LS	2

PAY ITEM DESCRIPTION	UNITS
TRAFFIC CONTROL	LS
GRADING COMPLETE	LS

DRIVEWAY QUANTITIES

STA	SIDE	DRAWING NUMBER	WIDTH	ASPH./CONC	CONCRETE				ASPHALT			
					6" VG	8" VG	6" CONC	SAW CUT	12 mm	19 mm	GAB	TACK COAT
16+95	LT	13-0001	17	CONCRETE	38		75	49				
18+68	RT	13-0002	31	ASPHALT		46			4	5	19	2
24+86	RT	13-0003	14	ASPHALT	34				1	1	3	0
25+81	RT	13-0003	23	CONCRETE	17		10	34				
26+12	RT	13-0003	23	CONCRETE	17		31	34				
27+00	RT	13-0003	14	CONCRETE	36		43	36				
30+78	RT	13-0004	38	ASPHALT	56	56			5	6	25	2
SUBTOTAL					198	102	159	153	10	12	47	4
AS DIRECTED BY ENGINEER					42	8	1	7	5	3	3	1
TOTAL					**240**	**110**	**160**	160	**15**	**15**	**50**	**5**

DRAINAGE QUANTITIES

STRUCTURE	LOCATION	STORM DRAIN PIPE		CATCH BASIN GP 1		DROP INLET GP 1	FLARED END SECTION	TYPE 3 RIP RAP	PLASTIC FILTER FABRIC
		18" H=1'-10'	24" H=1'-10'	6'-0" OR LESS	ADD'L DEPTH	6'-0" OR LESS	18"		
		EA	EA	EA	LF	EA	EA	SY	SY
A-1	13+60.58						1	7	7
A-2	13+60.58	23		1	2.18				
B-1	15+65.90						1		
B-2	15+71.00	11		1					
B-3	18+26.45	253		1					
B-3A	19+10.23	87				1			
B-4	20+26.63	199		1					
B-5	22+26.69	199		1					
B-6	24+52.99	226		1					
B-7	25+47.16	95		1					
B-8	26+51.56	106		1					
B-9	27+50.87	101		1					
B-10	28+50.45	100		1					
B-11	30+15.45	164		1					
C-1	35+34.38						1	6	6
C-2	35+35.87	6		1	2.02				
D-1	37+27.25						1	3	3
D-2	37+28.83		7	1	0.62				
D-2A	37+36.25		36						
D-3	36+70.82	58		1					
D-4	37+86.83	58		1					
E-1	39+48.93						1	11	11
E-2	39+60.69	19		1					
E-3	41+59.48	199		1					
E-4	43+61.33	202		1					
E-5	45+62.1	201		1					
TOTALS:		2307	43	19	4.82	1	5	27	27
AS DIRECTED BY ENGINEER:		43	7	0	0.18	0	0	3	3
TOTALS:		2350	50	19	5.00	1	5	30	30

CALYX™ ENGINEERS + CONSULTANTS

REVISION DATES

SUMMARY QUANTITIES

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.

06-0001

SUMMARY OF QUANTITIES

PAVEMENT MARKING QUANTITIES						
ALIGNMENT	THERMOPLASTIC 5" SOLID YELLOW	THERMOPLASTIC 5" SOLID WHITE	THERMOPLASTIC 8" SOLID WHITE	THERMOPLASTIC 24" SOLID WHITE	HOT APPLIED PREFORMED PLASTIC PVMT MKG, WORDS AND/OR SYMBOLS, WHITE, TP P (TYPE 1 ARROWS)	HOT APPLIED PREFORMED PLASTIC PVMT MKG, WORDS, AND/OR SYMBOLS, WHITE, TP P (TYPE 4 SYMBOL)
UNITS	LF		LF	LF	EA	EA
PEELER RD	6979	6433	145	163	14	14
SUB TOTAL:	6979	6433	145	163	14	14
AS DIRECTED BY ENGINEER:	21	67	5	7	1	1
TOTAL:	7000	6500	150	170	15	15

EROSION QUANTITIES										
	TEMPORARY SILT FENCE, TYPE A	TEMPORARY SILT FENCE, TYPE C	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE C	BARRIER FENCE (ORANGE), 4 FT	CHANNEL STABILIZATION RIP-RAP, TYPE 1	STONE CHECK DAM	MULCH	TEMPORARY GRASSING	SODDING
DRAWING NO.	LF	LF	LF	LF	LF	SY	EA	TN	AC	SY
								SY		
54-0001	230	507	230	507	285	0	0	0	0.00	0
54-0002	489	0	489	0	0	0	0	0	0.00	0
54-0003	439	0	439	0	0	0	0	0	0.00	0
54-0004	474	0	474	0	0	0	0	0	0.00	0
54-0005	282	472	282	472	177	0	0	0	0.00	0
54-0006	540	0	540	0	0	0	0	0	0.00	0
54-0007	358	0	358	0	0	0	0	0	0.00	0
54-0008	230	505	230	505	285	13	1	0.18	0.06	307
54-0009	505	0	505	0	0	0	0	0.69	0.23	1121
54-0010	473	0	473	0	0	0	0	0.63	0.21	1017
54-0011	467	0	467	0	0	0	0	0.54	0.18	904
54-0012	330	561	330	561	177	0	0	0.60	0.20	928
54-0013	554	0	554	0	0	0	0	0.69	0.23	1112
54-0014	339	0	0	0	0	0	0	0.54	0.18	895
SUB TOTAL:	5712	2045	5371	2045	923	13	1	3.87	1.29	6282
AS DIRECTED BY ENGINEER:	88	55	29	55	7	7	0	0.13	0.71	18
TOTAL:	5800	2100	5400	2100	930	20	1	4.00	2.00	6300

CALYX™
ENGINEERS + CONSULTANTS

REVISION DATES

SUMMARY QUANTITIES
PEELER ROAD SIDEWALK

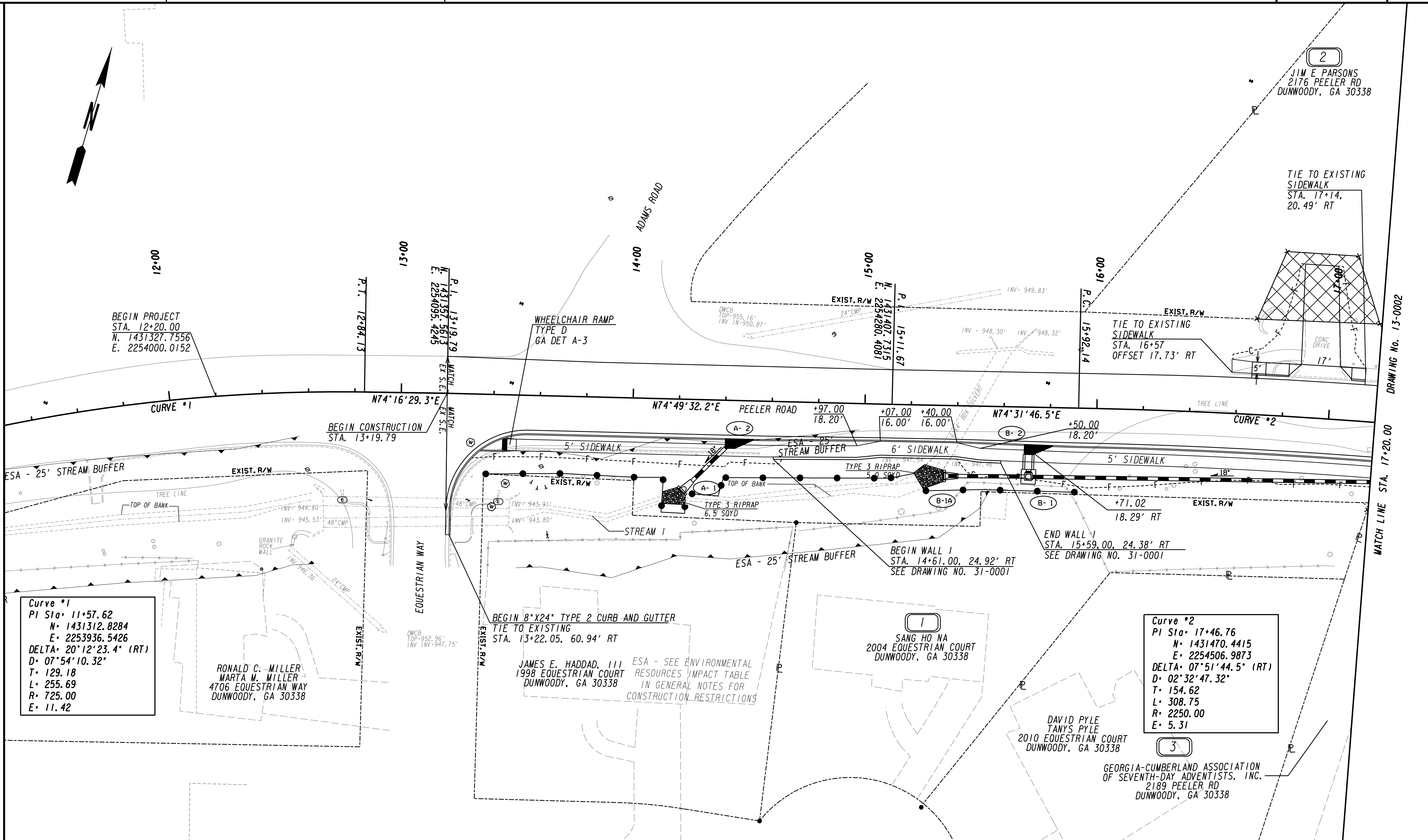
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
06-0002

DETAILED ESTIMATE

PAY ITEM	DESCRIPTION	QTY.	UNITS
150-1000	TRAFFIC CONTROL	1	LS
163-0232	TEMPORARY GRASSING	2.00	AC
163-0240	MULCH	4.00	TN
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	1	EA
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	5400	LF
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2100	LF
171-0010	TEMPORARY SILT FENCE, TYPE A	5800	LF
171-0030	TEMPORARY SILT FENCE, TYPE C	2100	LF
210-0100	GRADING COMPLETE	1	LS
310-1101	GRADED AGGREGATE BASE, INCL MATL.	1900	TN
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	5	TN
402-3143	RECYCLED ASHP CONC 25 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL	150	TN
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME	85	TN
402-4510	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	995	TN
413-0750	TACK COAT	415	GL
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	10300	SY
441-0016	DRIVEWAY CONCRETE, 6 IN TK	160	SY
441-0104	CONCRETE SIDEWALK, 4 IN	1800	SY
441-0108	CONCRETE SIDEWALK, 8 IN	110	SY
441-4020	CONC VALLEY GUTTER, 6 IN	240	SY
441-4030	CONC VALLEY GUTTER, 8 IN	110	SY
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	40	LF
441-6216	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	3700	LF
444-1000	SAWED JOINTS IN EXISTING PAVEMENTS-PCC	160	LF
500-3201	CLASS B CONCRETE, RETAINING WALL	30	CY
500-9999	CLASS B CONCRETE, BASE OR PVMT WIDENING	40	CY
515-1002	FERROUS METAL HANDRAIL, TWO PIPE	280	LF
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	2350	LF
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	50	LF
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	5	EA
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	50	SY
603-7000	PLASTIC FILTER FABRIC	30	SY
610-6515	REM HIGHWAY SIGN, STD	4	EA
611-5360	RESET HIGHWAY SIGN	4	EA
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	5	SF

PAY ITEM	DESCRIPTION	QTY.	UNITS
636-1045	TP 2 MATL, REFL SHEETING TYPE 11	90	SF
636-2070	GALV STEEL POSTS, TP 7	150	LF
643-8200	BARRIER FENCE (ORANGE)	930	LF
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	6,500	LF
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	7,000	LF
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	170	LF
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	150	LF
659-5013	HOT APPLIED PREFORMED PLASTIC PVMT MARKING, WORDS, AND/OR SYMBOLS, WHITE, TP P	30	EA
668-1100	CATCH BASIN, GP 1	19	EA
668-2100	DROP INLET, GP 1	1	EA
700-9300	SOD	6300	SY
999-3800B	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 1-PEELER RD	1	EA
999-3800B	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 2-PEELER RD	1	EA
999-3900	TESTING-RECTANGULAR RAPID BEACON ASSEMBLY	2	EA
999-3975	TRAINING-RECTANGULAR RAPID BEACON ASSEMBLY	2	EA



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
PEELER ROAD SIDEWALK

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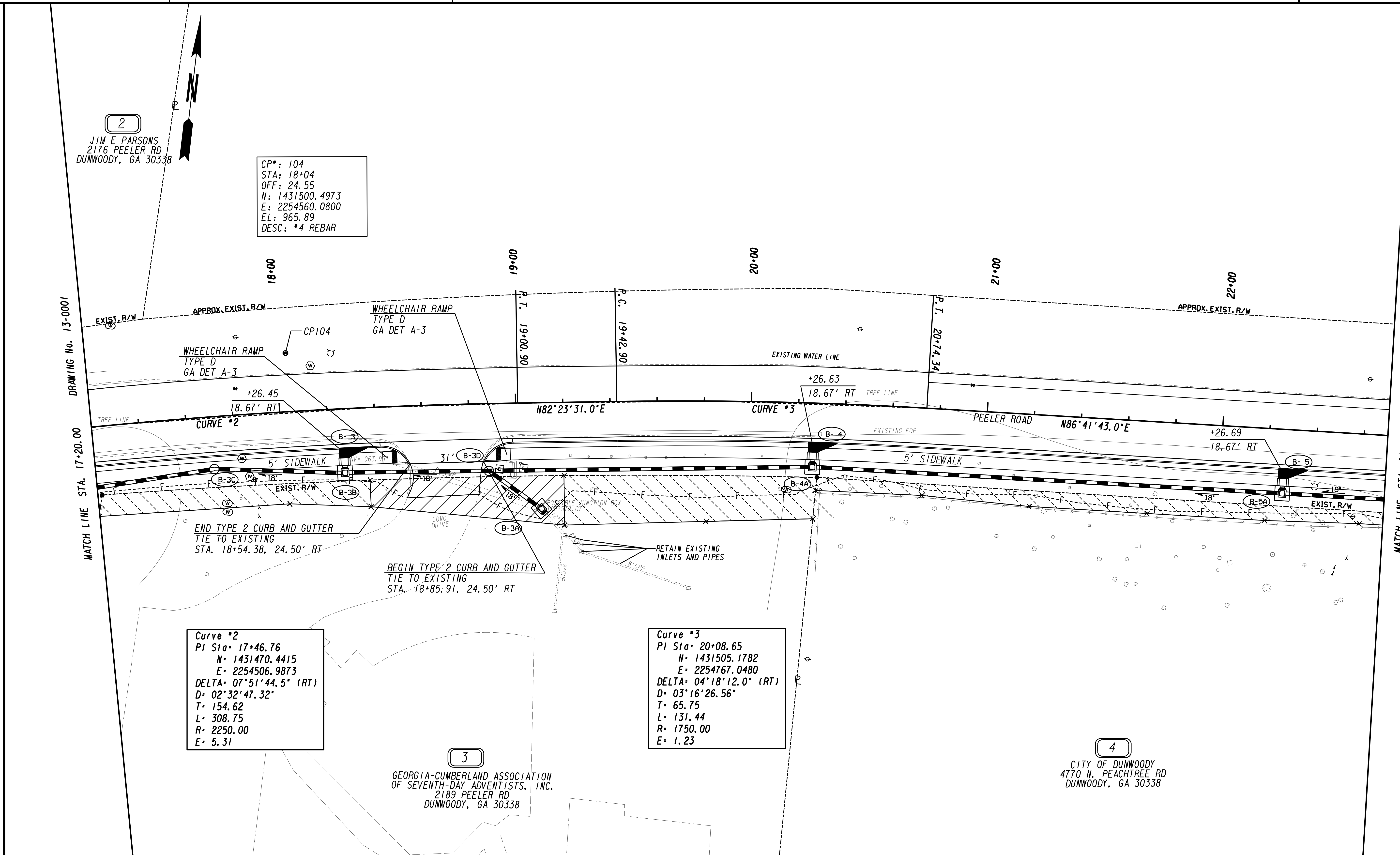
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
13-0001



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

PEELER ROAD SIDEWALK

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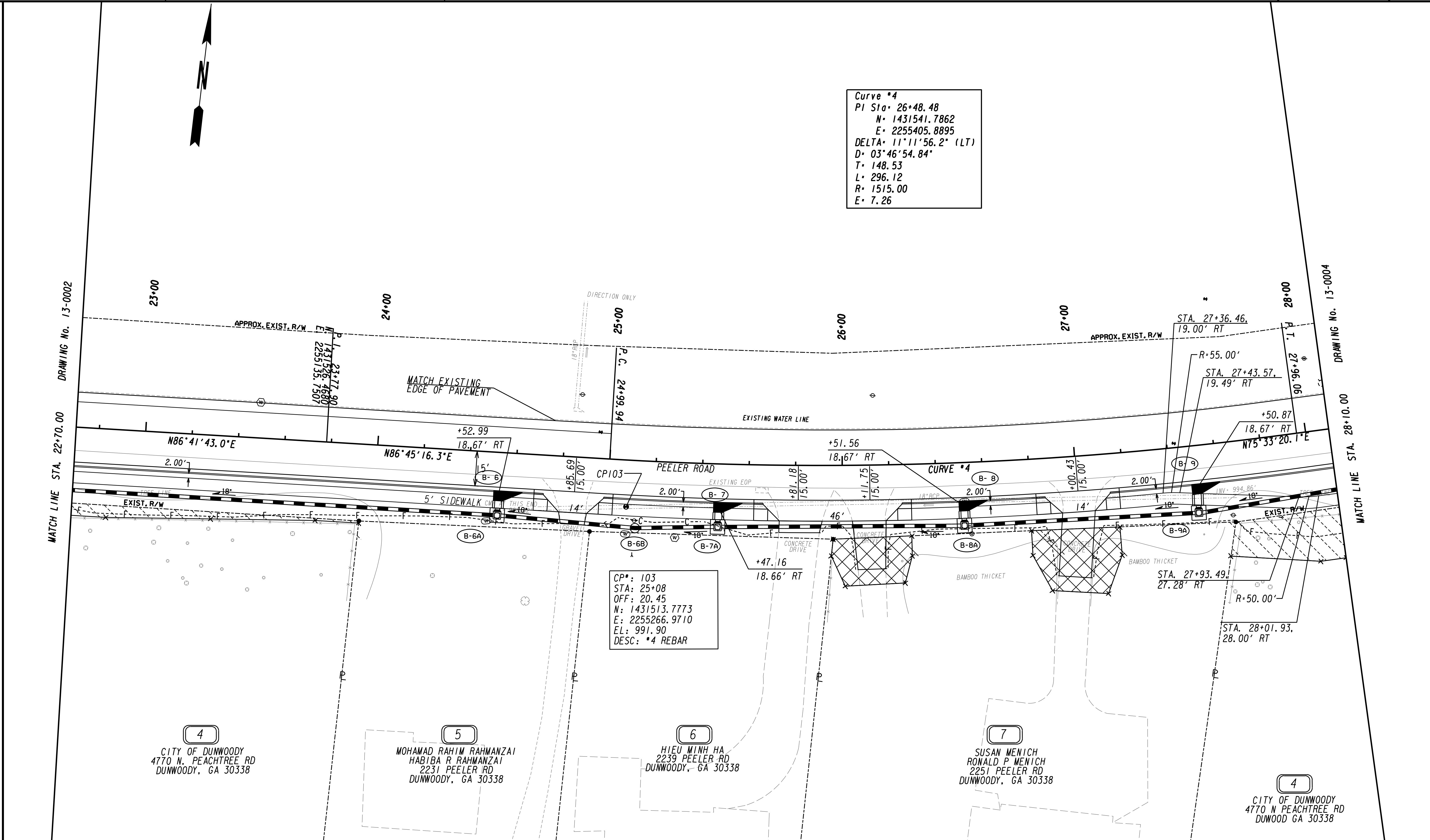
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
13-0002



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
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DRAWING No.
13-0003

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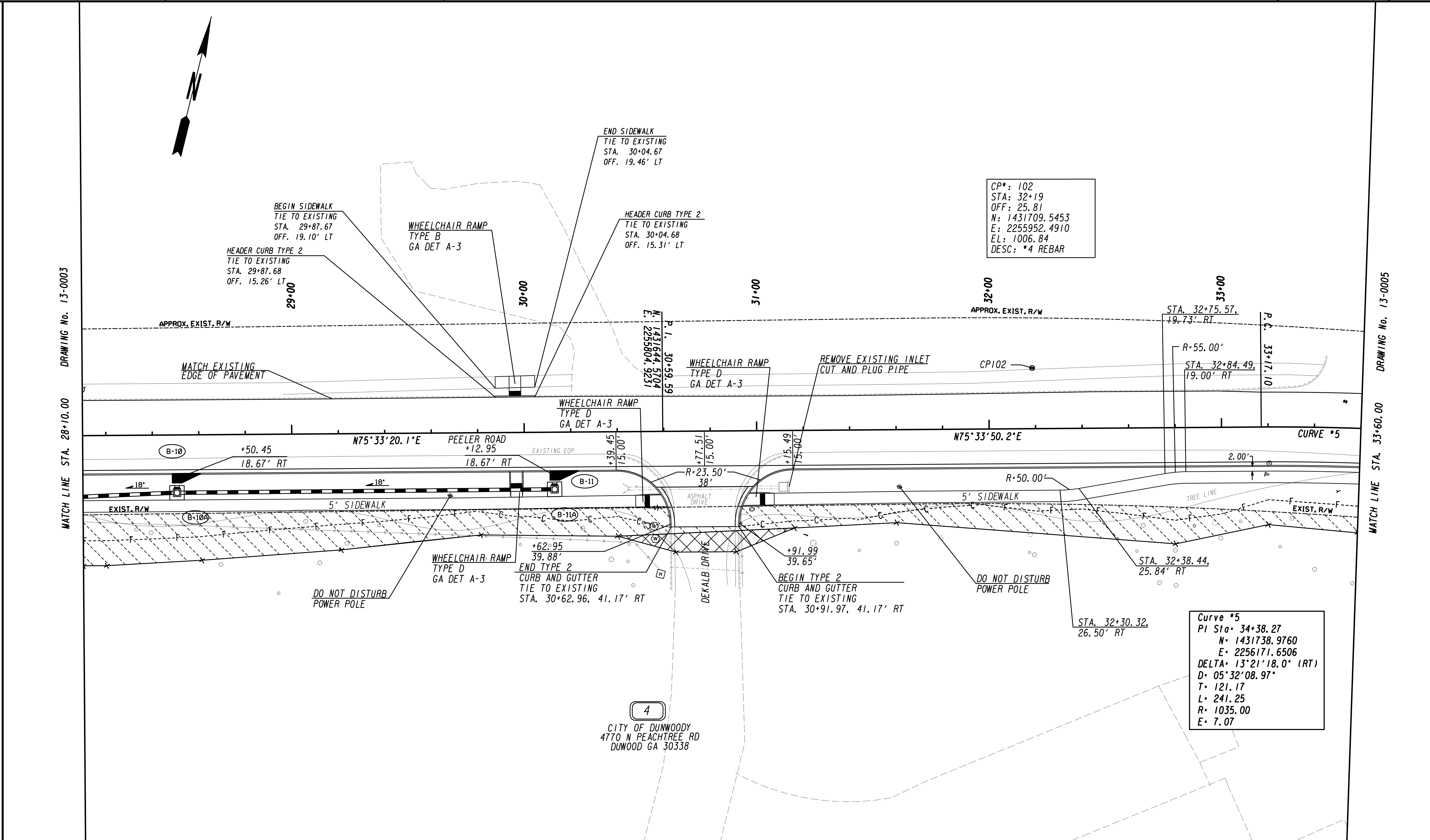

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REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA	
CONSTRUCTION LIMITS	—C— —F—	LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION OF SLOPES		ORANGE BARRIER FENCE	
EASEMENT FOR CONSTRUCTION OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

4/28/2016 GPLN

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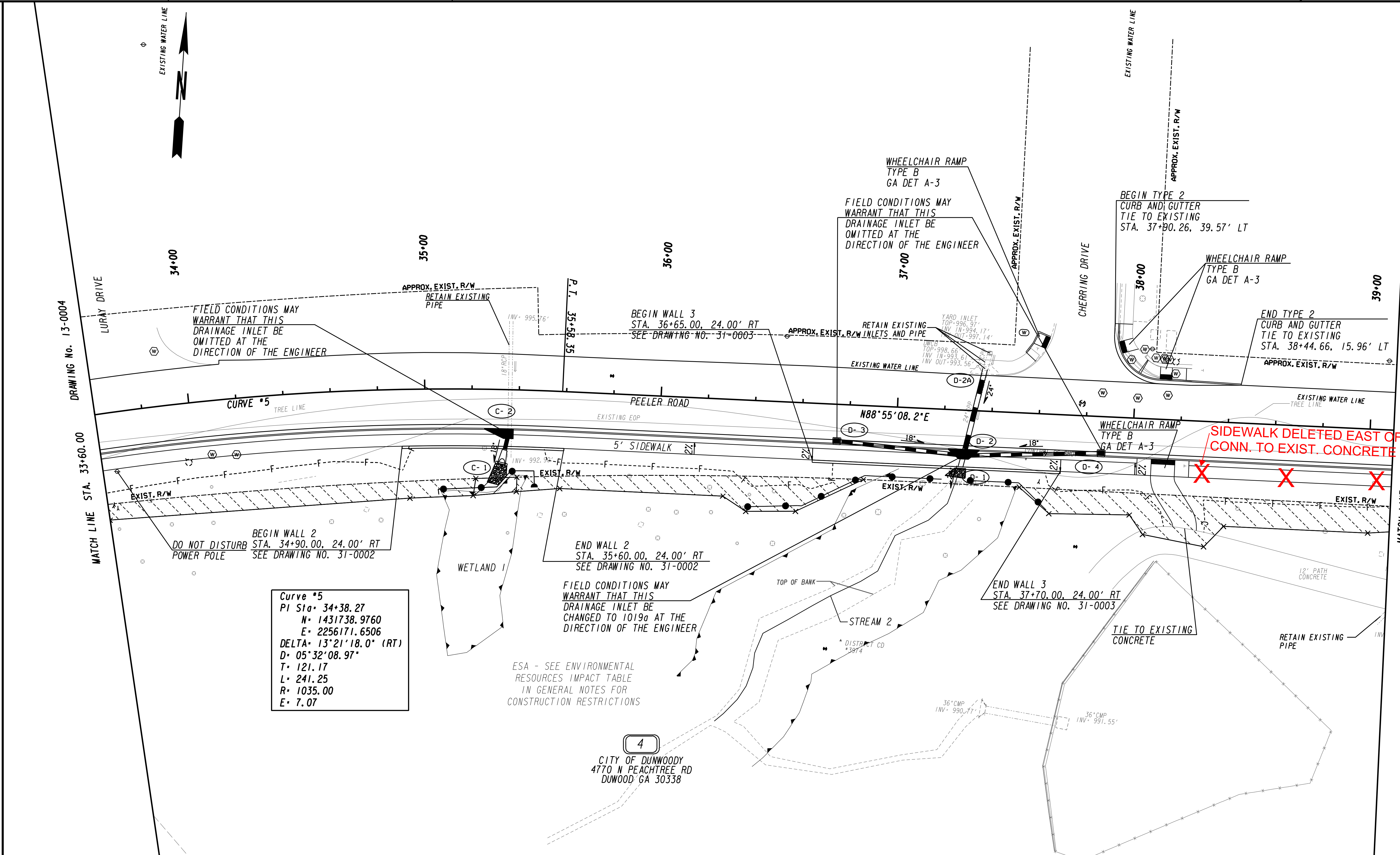

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REQUIRED R/W LINE		END LIMIT OF ACCESS..............ELA	
CONSTRUCTION LIMITS	C F	LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION OF SLOPES		ORANGE BARRIER FENCE	
EASEMENT FOR CONSTRUCTION OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

PEELER ROAD SIDEWALK

Field revision by City of Dunwoody 3-6-20

CHECKED: DATE:
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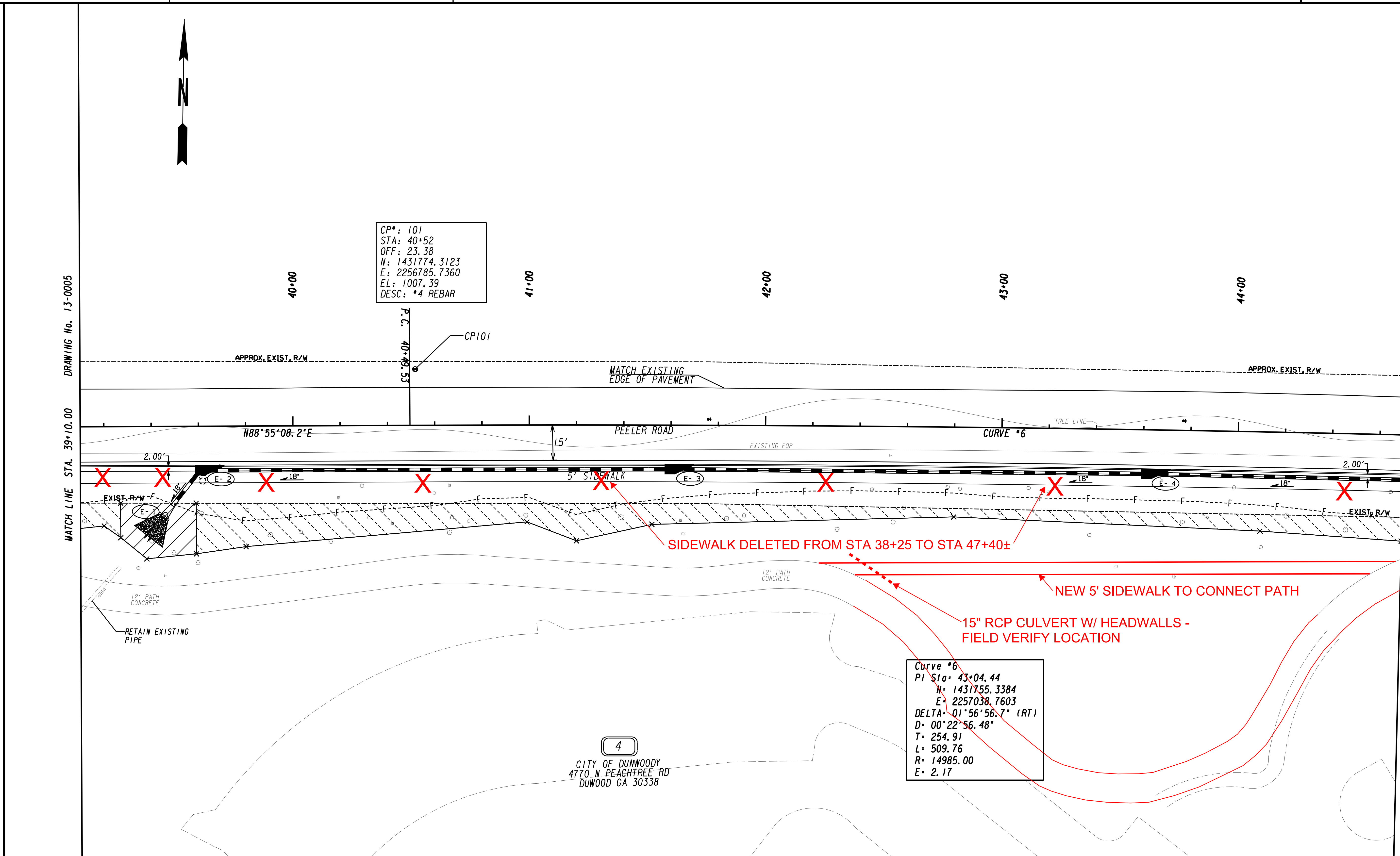
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
13-0005

4/28/2016 GPLN



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

PEELER ROAD SIDEWALK

Field revision by City of Dunwoody 3-6-20

CHECKED: DATE:
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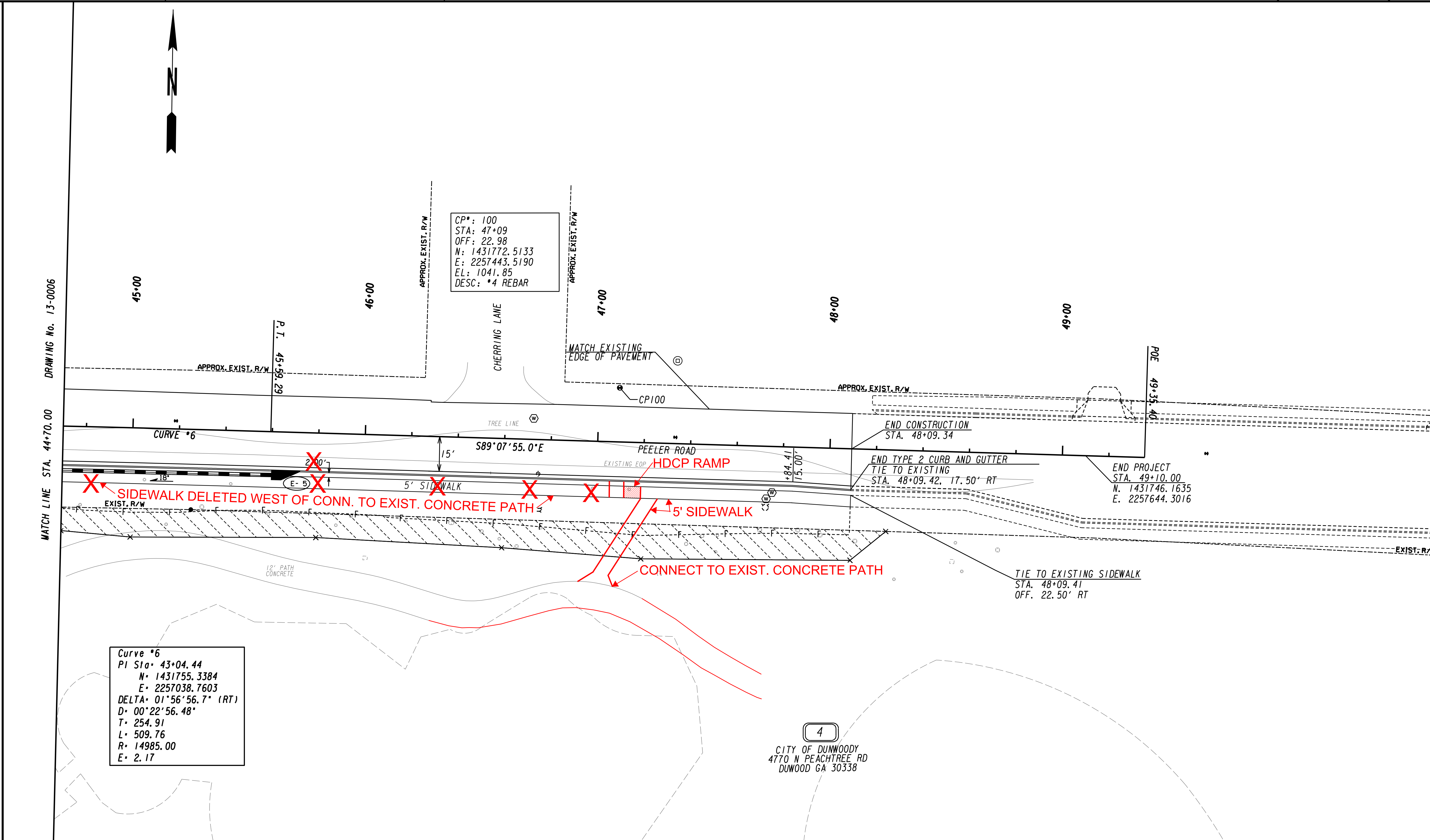
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0006



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
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EASEMENT FOR CONSTRUCTION OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

PEELER ROAD SIDEWALK

Field revision by City of Dunwoody 3-6-20

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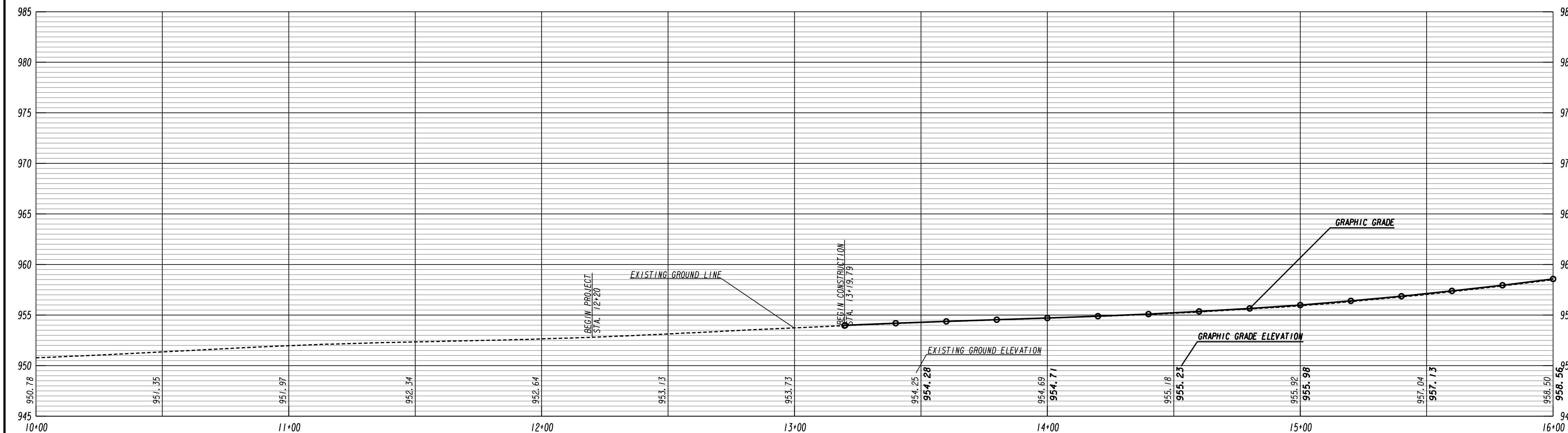

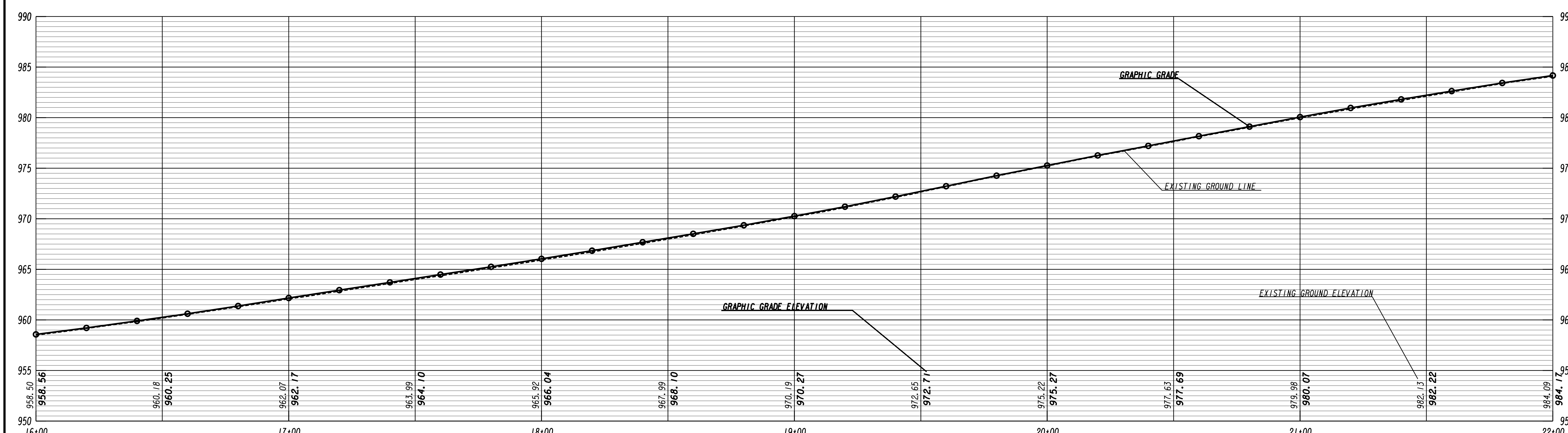

HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

REVISION DATES

MAINLINE PROFILE
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
15-0001

7/31/2015 GR220E

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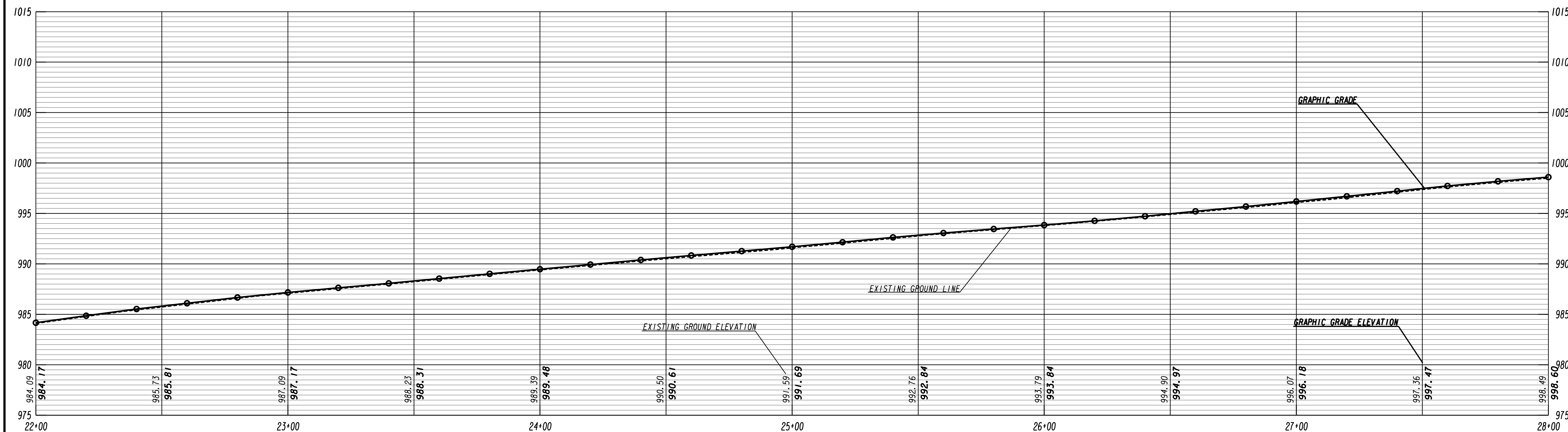
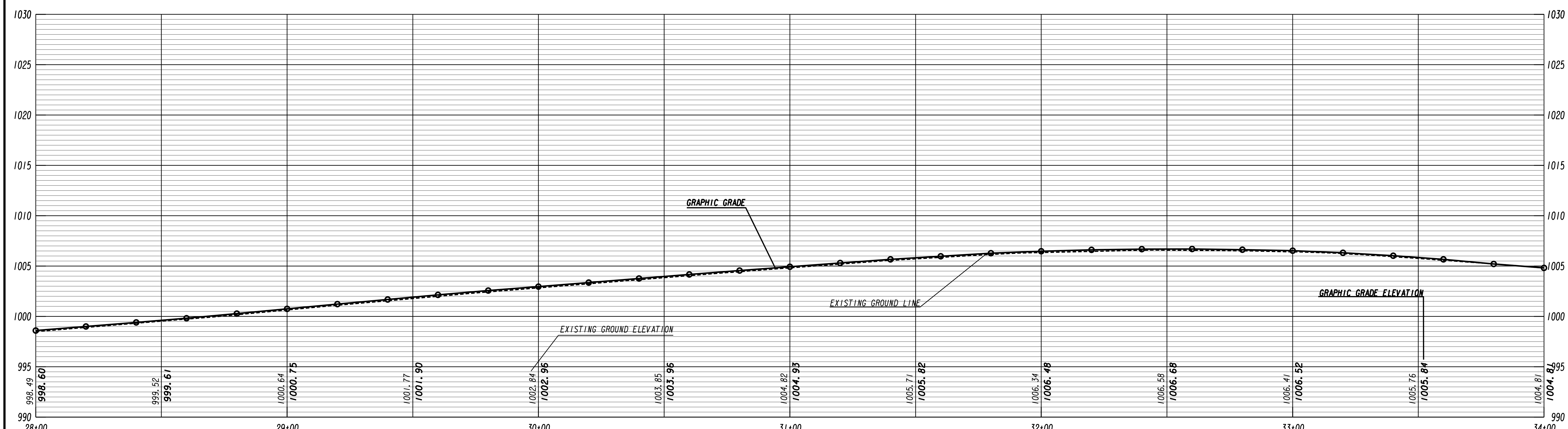




CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

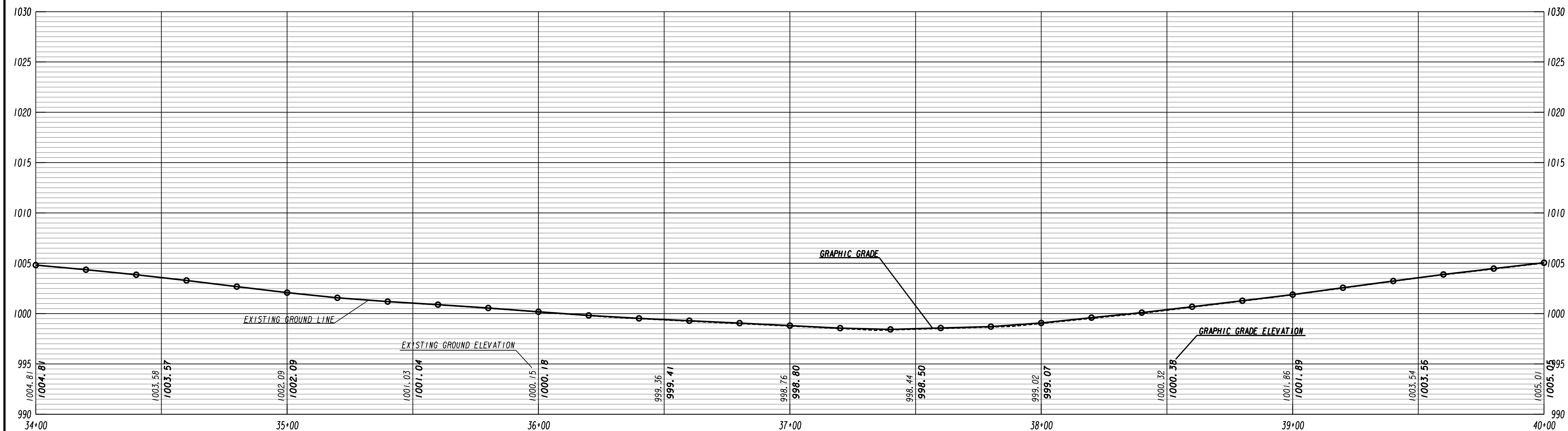
REVISION DATES

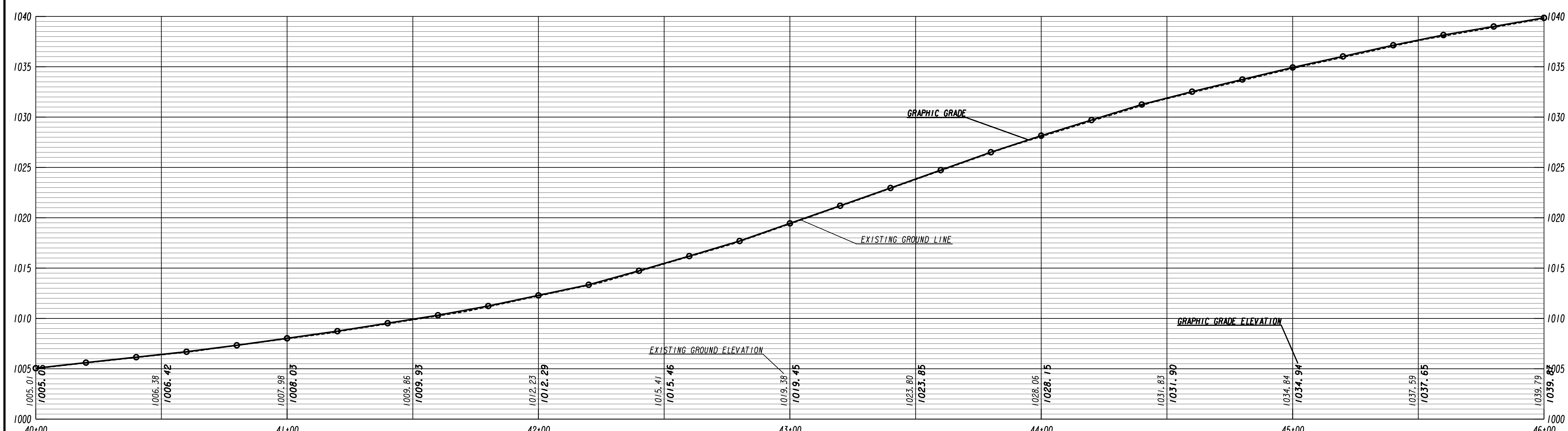
MAINLINE PROFILE
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
15-0002

7/31/2015 GR220E





CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

REVISION DATES		

MAINLINE PROFILE
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		15-0003
CORRECTED:		DATE:		
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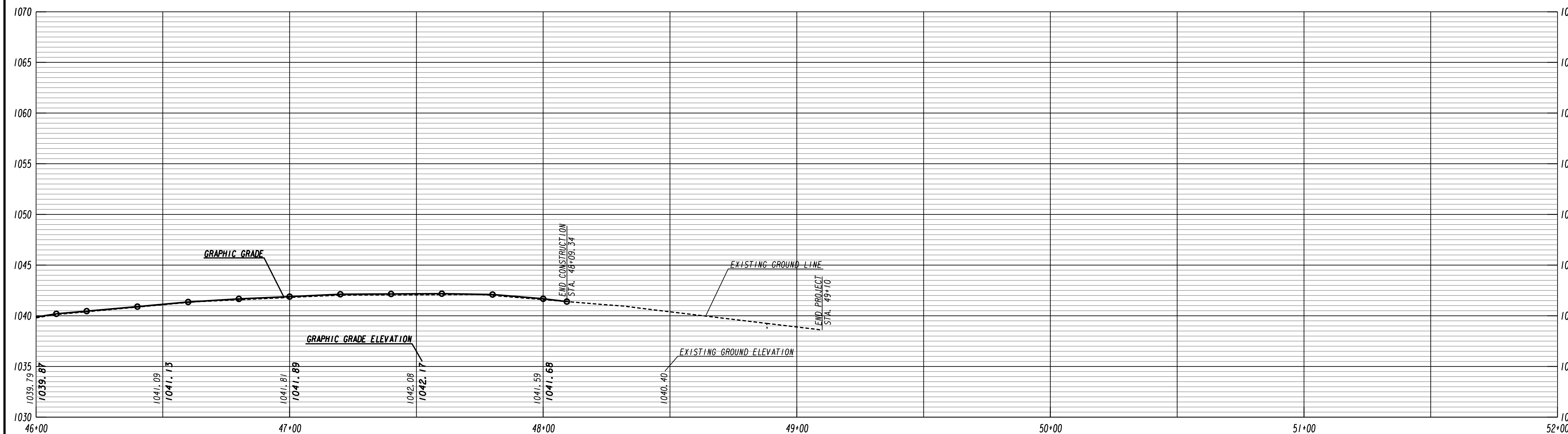
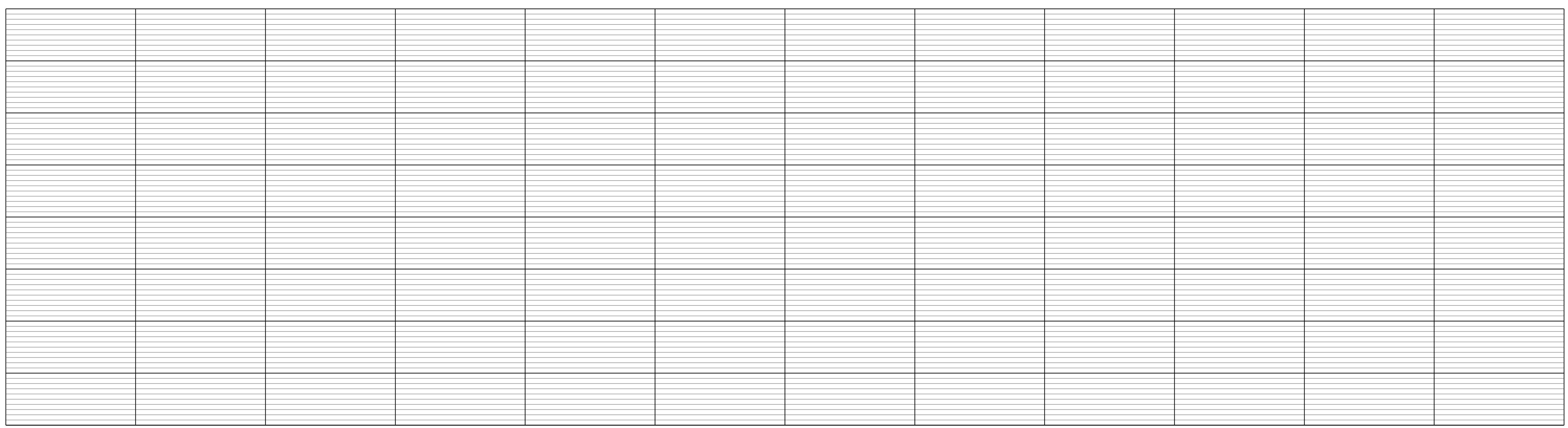




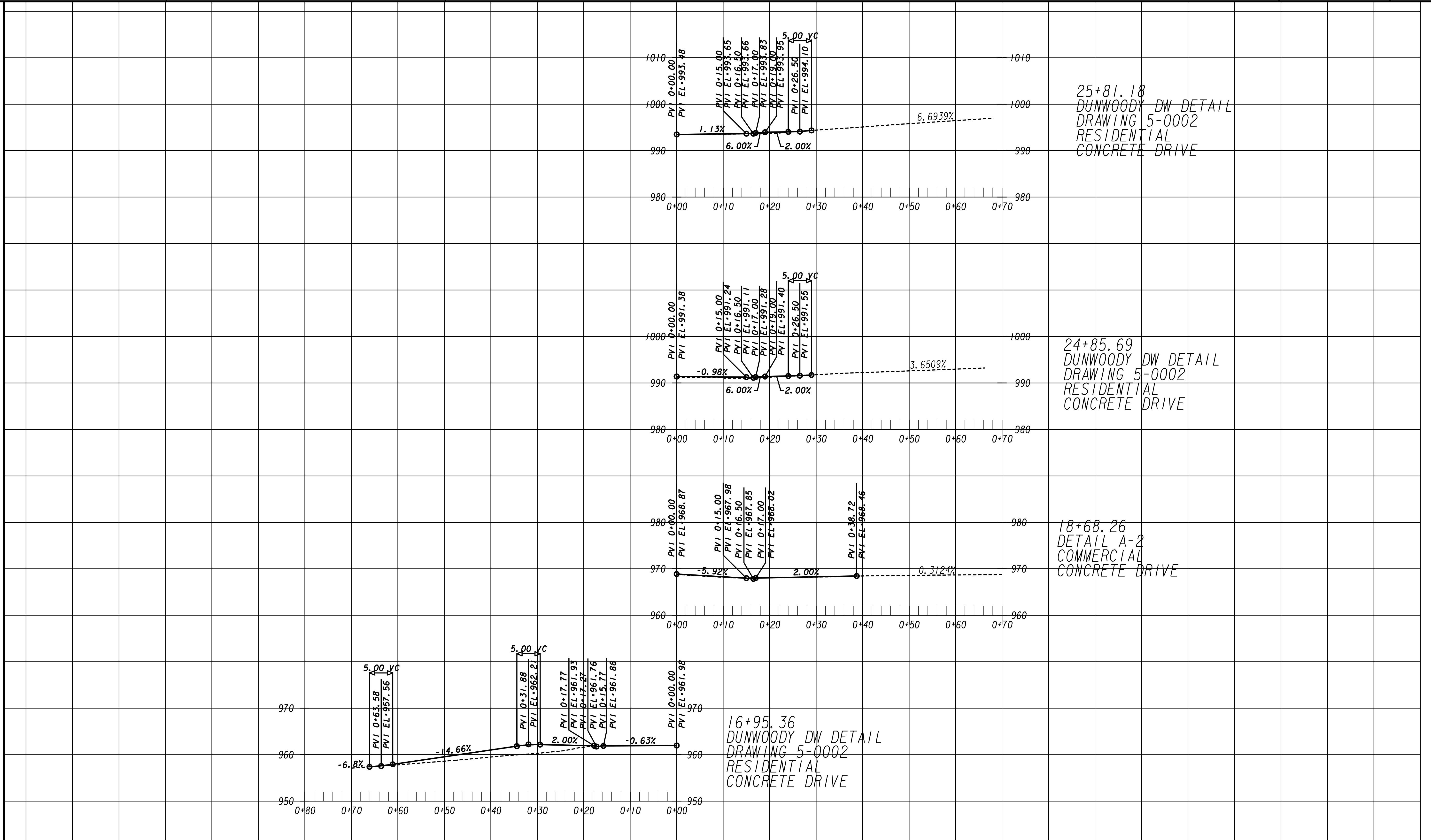
CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

REVISION DATES

MAINLINE PROFILE
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		15-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

DRIVEWAY PROFILE

PEELER ROAD SIDEWALK

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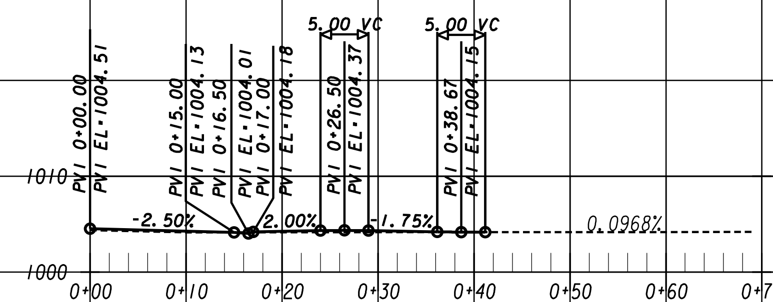
BACKCHECKED:	DATE:	17-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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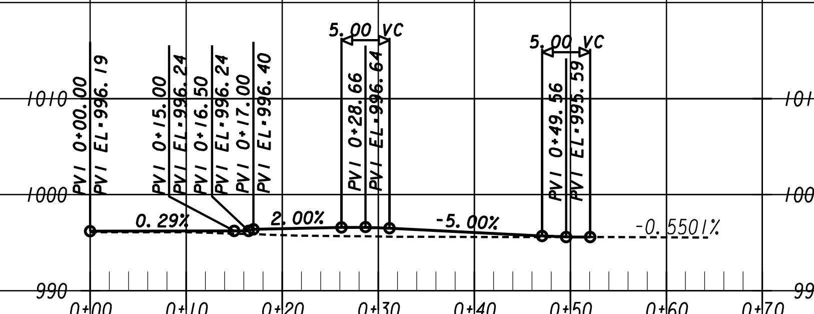
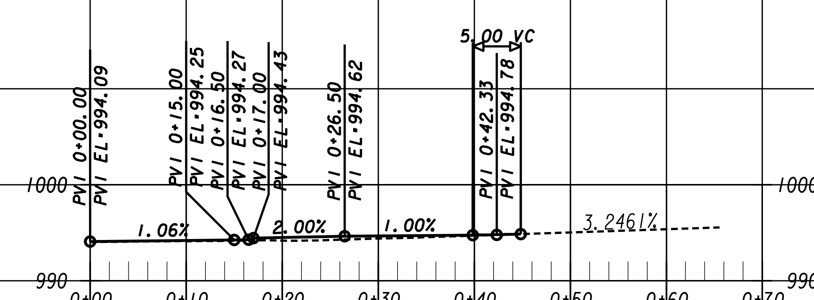
DETAIL A-2
COMMERCIAL
ASPHALT DRIVE



27+00.43
DUNWOODY DW DETAIL
DRAWING 5-0002
RESIDENTIAL
CONCRETE DRIVE



26+11.75
DUNWOODY DW DETAIL
DRAWING 5-0002
RESIDENTIAL
CONCRETE DRIVE

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

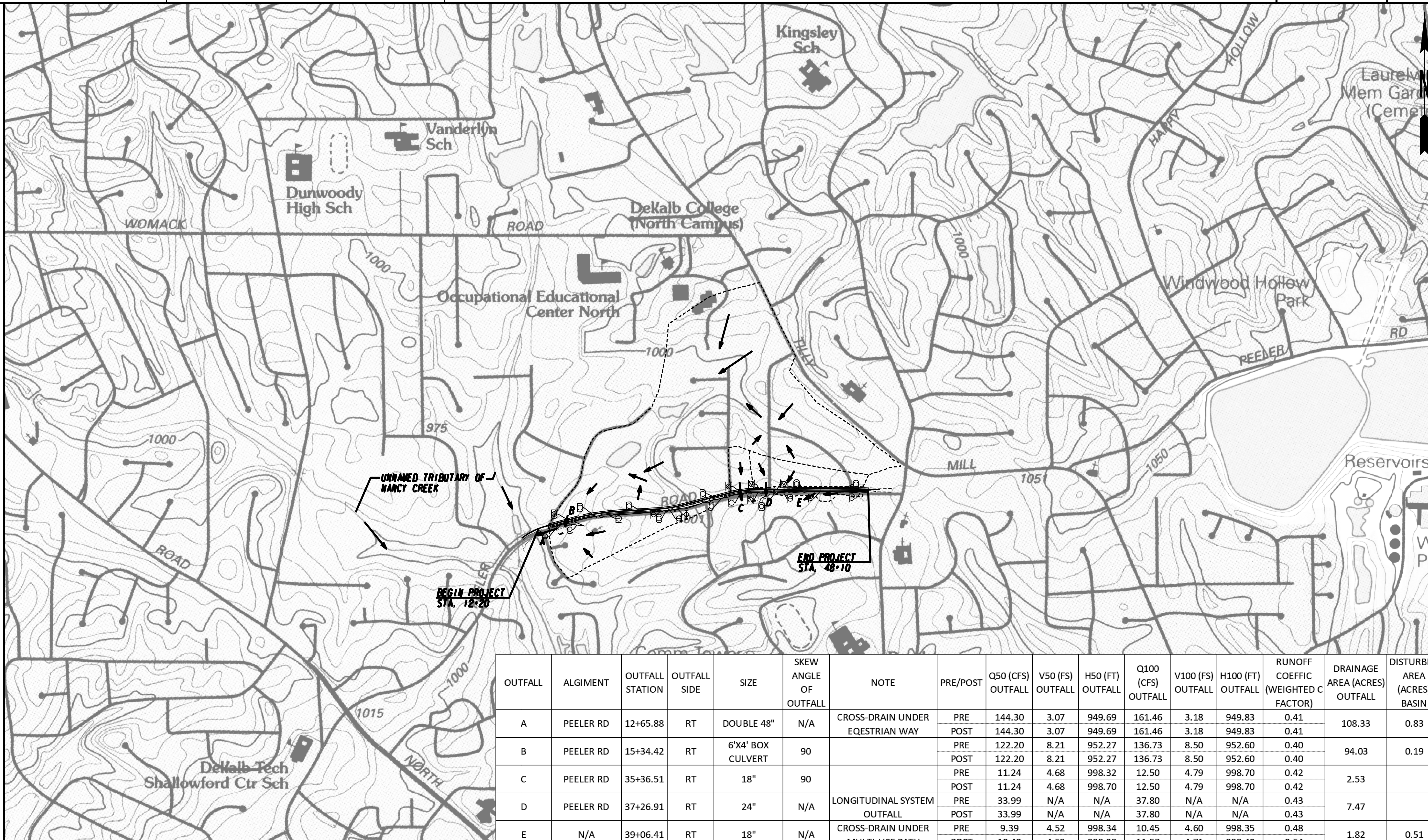
REVISION DATES

DRIVEWAY PROFILE

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
17-0002



OUTFALL	ALIGMENT	OUTFALL STATION	OUTFALL SIDE	SIZE	SKEW ANGLE OF OUTFALL	NOTE	PRE/POST	Q50 (CFS) OUTFALL	V50 (FS) OUTFALL	H50 (FT) OUTFALL	Q100 (CFS) OUTFALL	V100 (FS) OUTFALL	H100 (FT) OUTFALL	RUNOFF COEFFIC (WEIGHTED C FACTOR)	DRAINAGE AREA (ACRES) OUTFALL	DISTURBED AREA (ACRES) BASIN
A	PEELER RD	12+65.88	RT	DOUBLE 48"	N/A	CROSS-DRAIN UNDER EQESTRIAN WAY	PRE	144.30	3.07	949.69	161.46	3.18	949.83	0.41	108.33	0.83
							POST	144.30	3.07	949.69	161.46	3.18	949.83	0.41		
B	PEELER RD	15+34.42	RT	6'X4' BOX CULVERT	90		PRE	122.20	8.21	952.27	136.73	8.50	952.60	0.40	94.03	0.19
							POST	122.20	8.21	952.27	136.73	8.50	952.60	0.40		
C	PEELER RD	35+36.51	RT	18"	90		PRE	11.24	4.68	998.32	12.50	4.79	998.70	0.42	2.53	
							POST	11.24	4.68	998.70	12.50	4.79	998.70	0.42		
D	PEELER RD	37+26.91	RT	24"	N/A	LONGITUDINAL SYSTEM OUTFALL	PRE	33.99	N/A	N/A	37.80	N/A	N/A	0.43	7.47	
							POST	33.99	N/A	N/A	37.80	N/A	N/A	0.43		
E	N/A	39+06.41	RT	18"	N/A	CROSS-DRAIN UNDER MULTI-USE PATH	PRE	9.39	4.52	998.34	10.45	4.60	998.35	0.48	1.82	0.51
							POST	10.40	4.59	998.38	11.57	4.71	998.40	0.54		

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 500 1000 2000

REVISION DATES

DRAINAGE AREA MAP

PEELER ROAD SIDEWALK

CHECKED: DATE:
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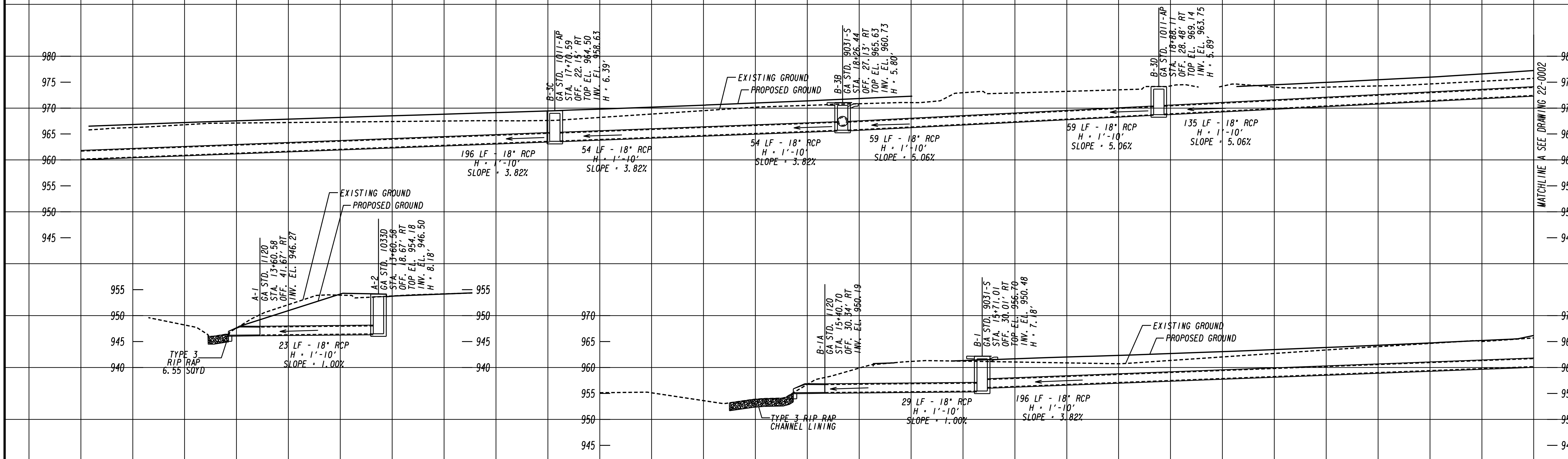
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
21-0001

STRUCTURE	UPSTREAM STRUCTURE	PIPE NUMBER	PIPE SIZE (INCHES)	PIPE LENGTH (FEET)	D.A. (ACRES)	DISCHARGE (CFS)	DESIGN STORM (YEARS)	RUNOFF COEFFICIENT C (POST)	PIPE MATERIAL	PIPE SLOPE (%)	VELOCITY (F/S)
A-1	A-2	N/A	N/A	N/A	N/A	0.83	25	N/A	N/A	N/A	3.26
A-2	N/A	1	18	23	0.12	N/A	25	0.78	RCP	1.00%	N/A
B-1A	B-1	N/A	N/A	N/A	N/A	3.96	25	N/A	N/A	N/A	5.01
B-1	B-2; B-3C	2	18	11	N/A	3.52	25	N/A	RCP	1.00%	4.07
B-2	N/A	N/A	N/A	N/A	0.16	N/A	25	0.78	N/A	N/A	N/A
B-3C	B-3B	3	18	253	N/A	2.69	25	N/A	RCP	3.82%	3.56
B-3B	B-3; B-3D	4	18	253	N/A	2.69	25	N/A	RCP	3.82%	3.56
B-3	N/A	N/A	N/A	N/A	0.12	N/A	25	0.78	N/A	N/A	N/A
B-3D	B-3A; B-4A	5	18	253	N/A	2.36	25	N/A	RCP	5.06%	3.56
B-3A	N/A	6	18	87	0.35	N/A	25	0.79	RCP	2.55%	N/A
B-4A	B-4; B-5A	7	18	199	N/A	2.36	25	N/A	RCP	5.06%	3.57
B-4	N/A	N/A	N/A	N/A	0.11	N/A	25	0.82	N/A	N/A	N/A
B-5A	B-5; B-6A	8	18	199	N/A	1.93	25	N/A	RCP	4.30%	3.28
B-5	N/A	N/A	N/A	N/A	0.13	N/A	25	0.84	N/A	N/A	N/A
B-6A	B-6B; B-6	9	18	226	N/A	1.76	25	N/A	RCP	2.50%	3.31
B-6	N/A	N/A	N/A	N/A	0.11	N/A	25	0.38	N/A	N/A	N/A
B-6B	B-7A	10	18	226	N/A	1.56	25	N/A	RCP	2.74%	3.31
B-7A	B-7; B-8A	11	18	95	N/A	1.56	25	N/A	RCP	2.74%	3.18
B-7	N/A	N/A	N/A	N/A	0.13	N/A	25	0.36	N/A	N/A	N/A

STRUCTURE	UPSTREAM STRUCTURE	PIPE NUMBER	PIPE SIZE (INCHES)	PIPE LENGTH (FEET)	D.A. (ACRES)	DISCHARGE (CFS)	DESIGN STORM (YEARS)	RUNOFF COEFFICIENT C (POST)	PIPE MATERIAL	PIPE SLOPE (%)	VELOCITY (F/S)
B-8A	B-8; B-9A	12	18	106	N/A	1.5	25	N/A	RCP	2.14%	3.22
B-8	N/A	N/A	N/A	N/A	0.04	N/A	25	0.6	N/A	N/A	N/A
B-9A	B-9; B-10A	13	18	101	N/A	1.3	25	N/A	RCP	2.08%	2.99
B-9	N/A	N/A	N/A	N/A	0.07	N/A	25	0.65	N/A	N/A	N/A
B-10A	B-10; B-11A	14	18	100	N/A	0.86	25	N/A	RCP	2.12%	2.45
B-10	B-11A	N/A	N/A	N/A	0.13	N/A	25	0.68	N/A	N/A	N/A
B-11A	B-11	15	18	164	N/A	N/A	25	N/A	RCP	2.12%	N/A
B-11	N/A	N/A	N/A	N/A	0.14	N/A	25	0.78	N/A	N/A	N/A
C-1	C-2	N/A	N/A	N/A	N/A	7.57	25	N/A	N/A	N/A	6.05
C-2	N/A	16	18	6	0.16	N/A	25	0.78	RCP	1.00%	N/A
D-1	D-2	N/A	N/A	N/A	N/A	37.31	25	N/A	N/A	N/A	11.88
D-2	D-3; D-2A	17	24	7	0.07	40	25	0.85	RCP	0.30%	12.75
D-3	N/A	18	18	58	0.08	0.56	25	0.67	RCP	3.66%	11.43
D-2A	N/A	19	24	36	0.1	N/A	25	0.79	RCP	3.19%	N/A
E-1	E-2	N/A	N/A	N/A	N/A	2.1	25	N/A	N/A	N/A	4.23
E-2	E-3	20	18	19	0.12	1.72	25	0.78	RCP	1.00%	3.18
E-3	E-4	21	18	199	0.17	1.27	25	0.62	RCP	3.30%	7.82
E-4	E-5	22	18	202	0.17	0.8	25	0.62	RCP	7.14%	2.36
E-5	N/A	23	18	201	0.14	N/A	25	0.65	RCP	6.66%	N/A



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTICAL: 1" = 10'

REVISION DATES

DRAINAGE PROFILES

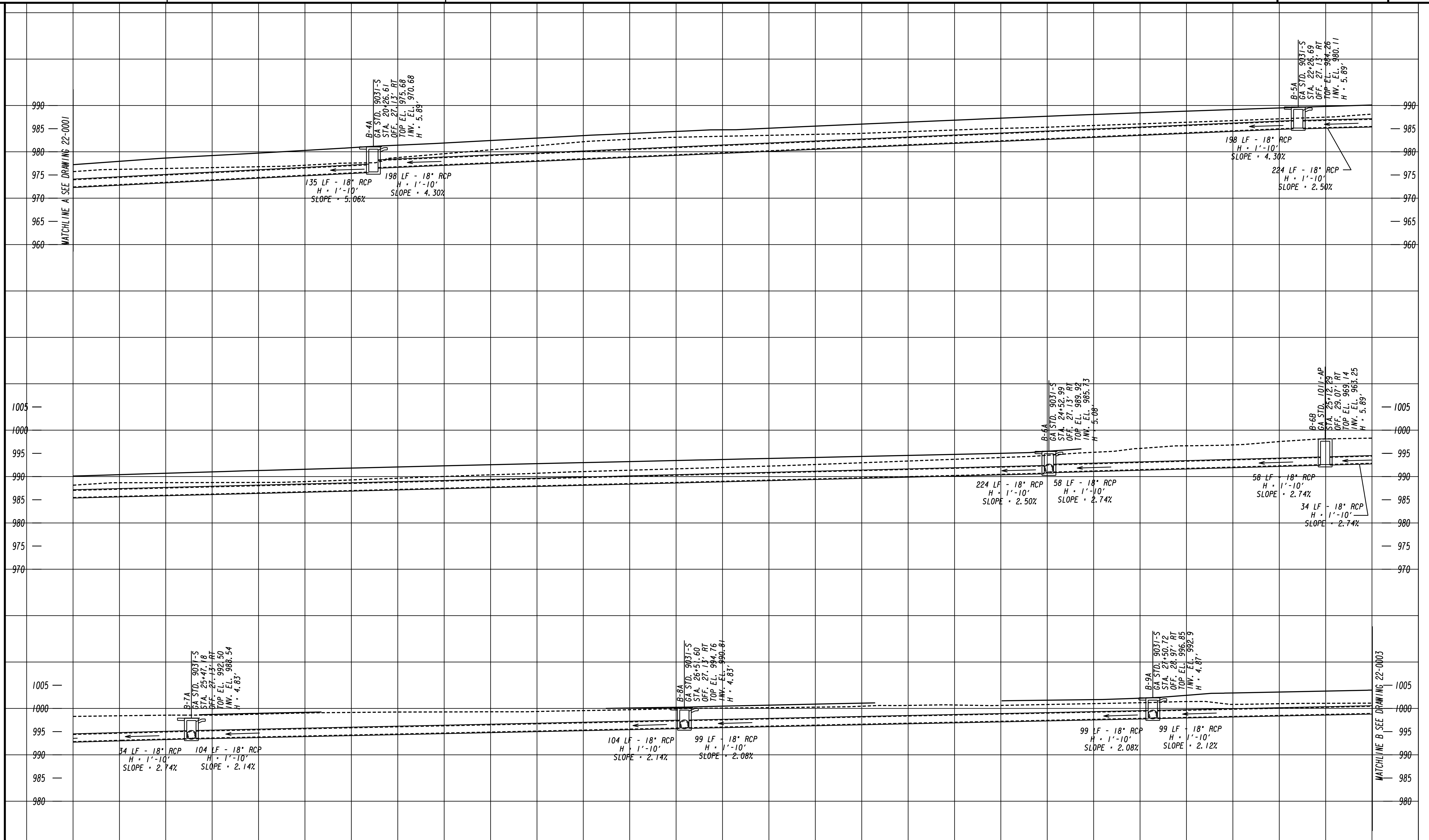
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 22-0001

1/28/2020 5:28:56 PM GPLOT-V8 2016042_22.dgn
clay.mckinney gplotborder-V8I-PO.tbl

P.I. No.



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTICAL: 1" = 10'

REVISION DATES

DRAINAGE PROFILES

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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CORRECTED:		DATE:	
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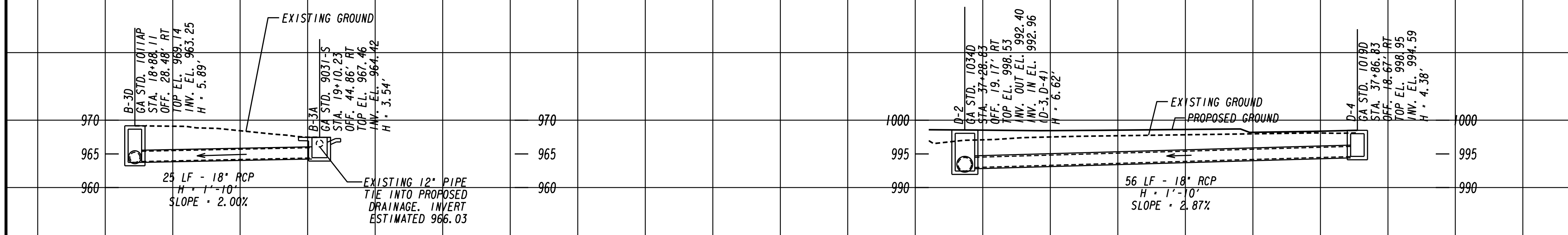
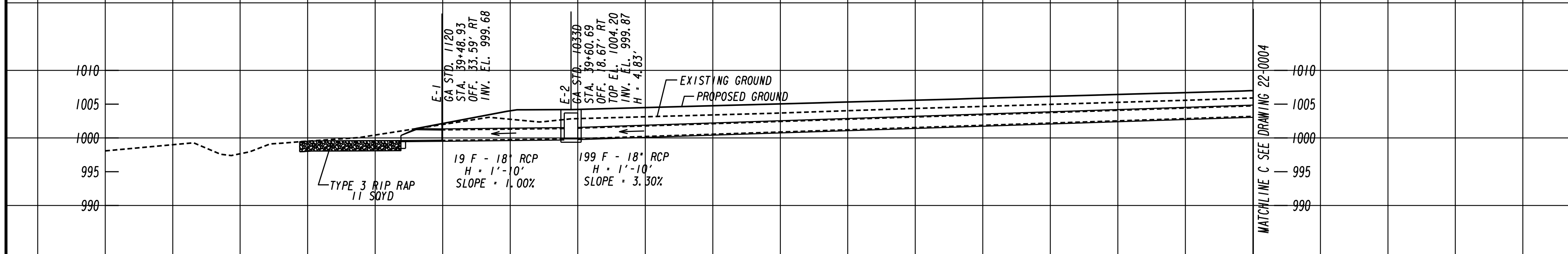
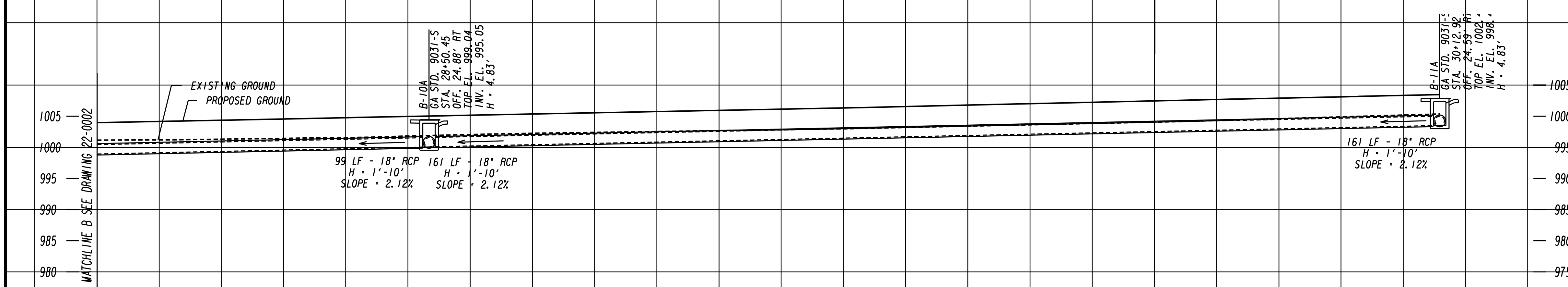
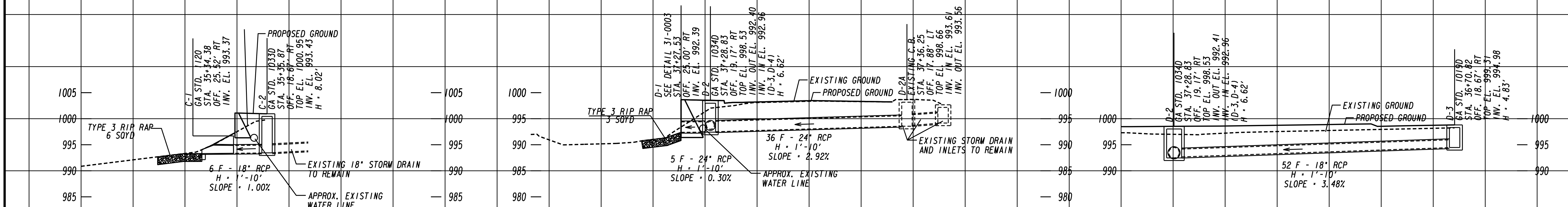
DRAWING No.
22-0002

4/28/2016 GPLN









STRUCTURE	STRUCTURE TYPE	DESIGN STORM	GUTTER SPREAD
A-2	SWCB	10-YR	2.88
B-2	SWCB	10-YR	2.6
B-3	SWCB	10-YR	1.83
B-3A	DROP INLET	25-YR	N/A
B-4	SWCB	10-YR	1.75
B-5	SWCB	10-YR	2.15
B-6	SWCB	10-YR	1.52
B-7	SWCB	10-YR	6.89
B-8	SWCB	10-YR	5.01
B-9	SWCB	10-YR	6.23
B-10	SWCB	10-YR	2.57
B-11	SWCB	10-YR	2.69
C-2	SWCB	10-YR	3.85
D-2	DWCB	10-YR/25-YR	0.65/0.73
D-2A	SWCB (EX INLET)	10-YR	5.19
D-2A	DROP INLET	25-YR	N/A
D-3	SWCB	10-YR	1.86
D-4	SWCB	10-YR	2.01
E-2	SWCB	10-YR	1.98
E-3	SWCB	10-YR	1.88
E-4	SWCB	10-YR	1.68
E-5	SWCB	10-YR	1.81

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTICAL: 1" = 10'

REVISION DATES

DRAINAGE PROFILES

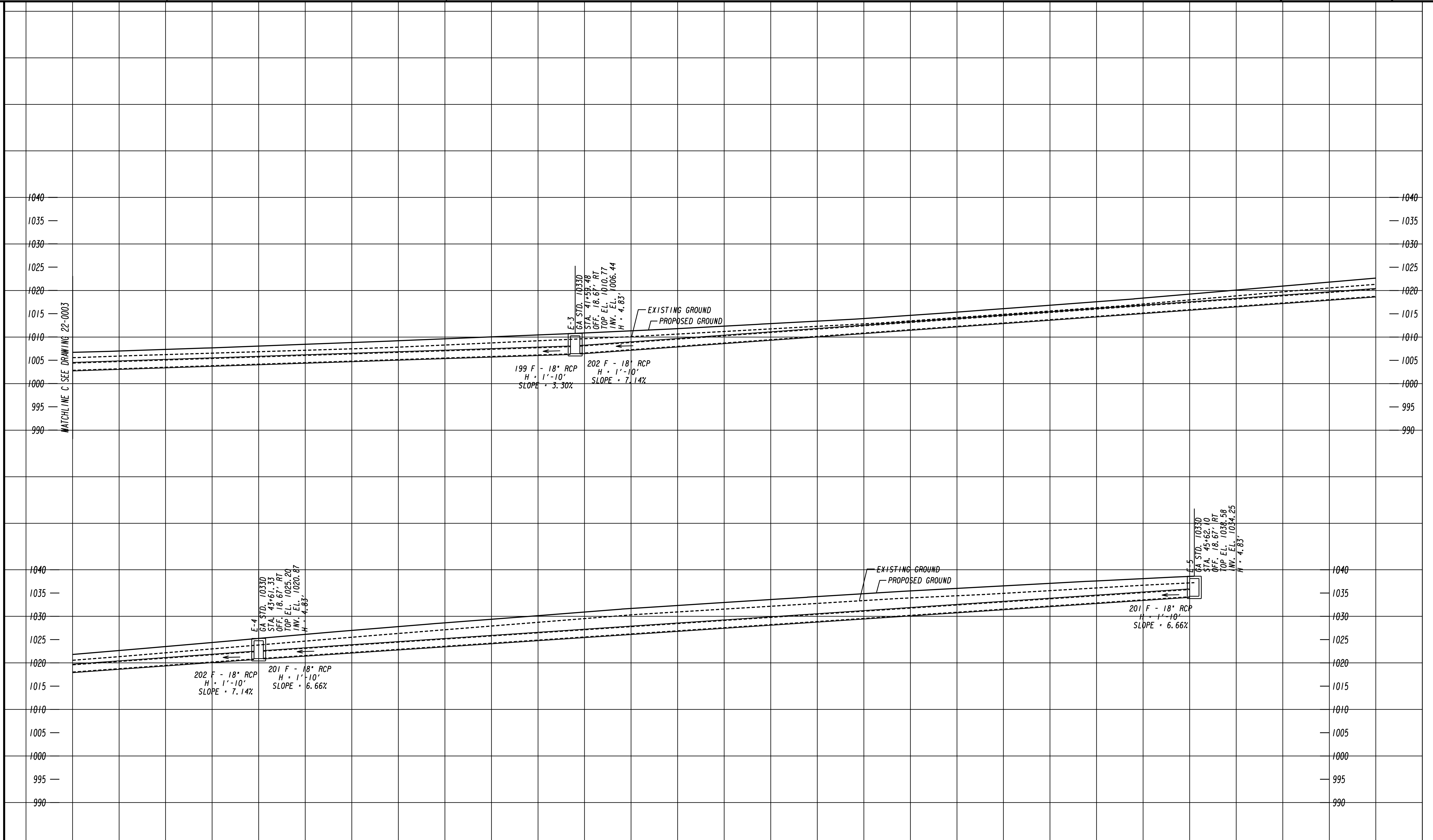
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 22-0003

1/28/2020 5:29:31 PM GPLOT-V8 2016042_22.dgn
clay.mckinney gplotborder-V8I-PO.tbl

P.I. No.



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTICAL: 1" = 10'

REVISION DATES

DRAINAGE PROFILES

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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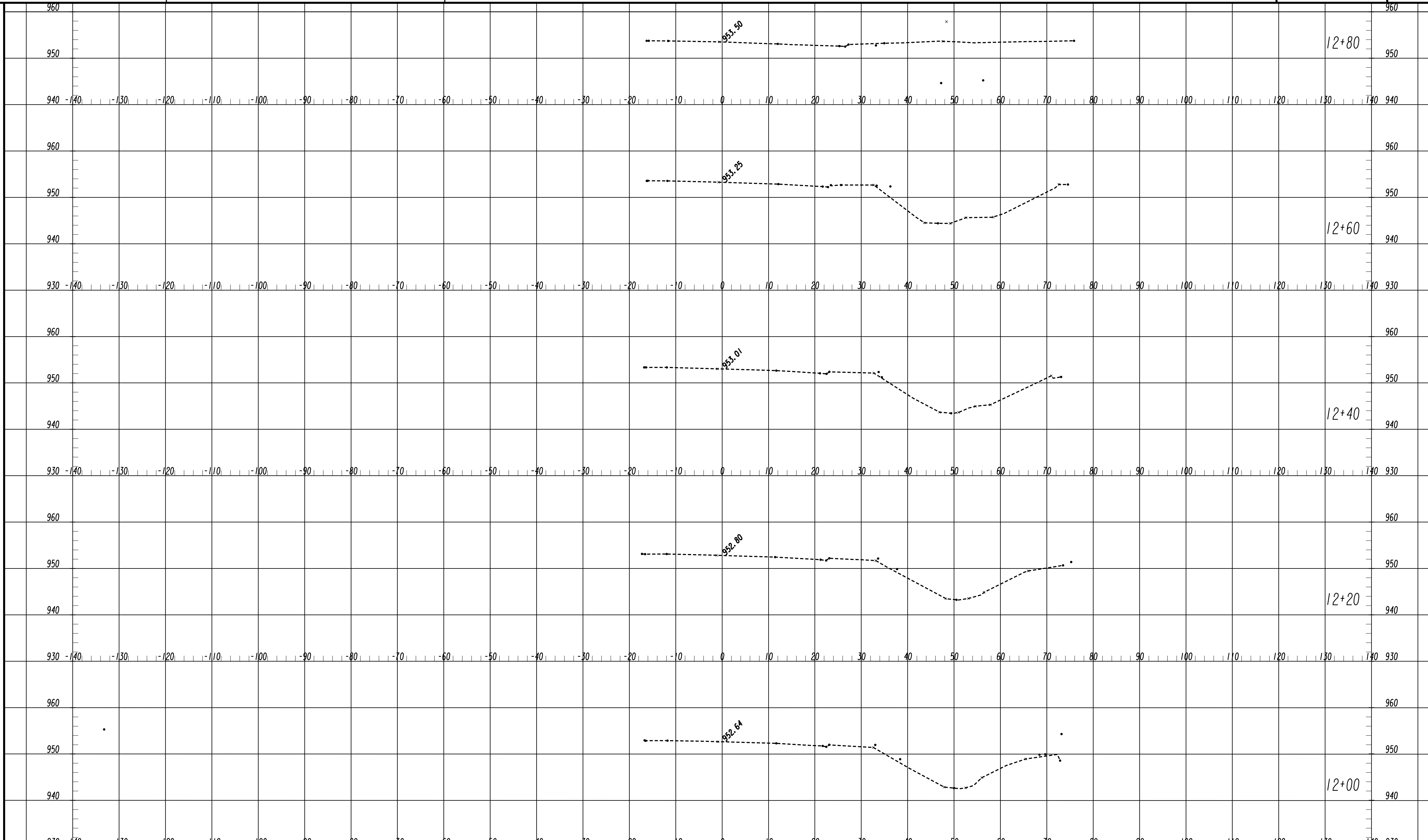
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.

22-0004

4/28/2016 GPLN



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

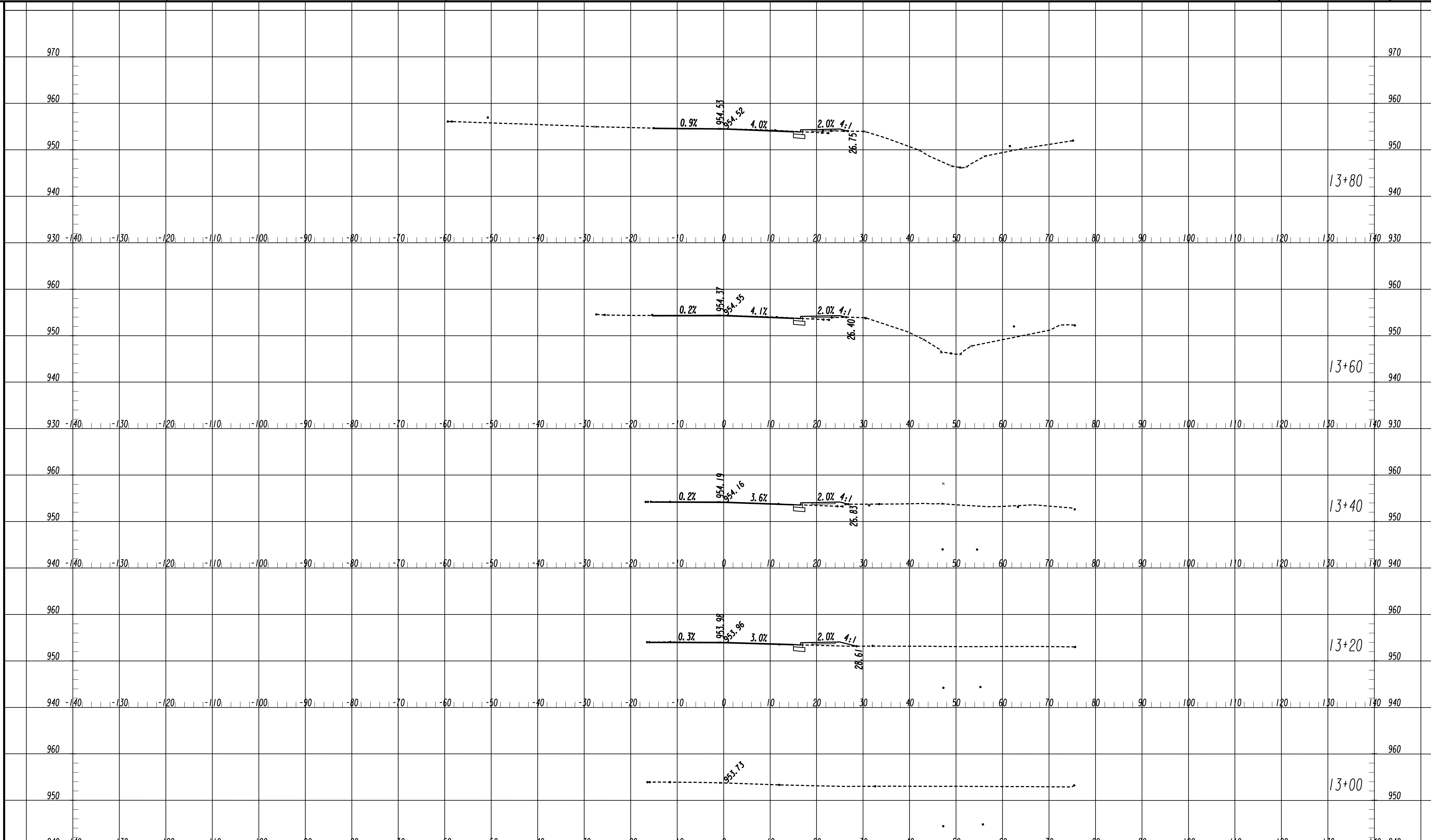
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0001

1/27/2020 4:25:12 PM | GPLOT-V8 | 2016042_23.dgn | P.I. No.
clay.mckinney | gplotborder-V8I-PO.tbl



REVISION DATES		

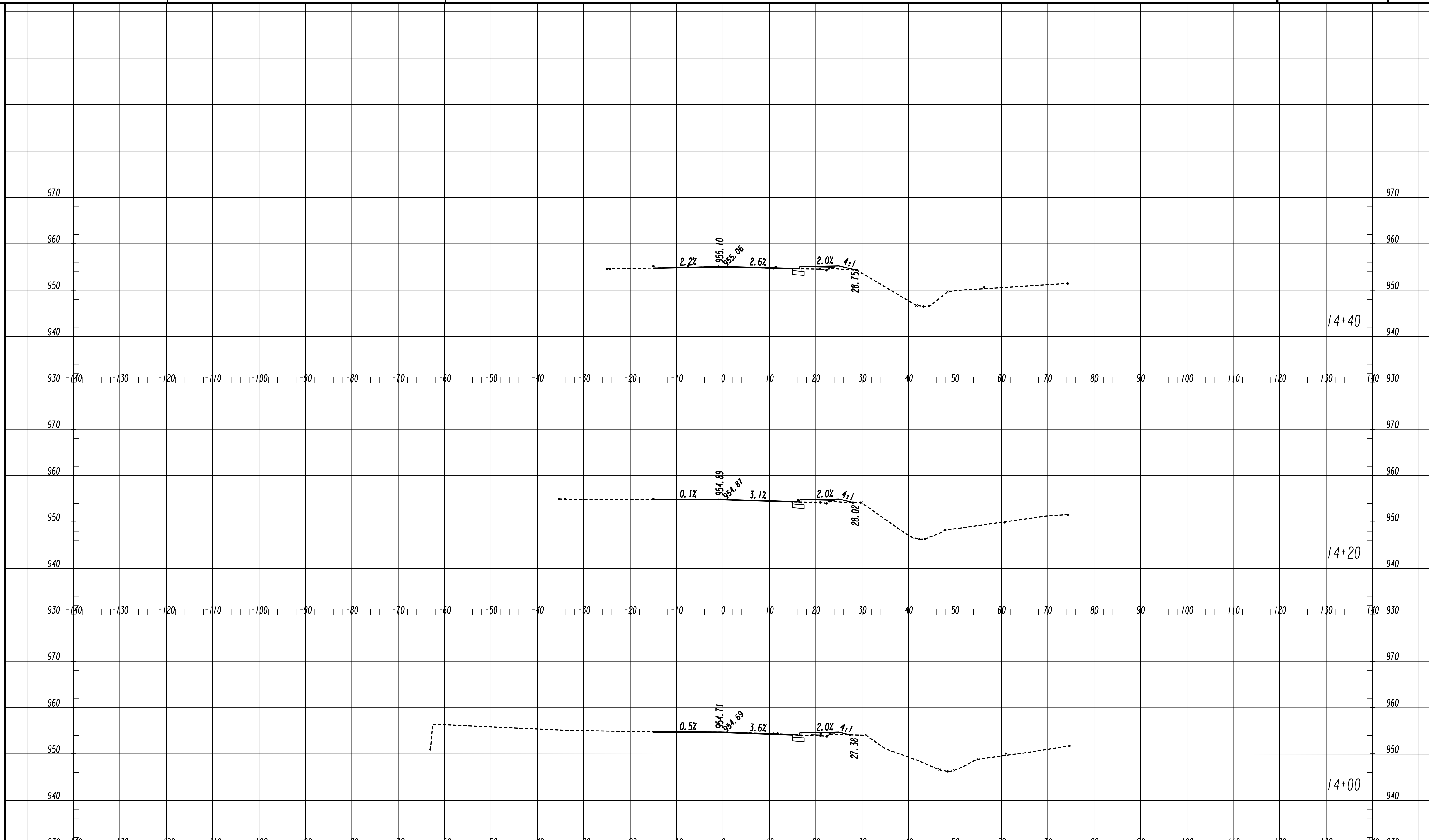
CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0003

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clay.mckinney gplotborder-V8I-PO.tbl

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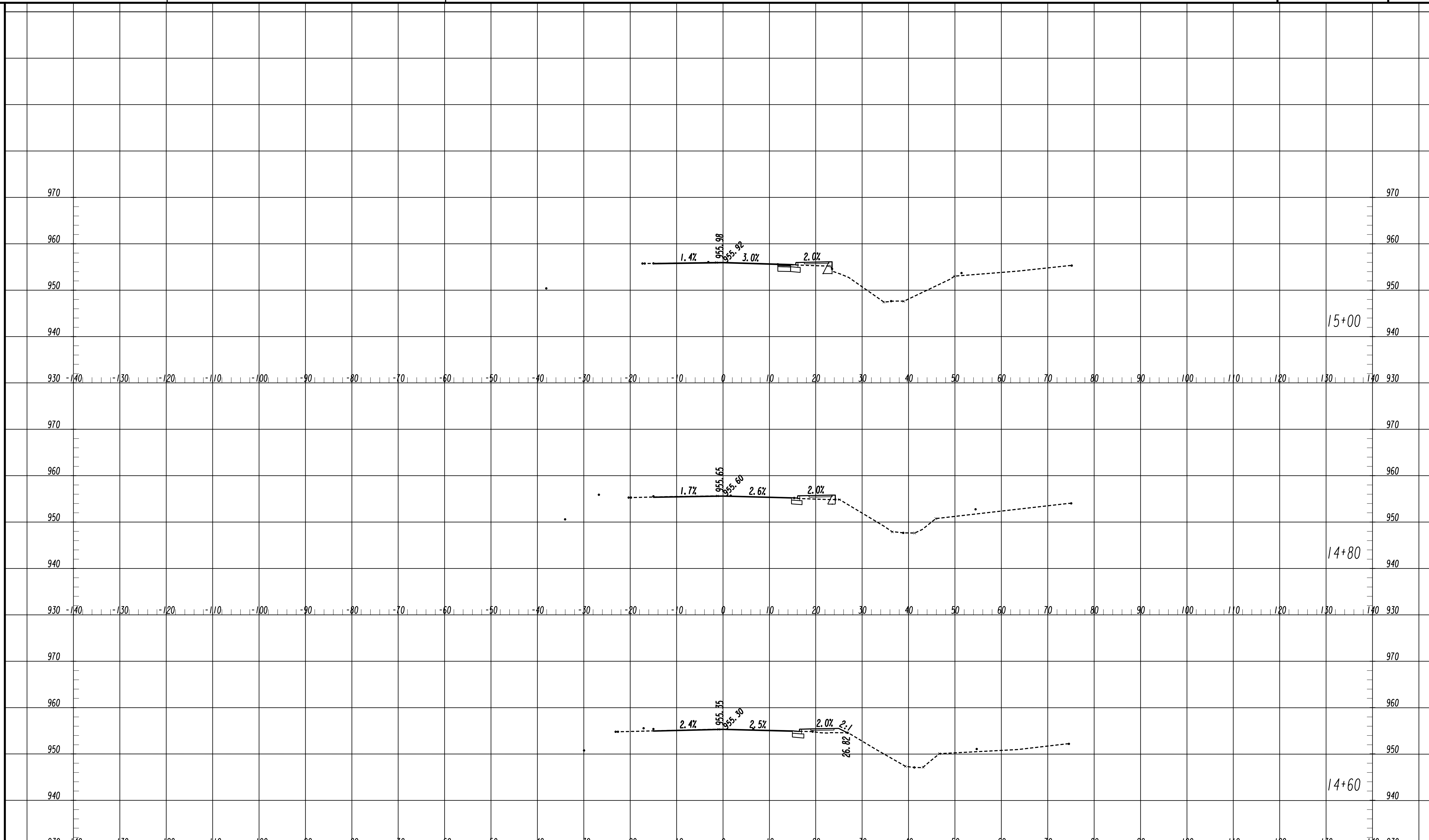


CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

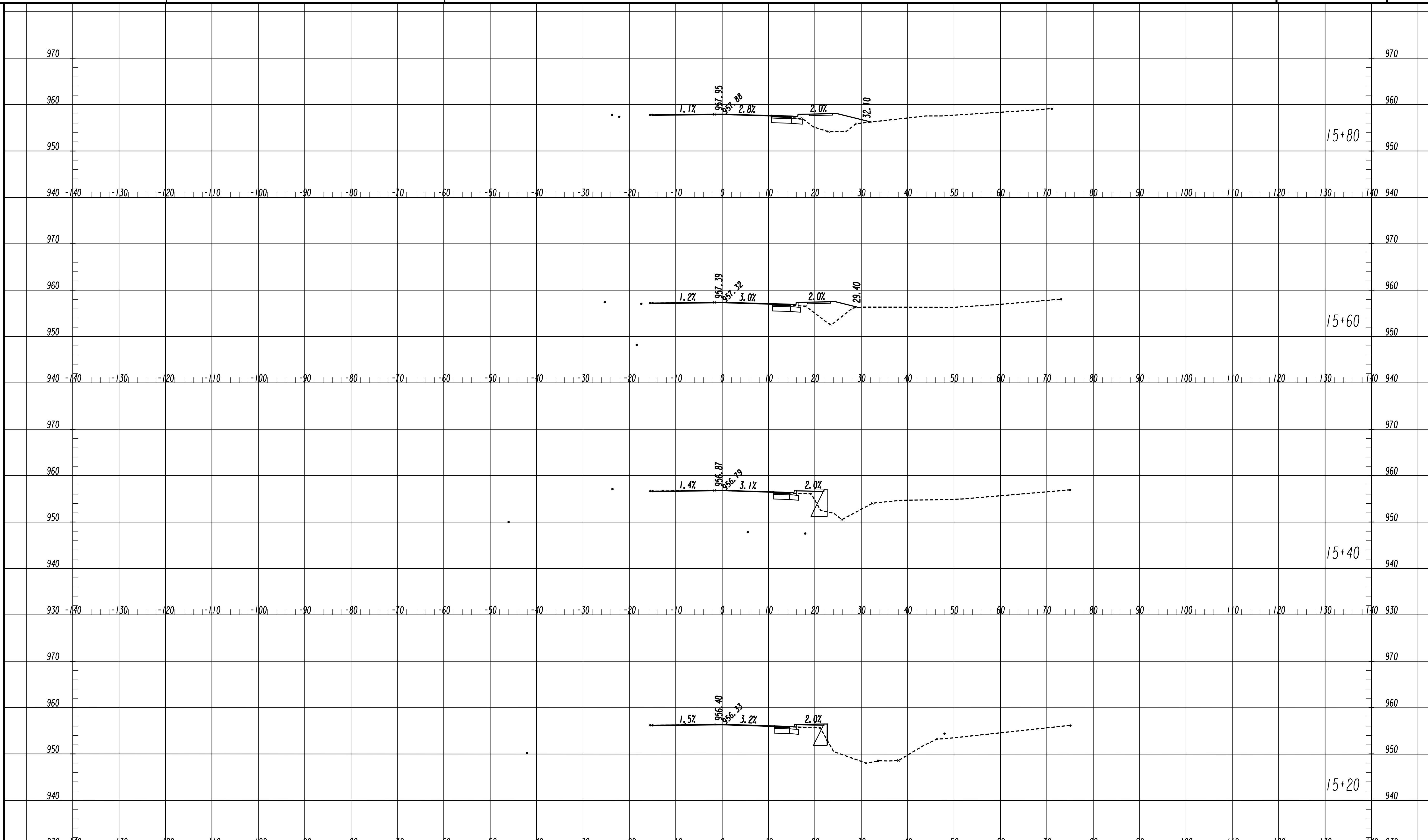
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0004

7/31/2015 SUXSEW



CALYX
ENGINEERS + CONSULTANTS

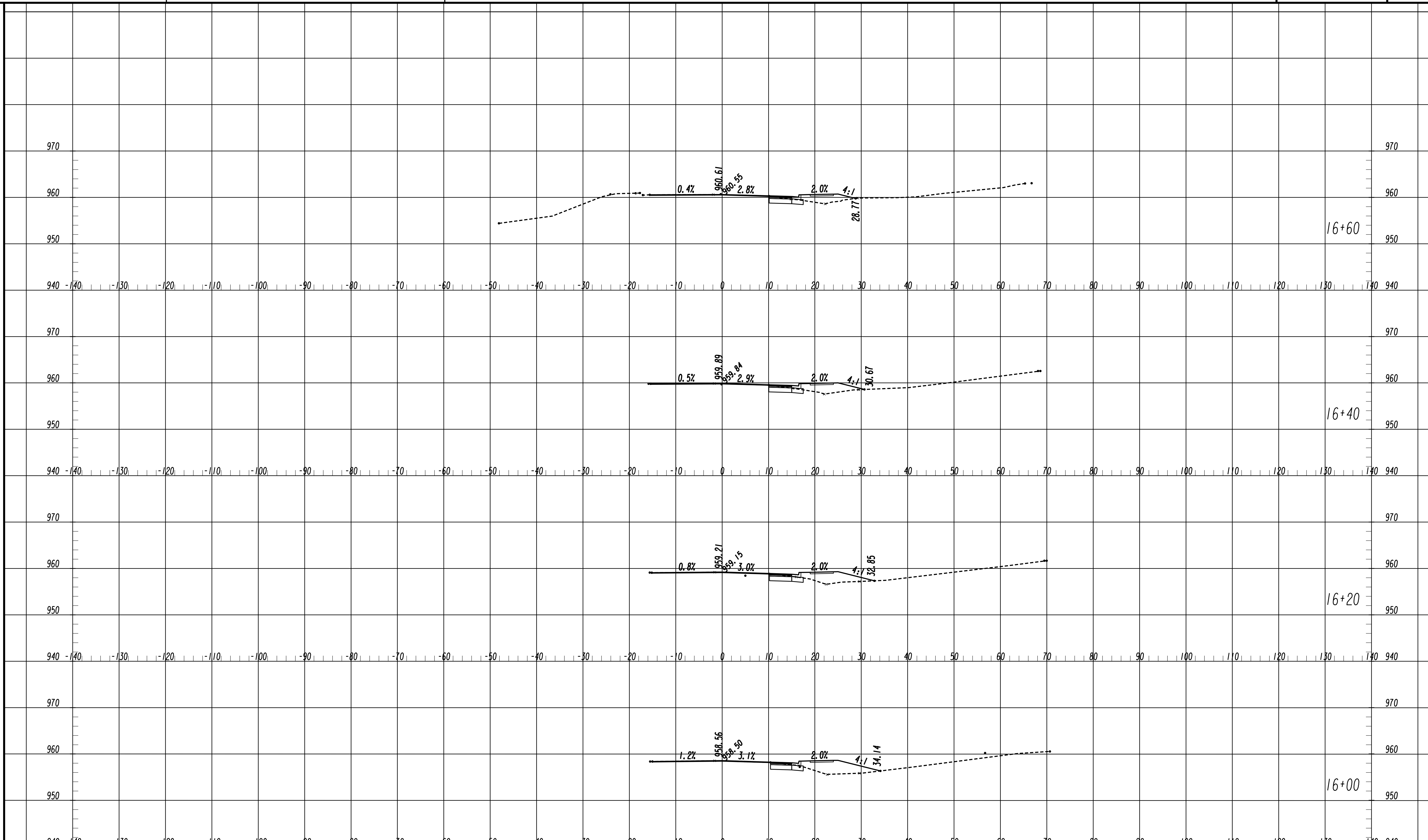
HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0005



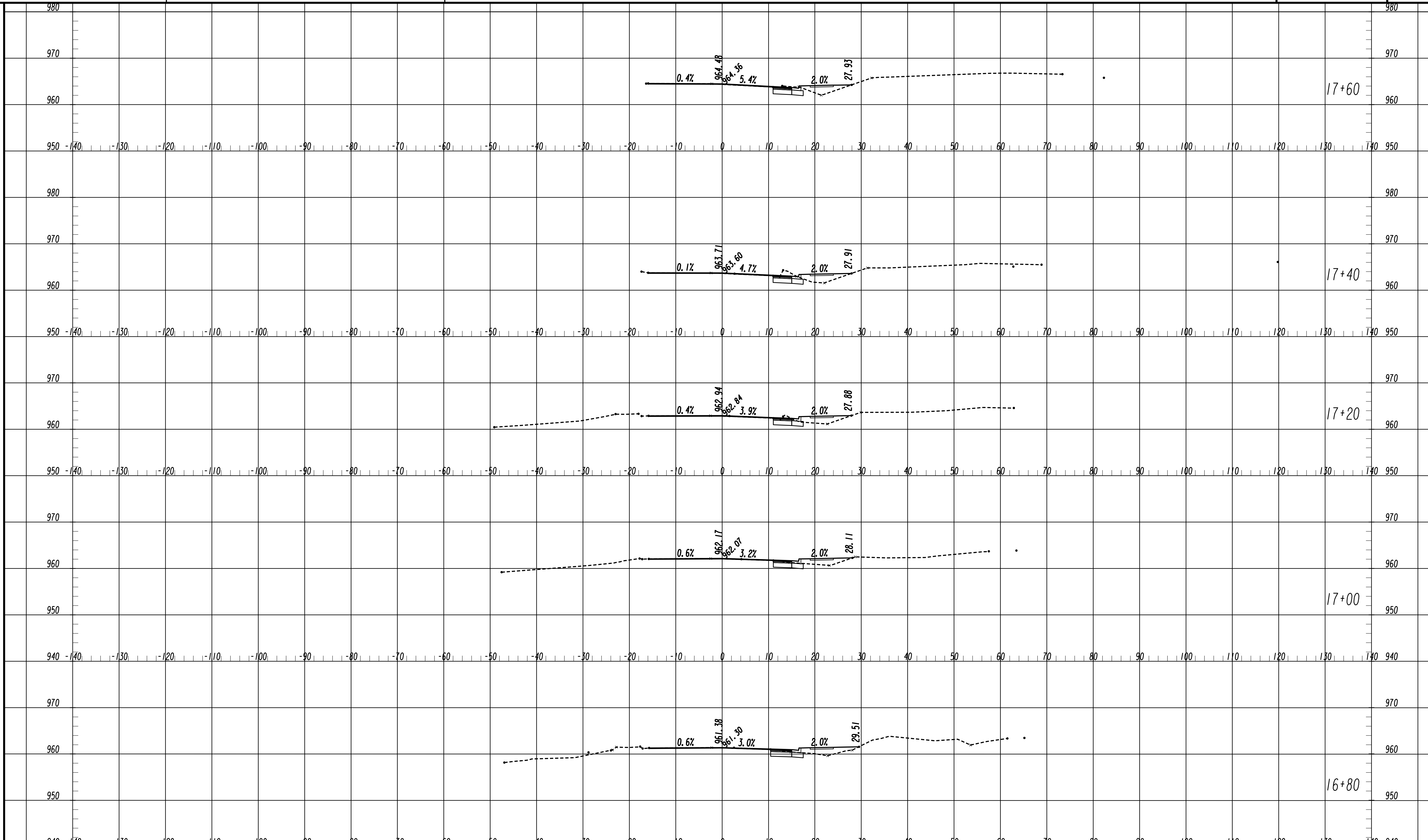
REVISION DATES

CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
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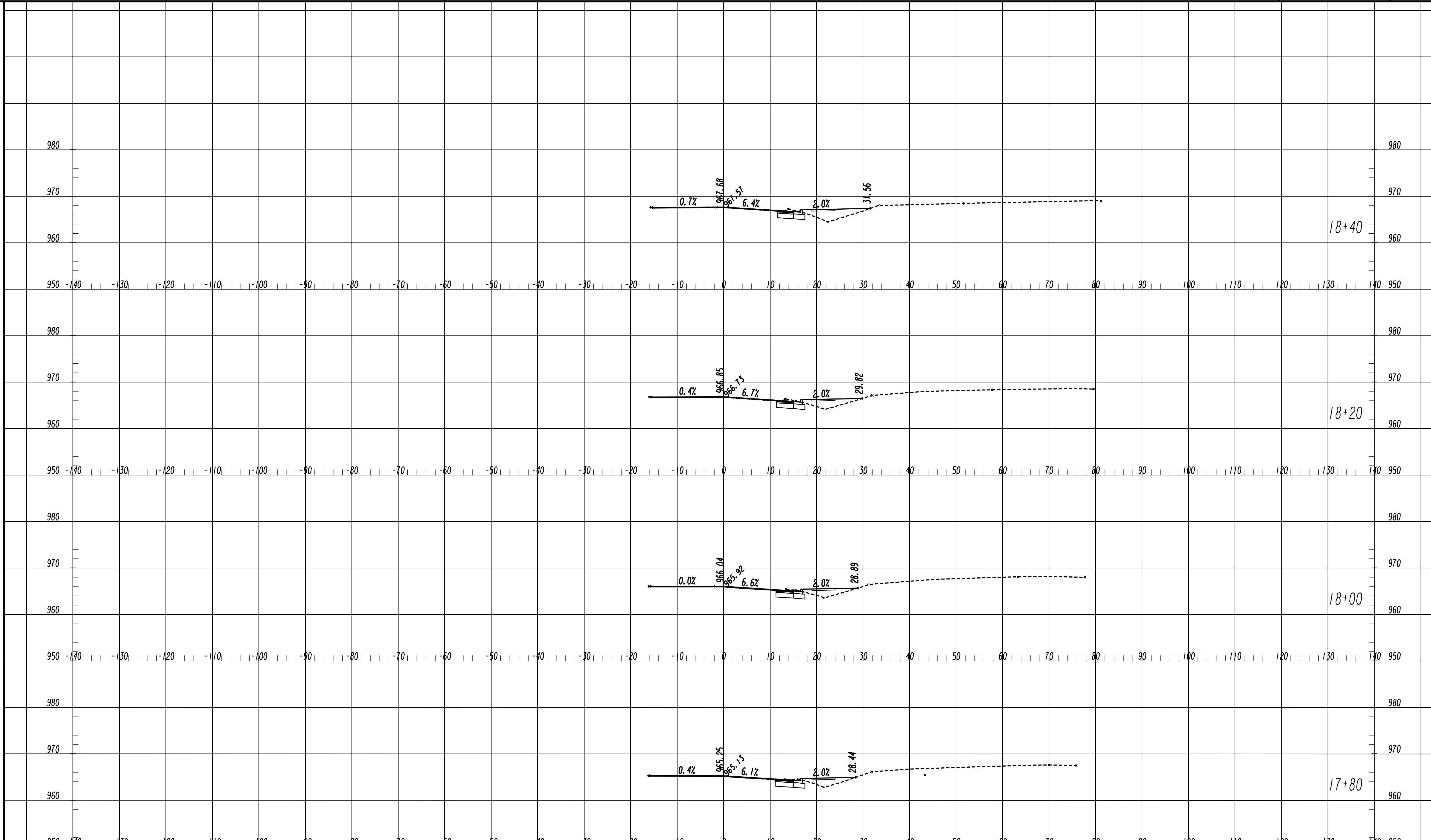
DRAWING No. 23-0007



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
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DRAWING No.
23-0008

7/31/2015 SUYSEW

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clay.mckinney gplotborder-V8I-PO.tbl

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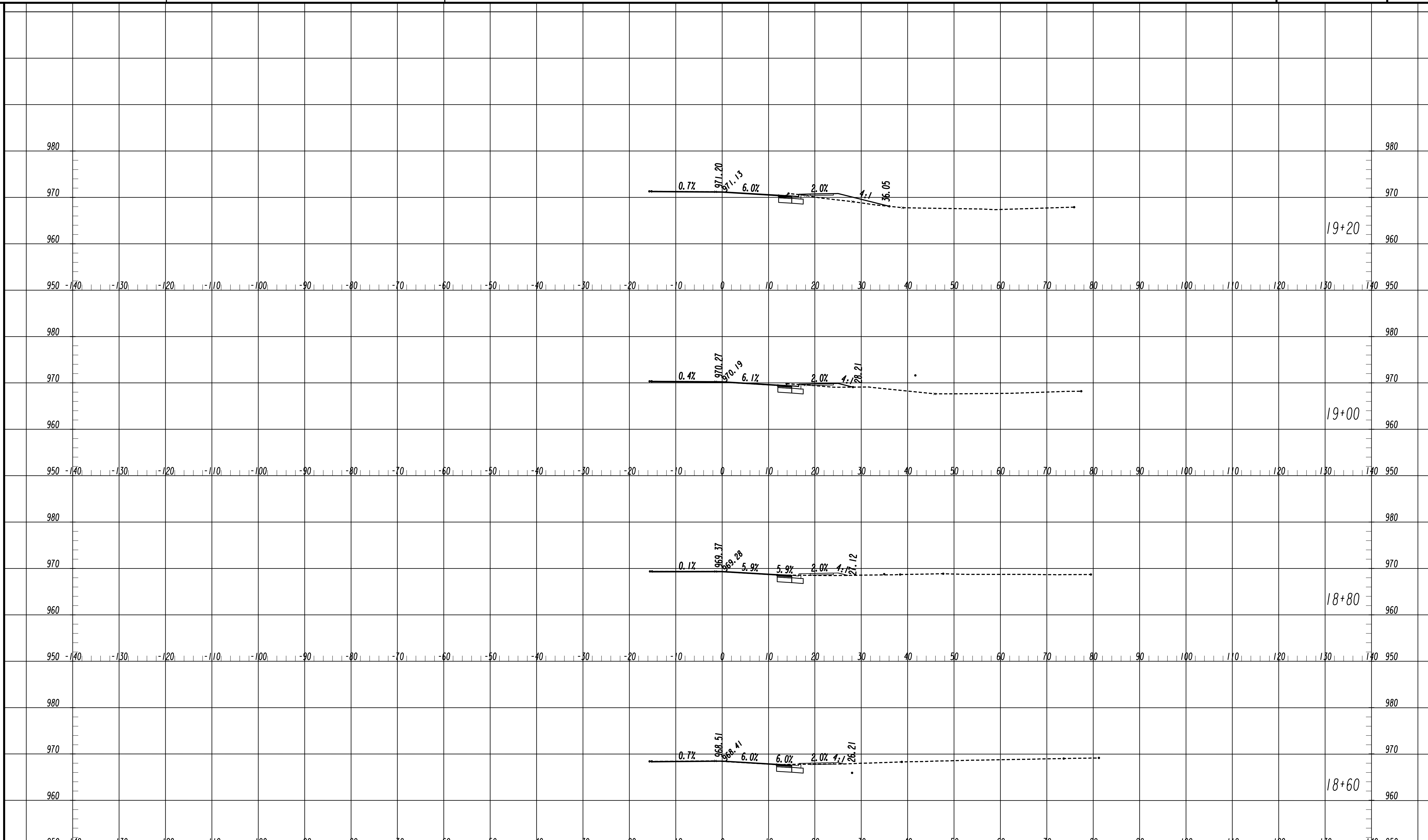

CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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DRAWING No.
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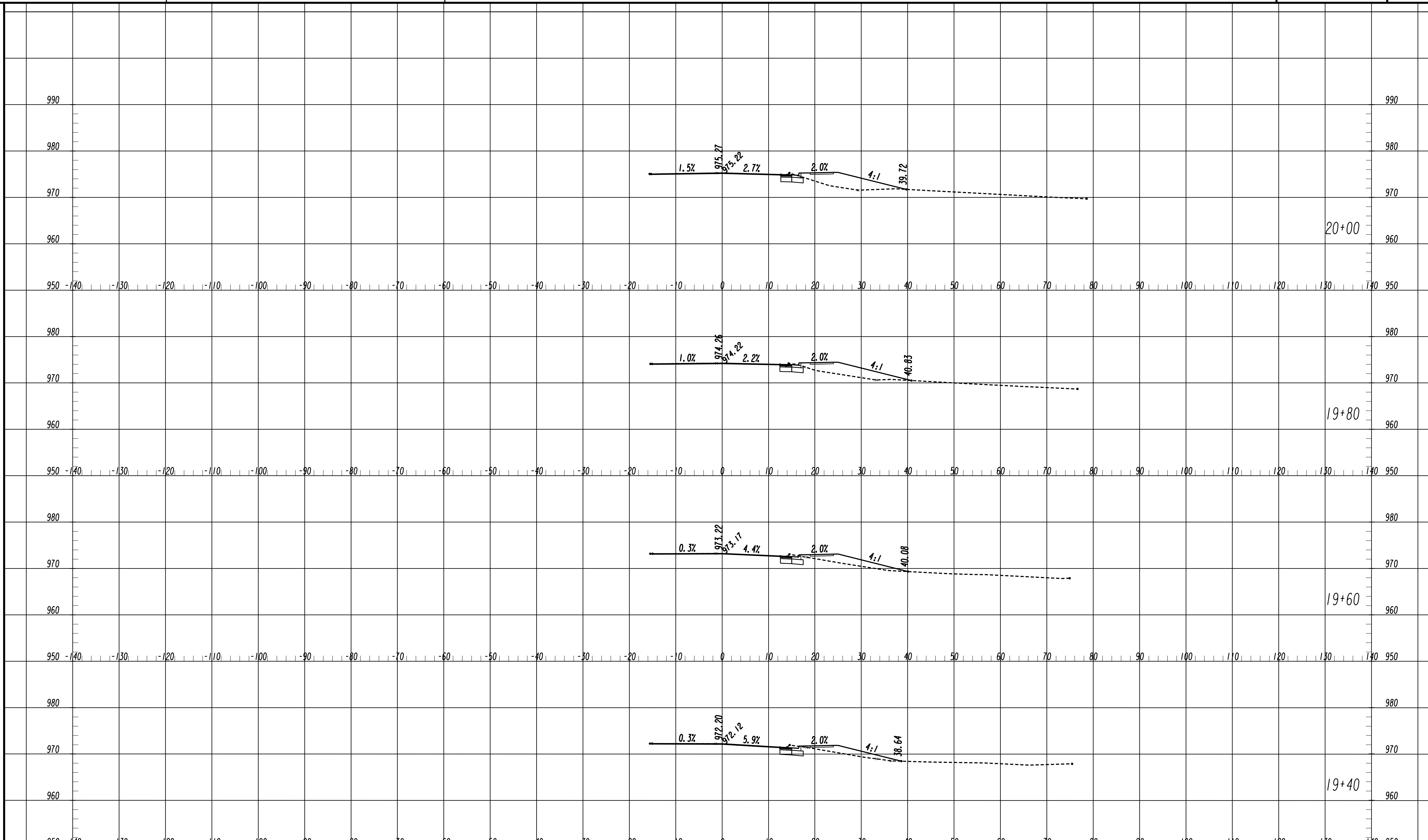
7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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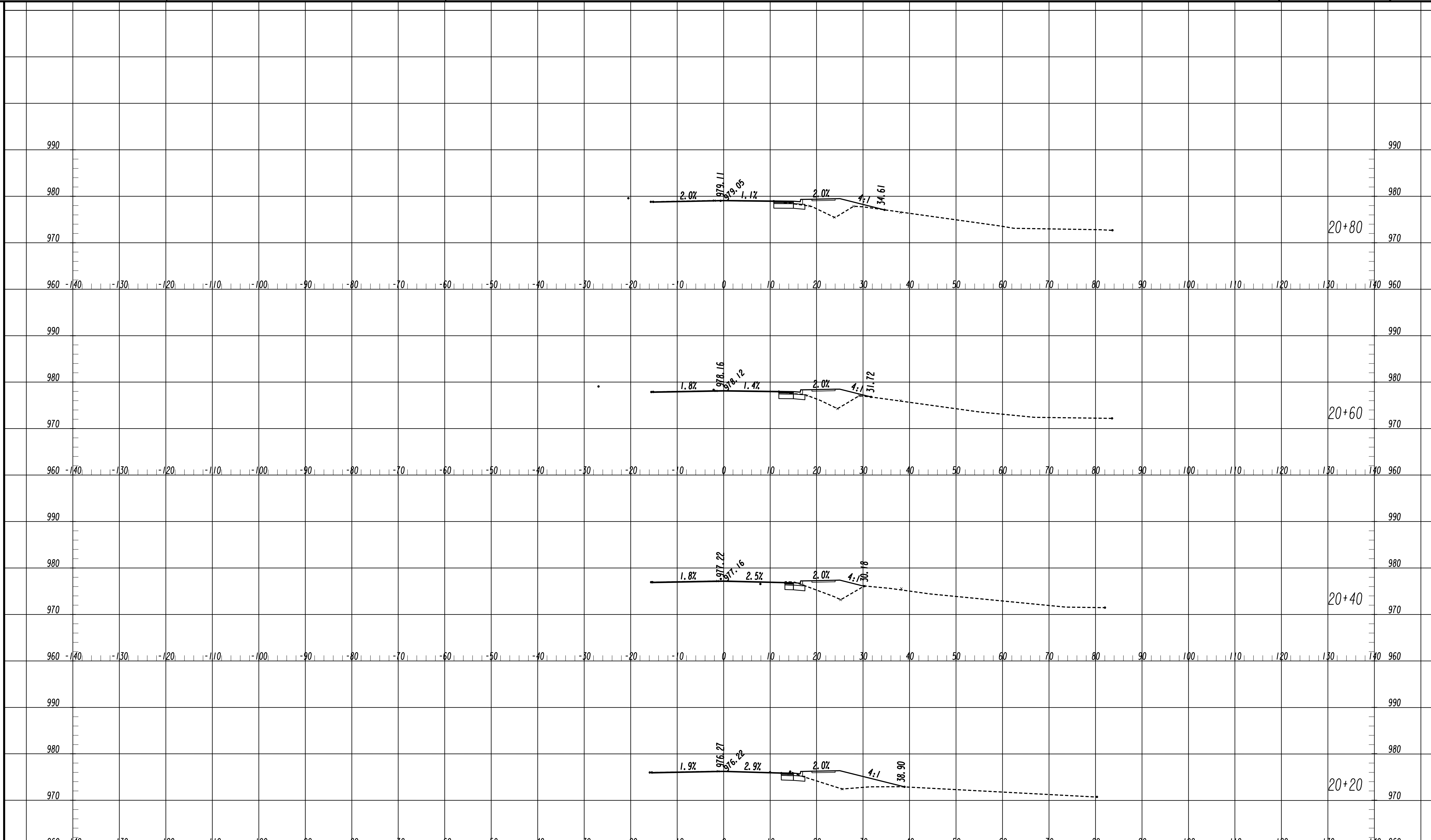
DRAWING No.
23-0010



REVISION DATES

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0011
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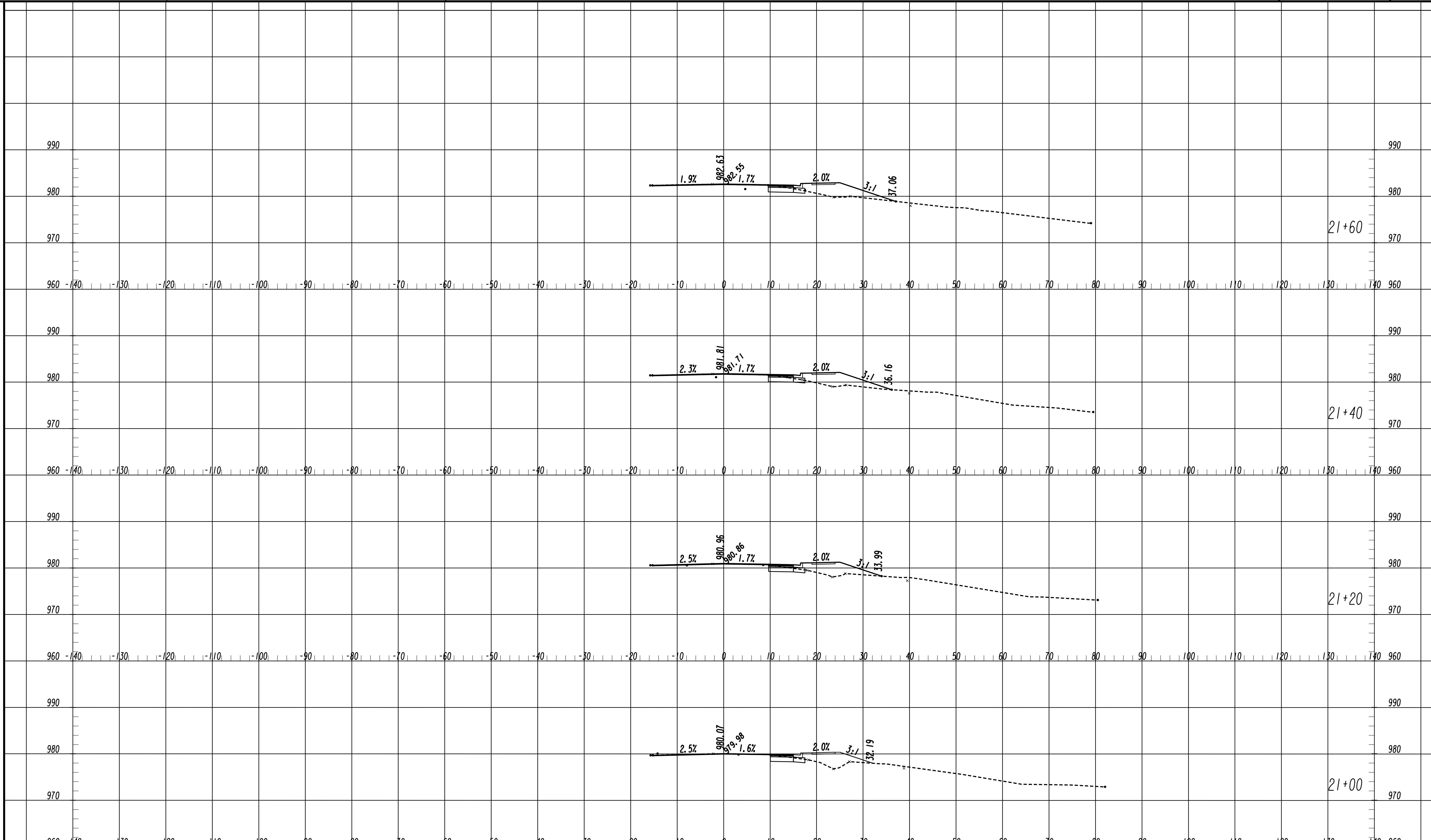

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
23-0012

7/31/2015 SUXSEW

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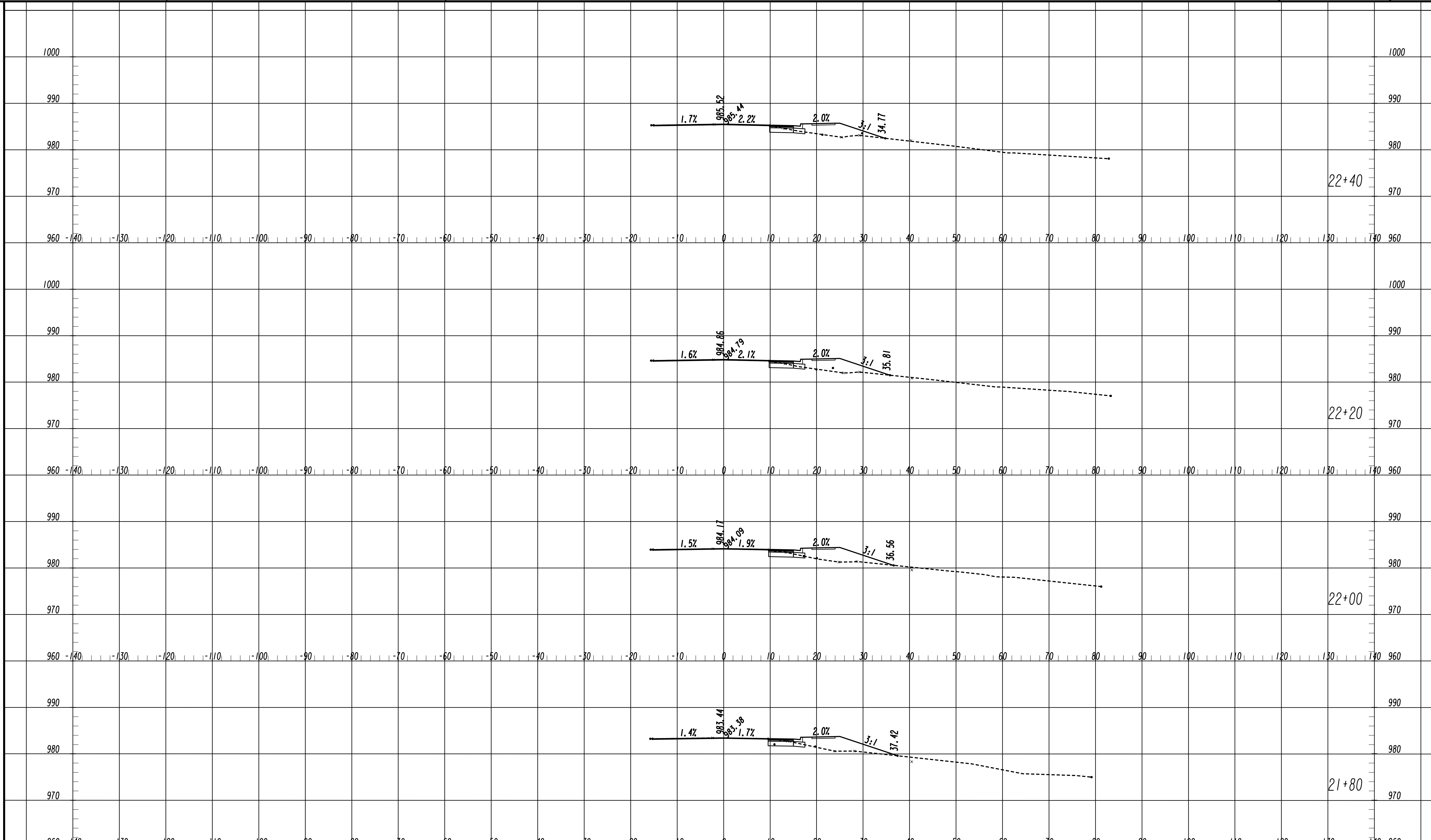
clay.mckinney | gplotborder-V8I-PO.tbl



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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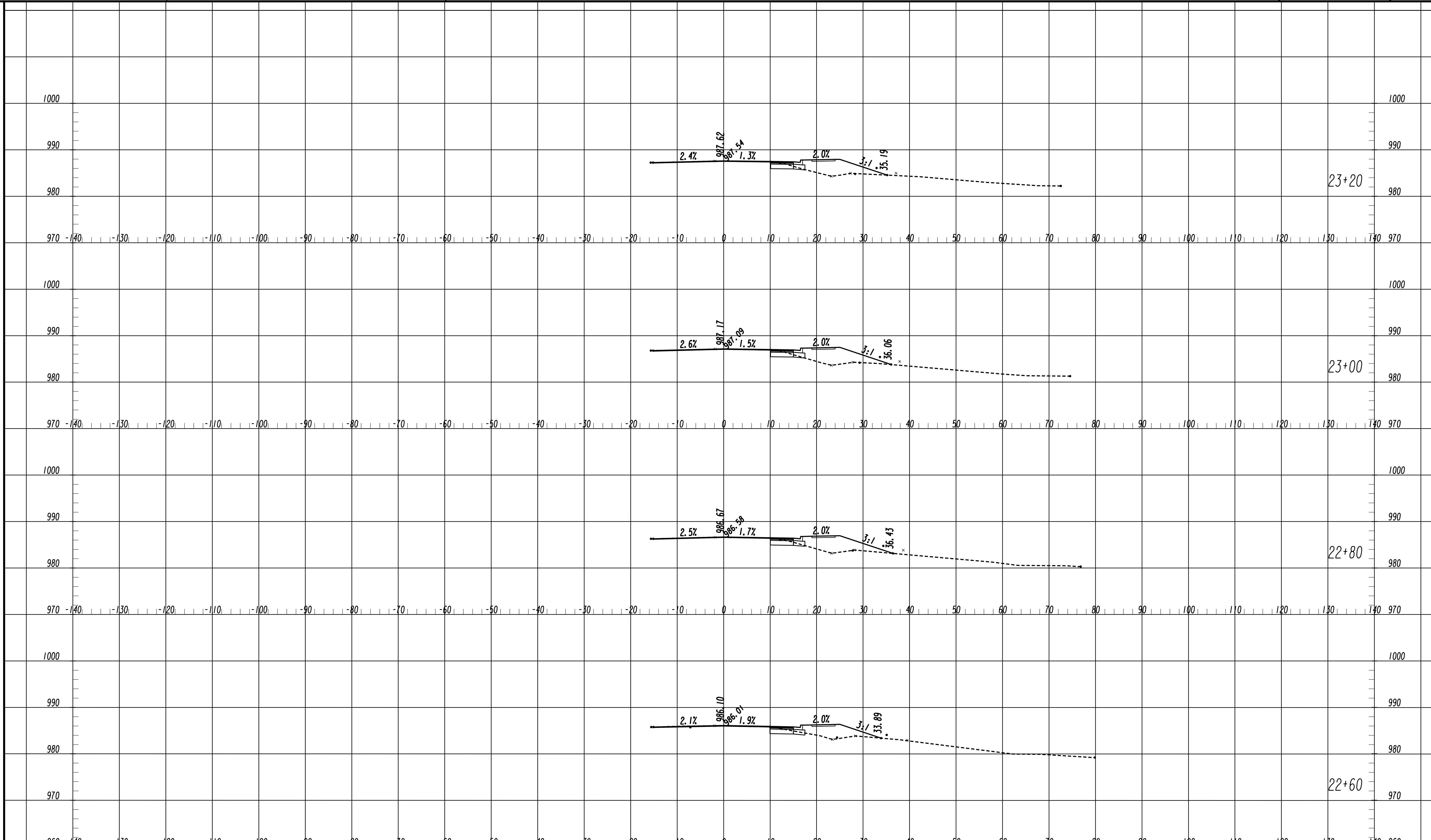
DRAWING No.
23-0013

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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DRAWING No.
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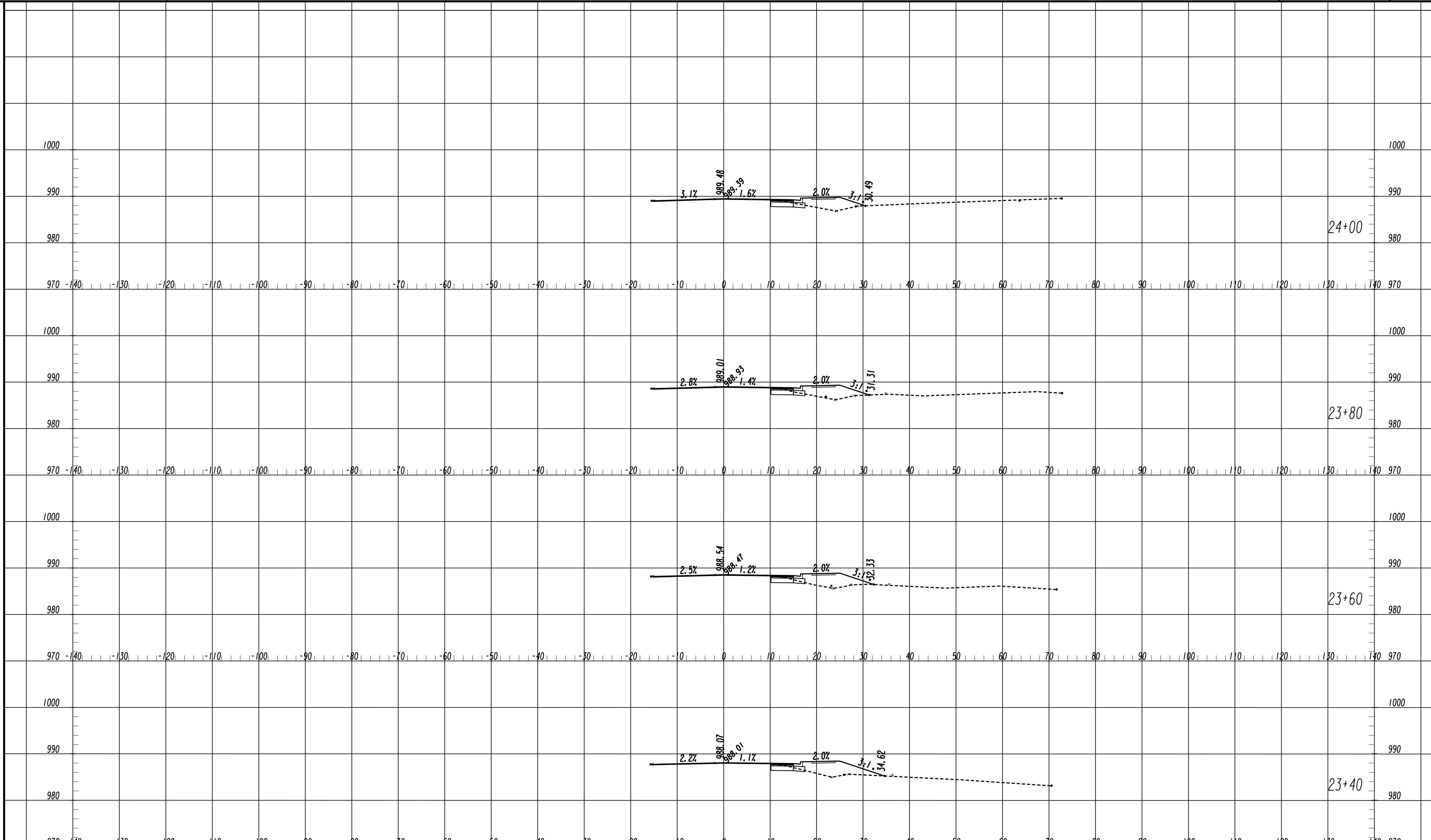

CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
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DRAWING No.
23-0015

7/31/2015 SUXSEW

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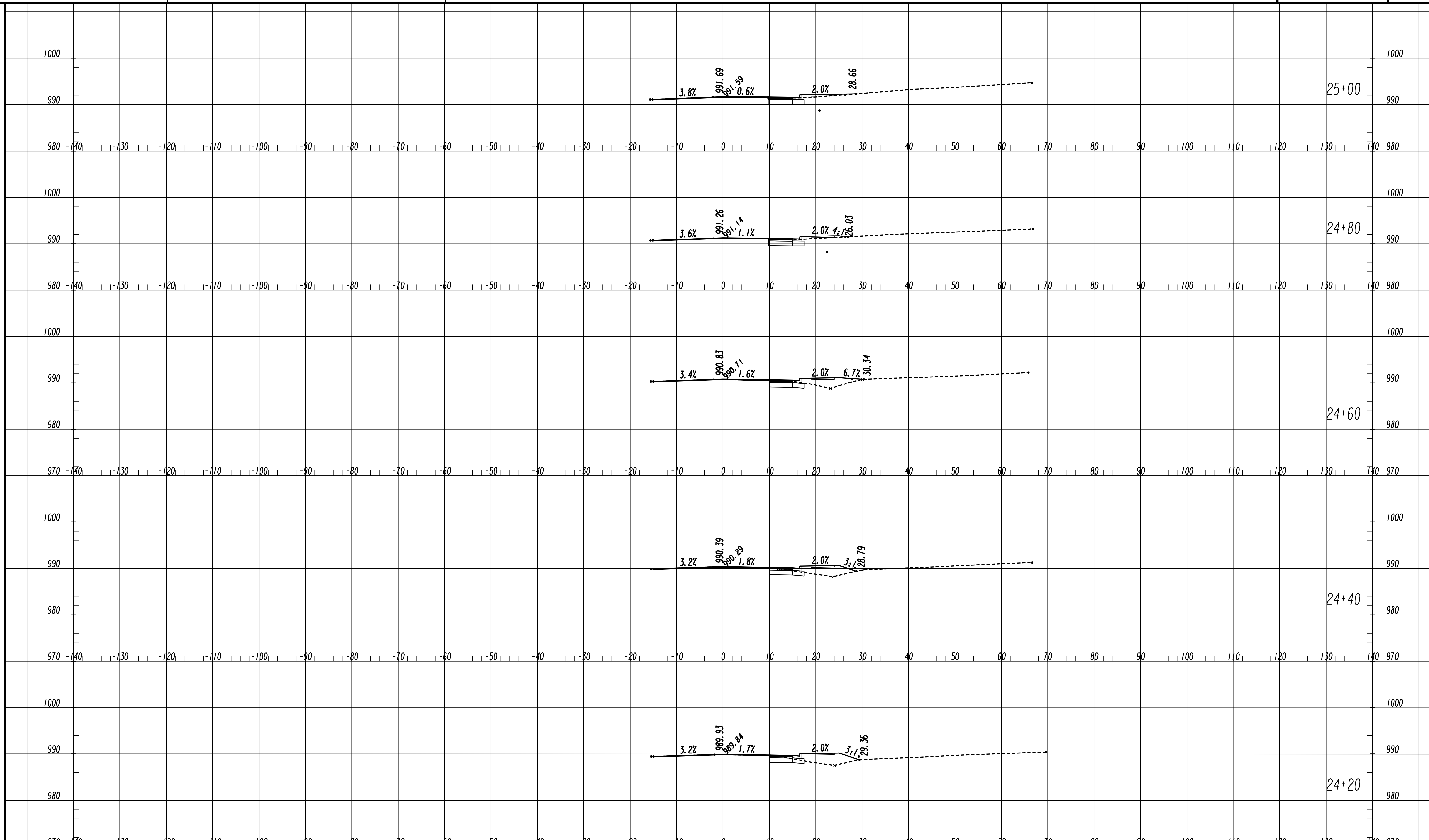

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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DRAWING No.
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7/31/2015 SUXSEW

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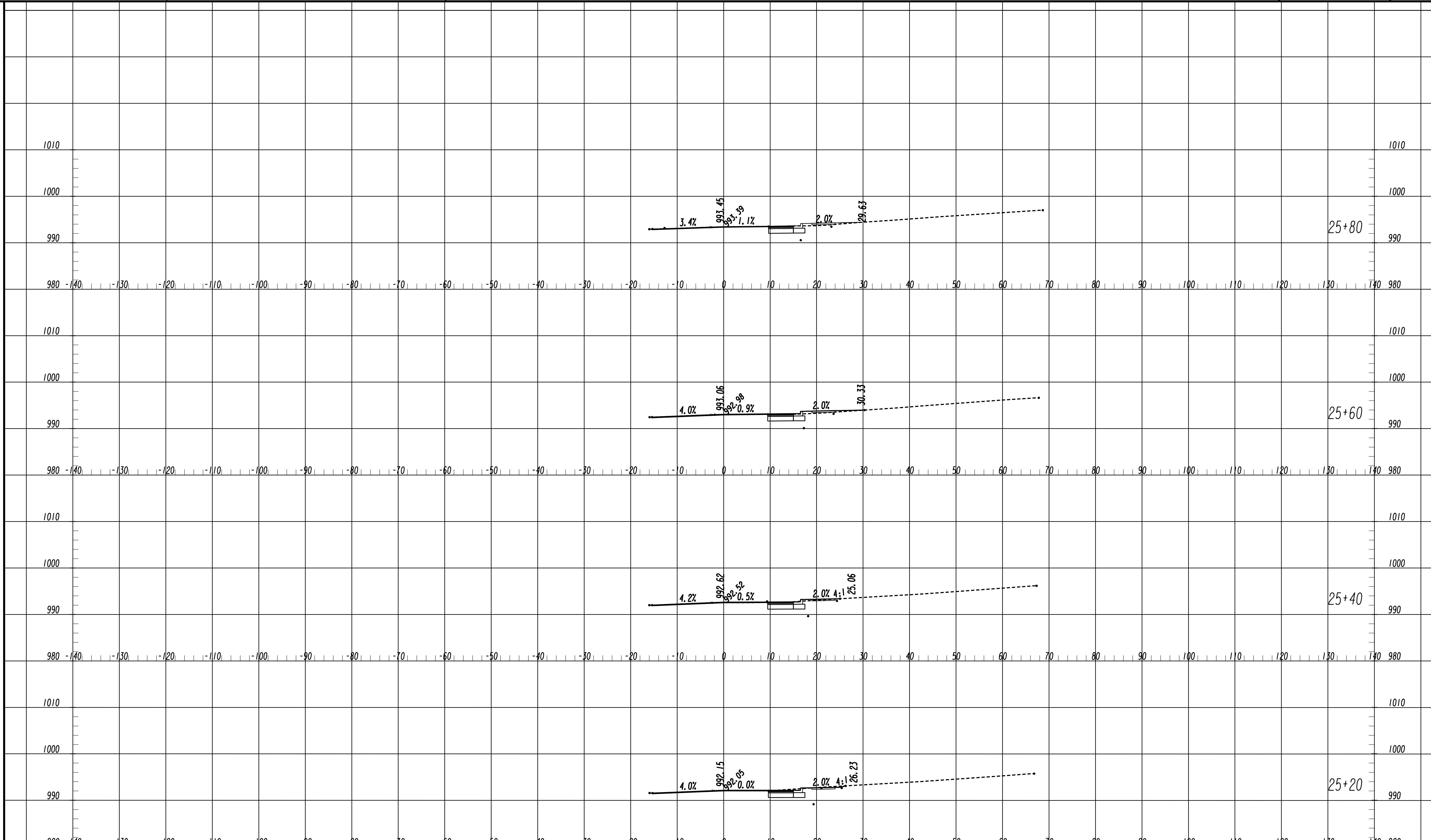

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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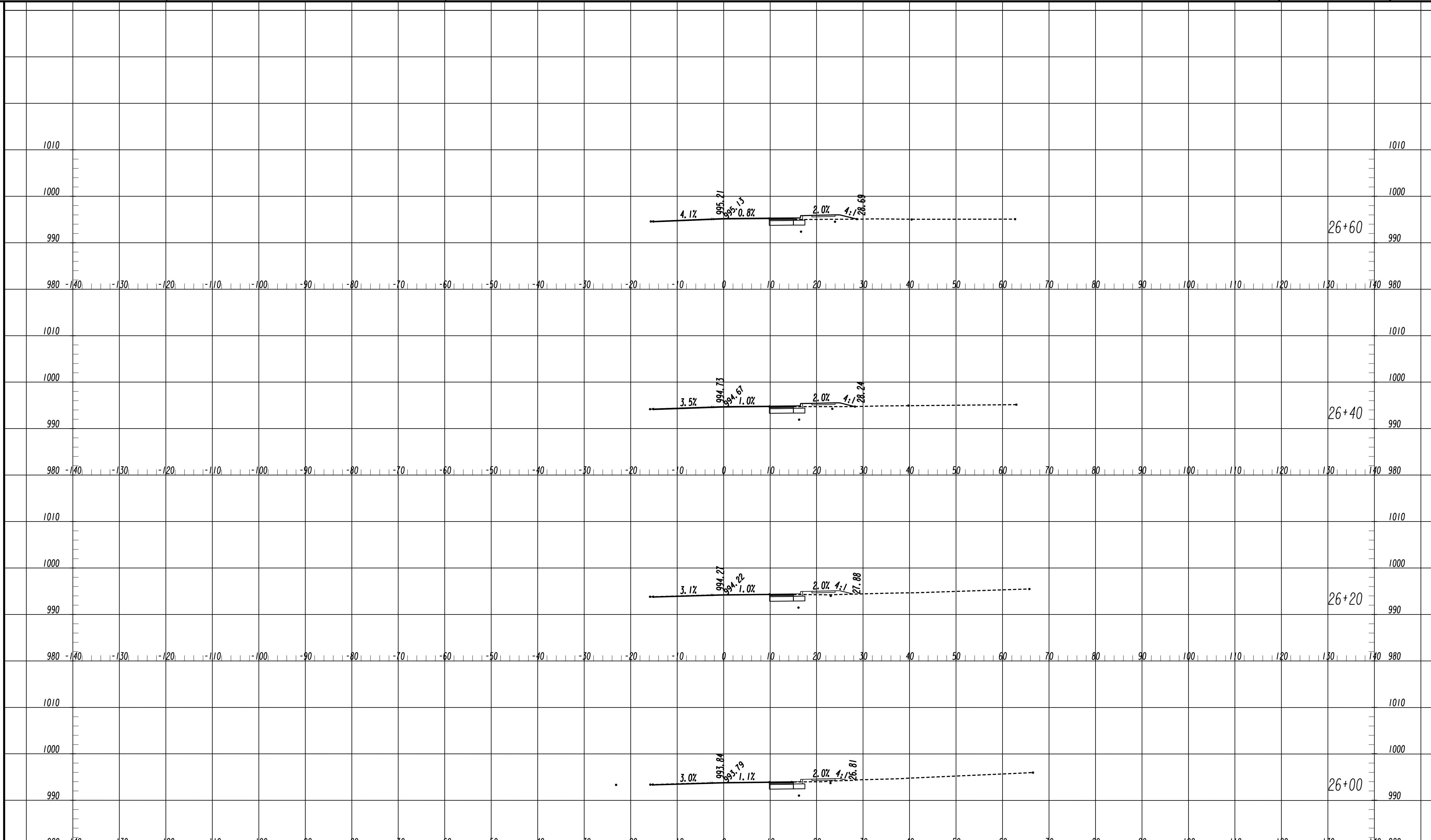
DRAWING No.
23-0017

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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DRAWING No.
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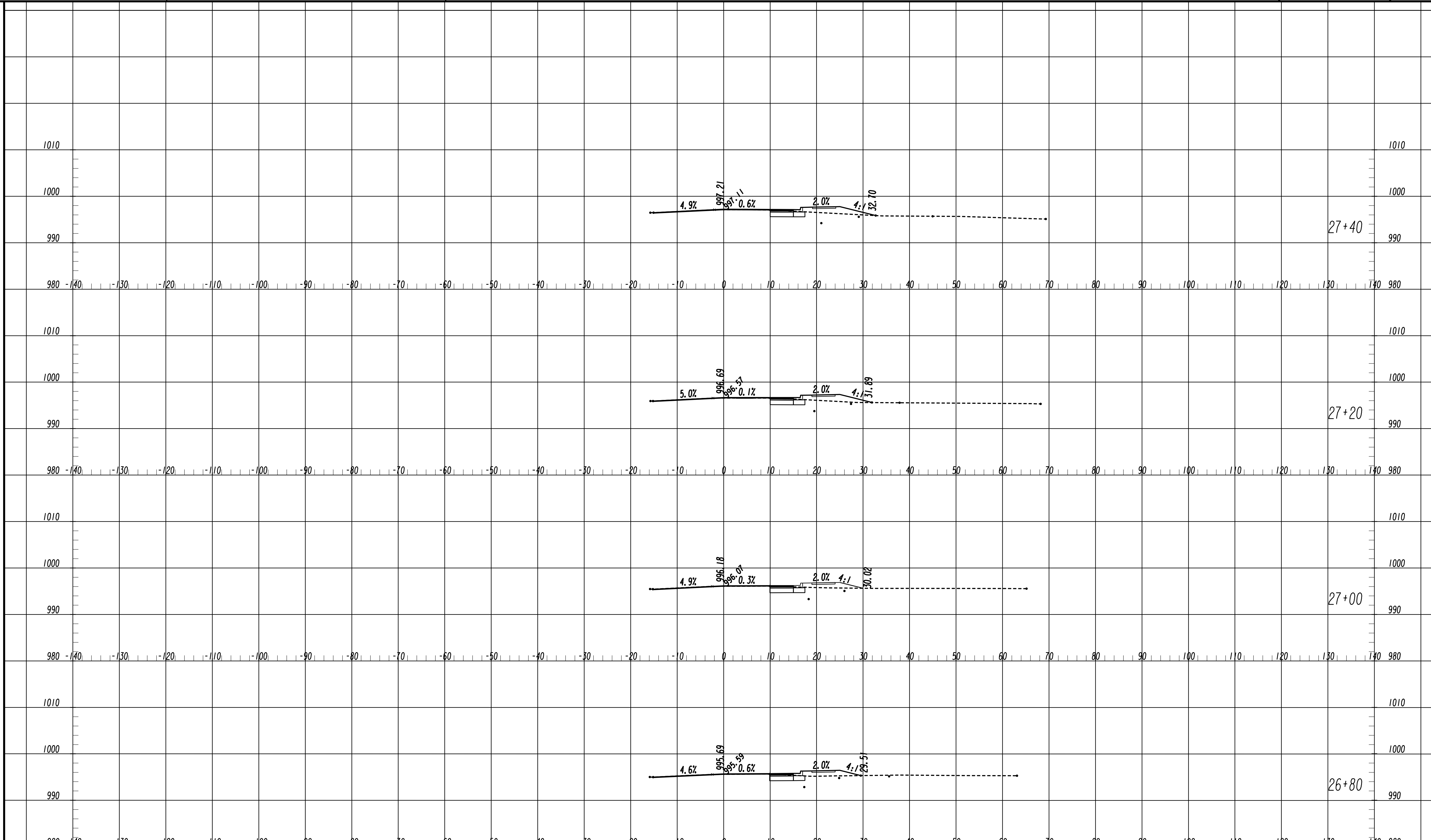

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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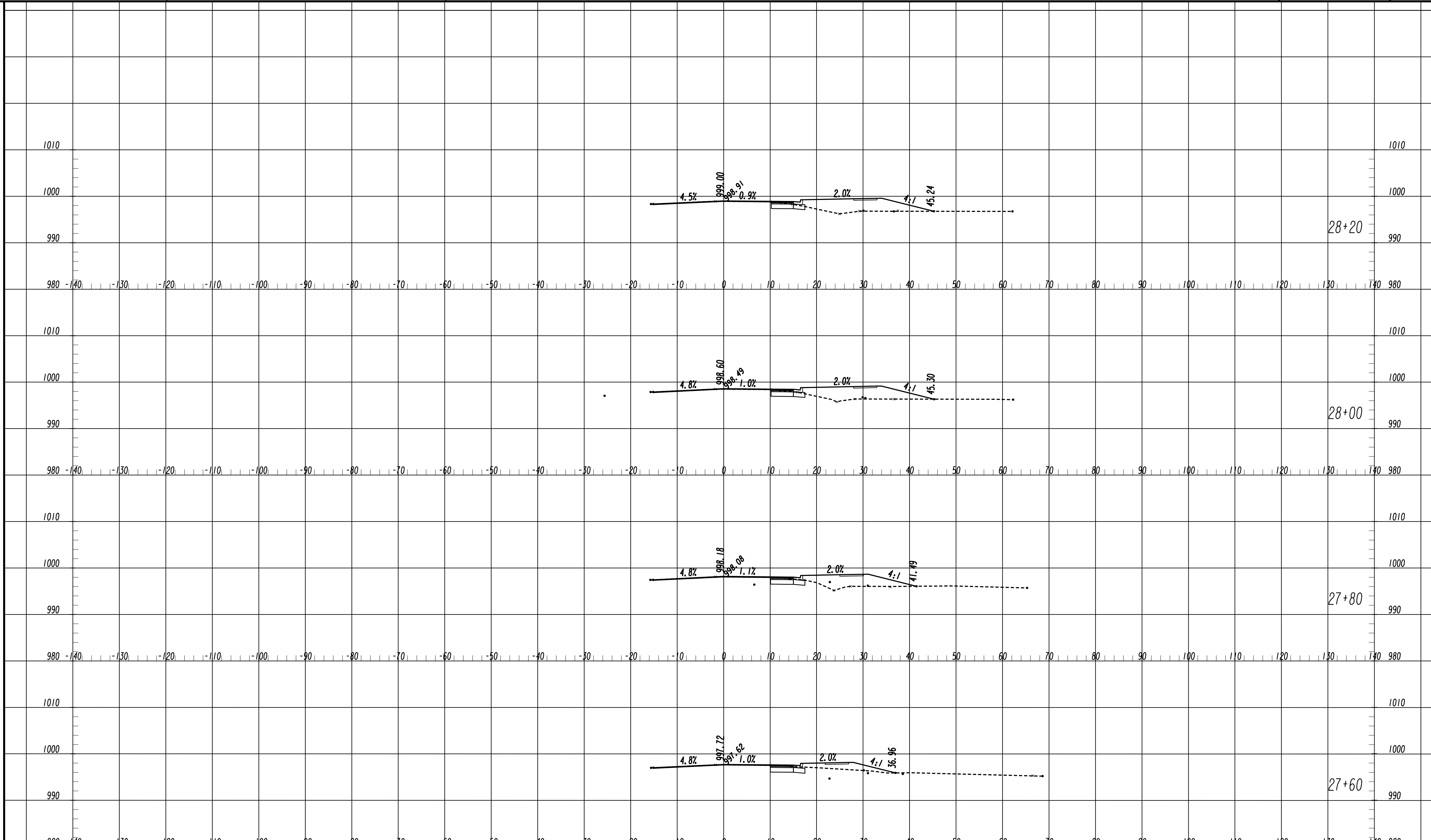
DRAWING No. 23-0019



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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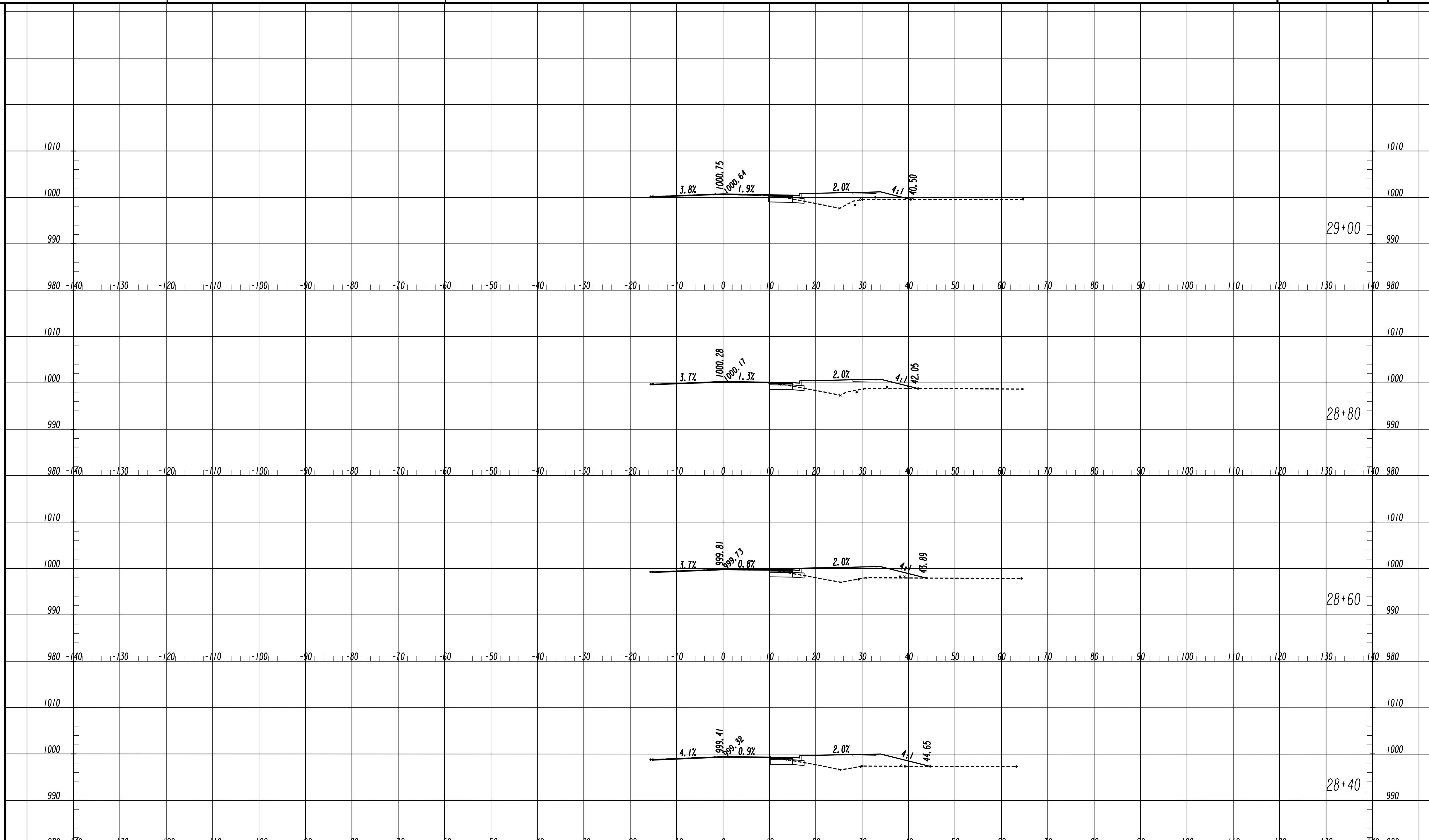
DRAWING No.
23-0020



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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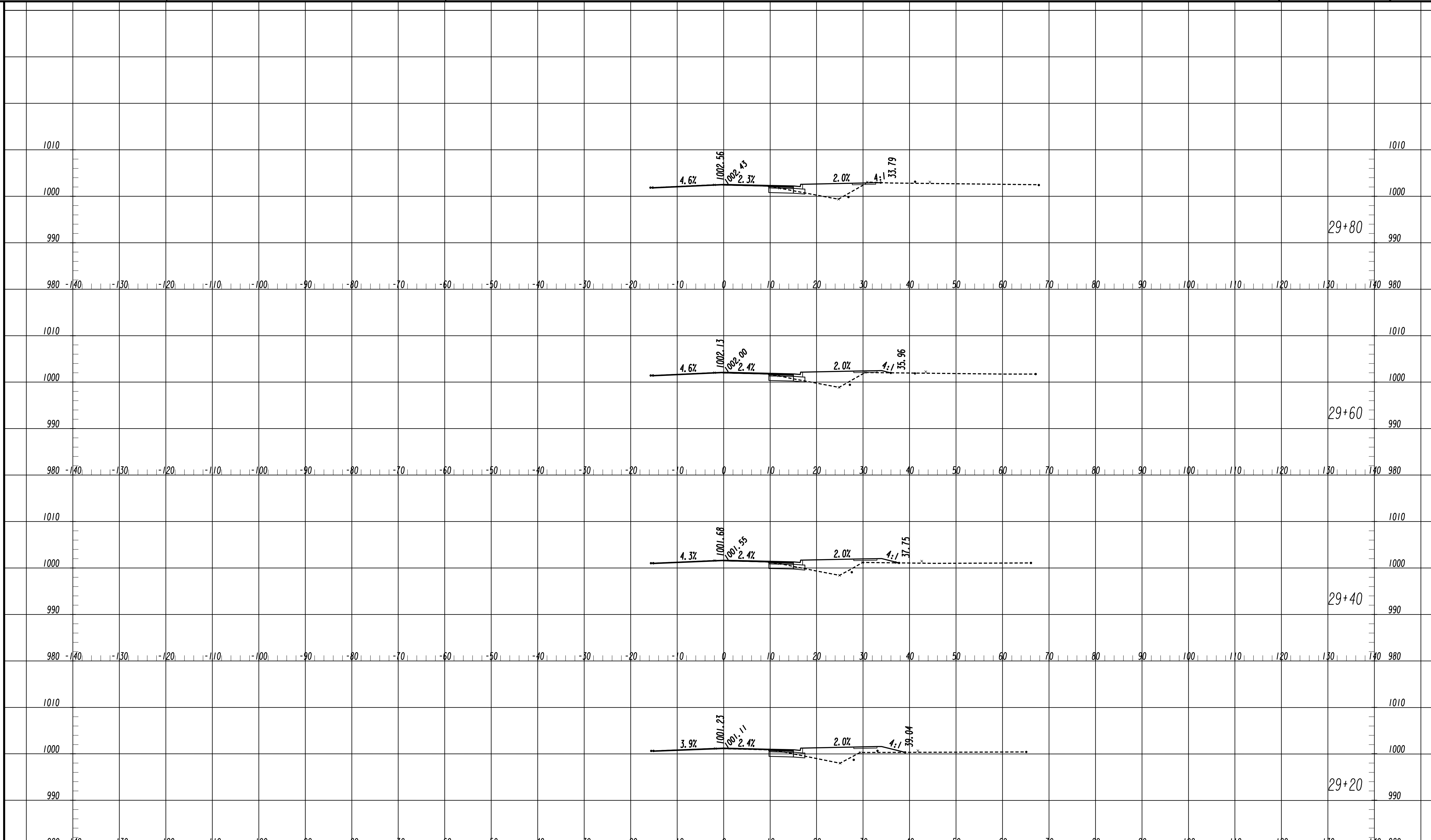
DRAWING No.
23-0021

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

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DRAWING No.
23-0022

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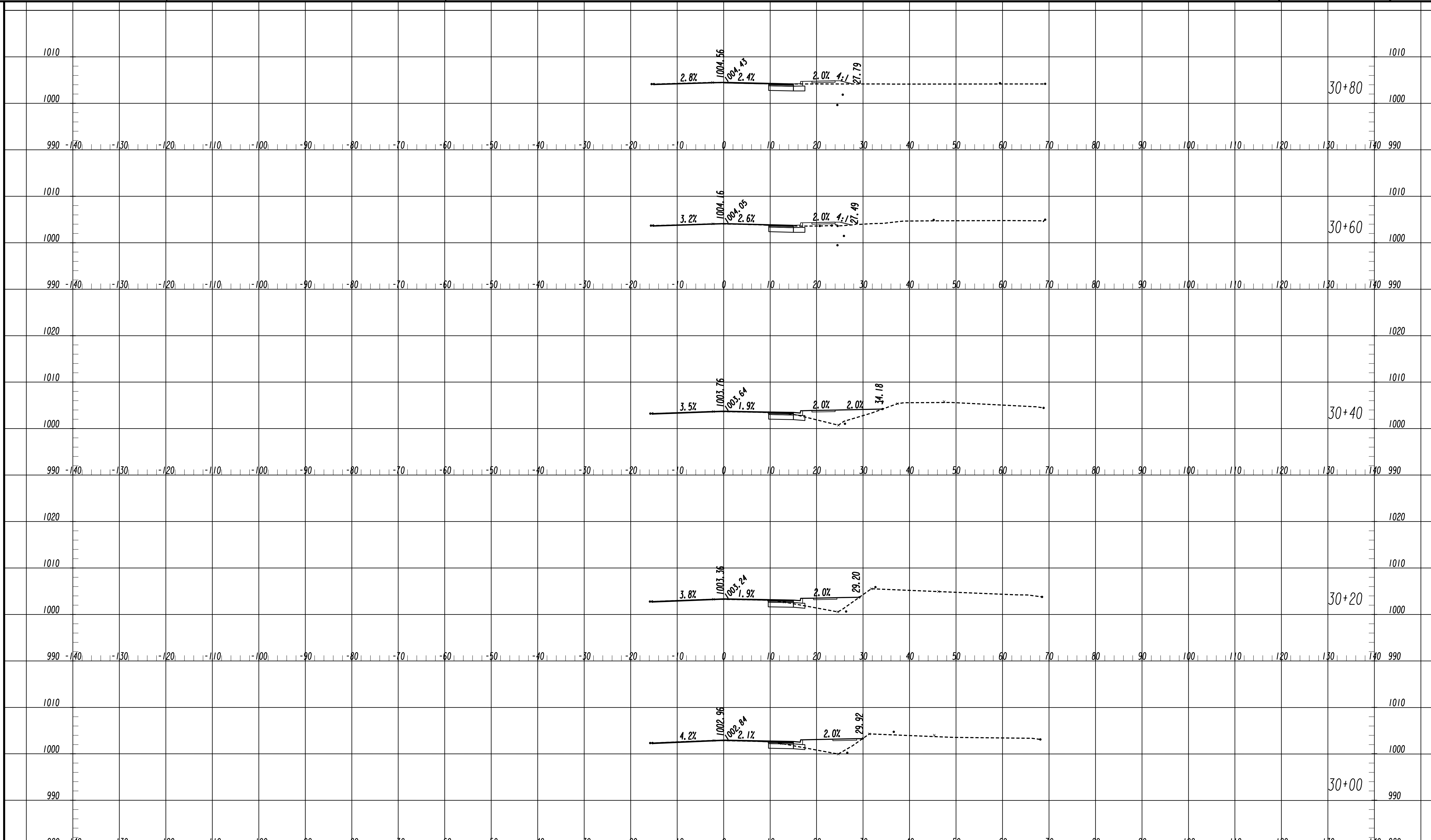
clay.mckinney gplotborder-V8I-PO.tbl



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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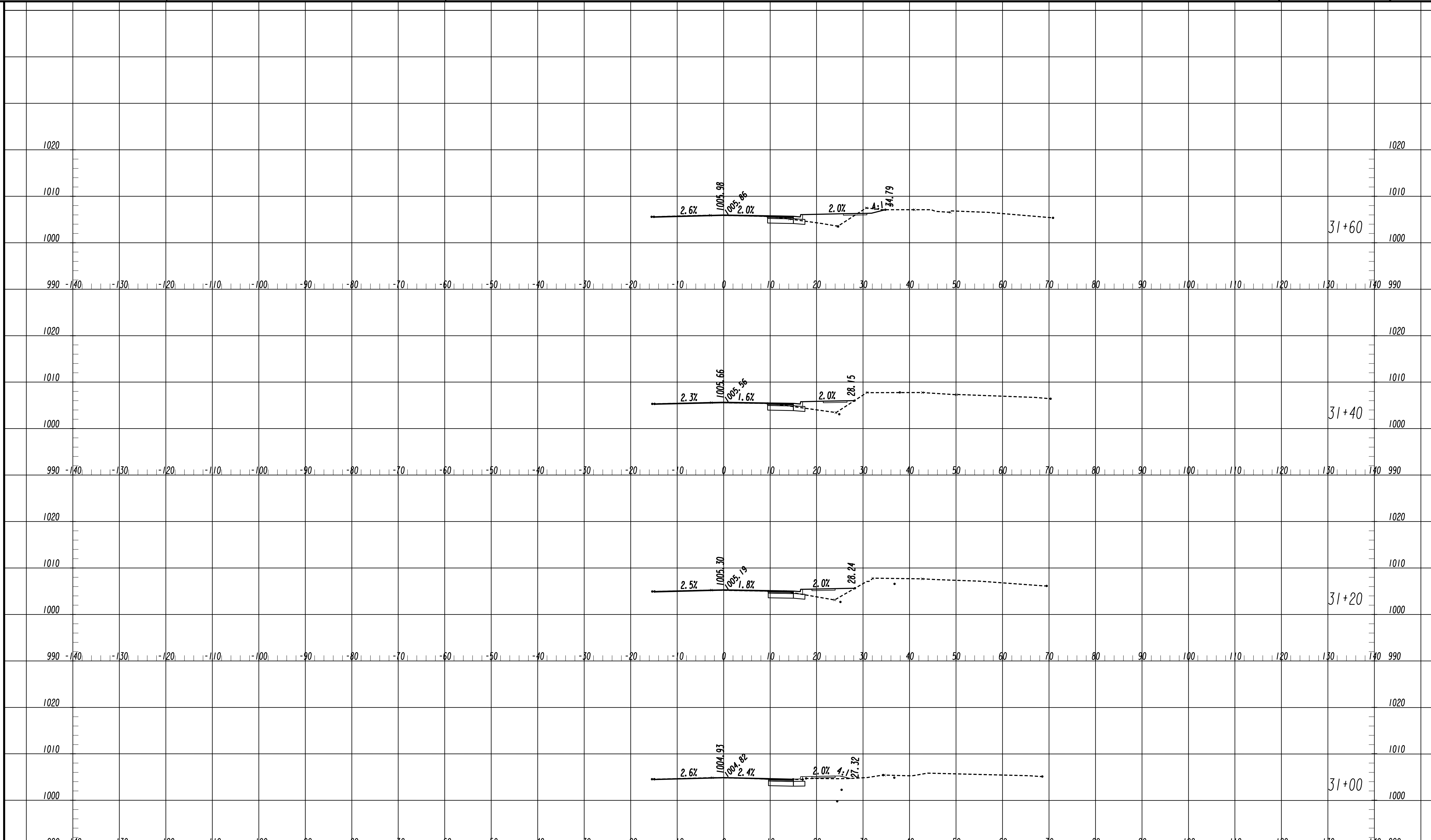
DRAWING No.
23-0023

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
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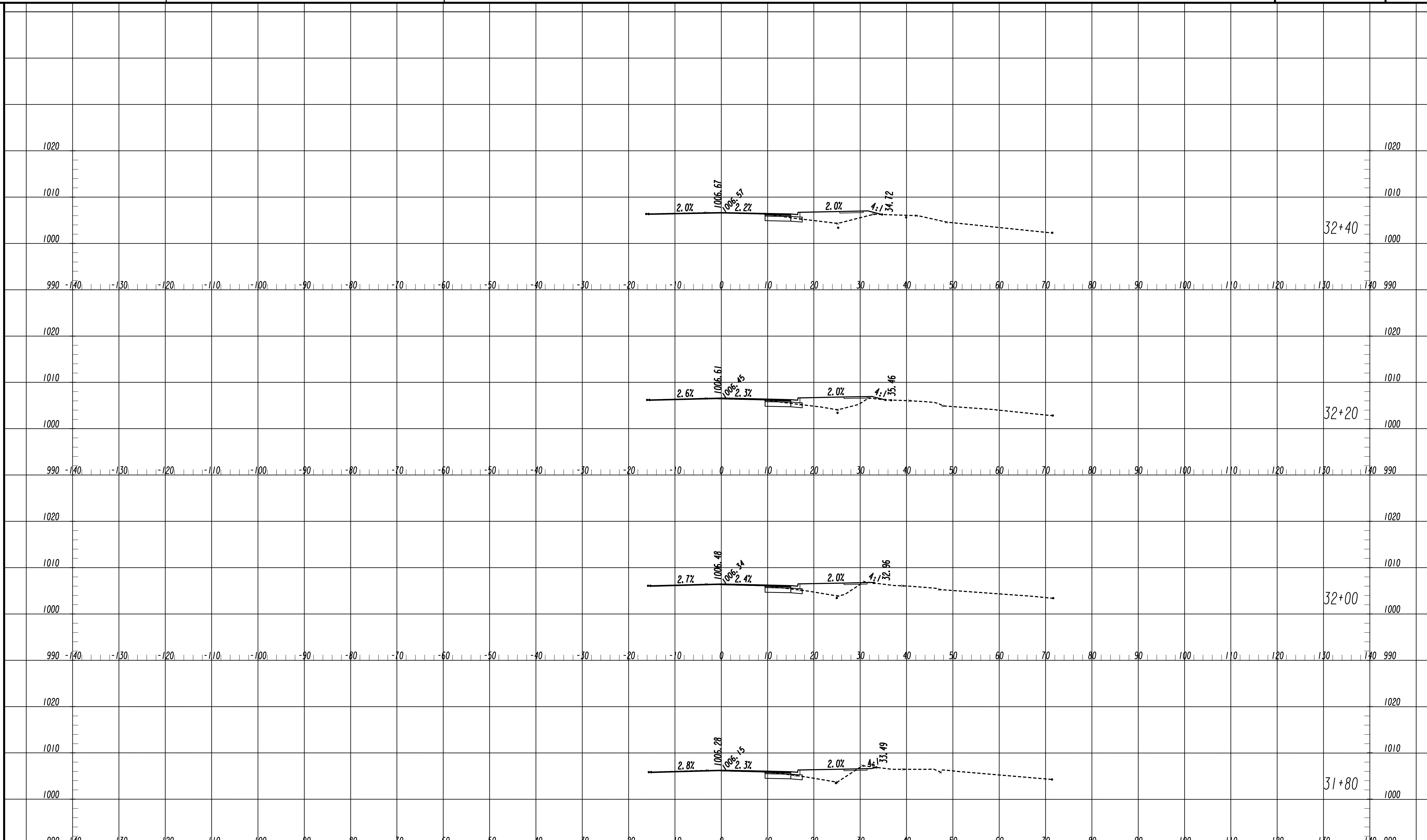
VERIFIED: DATE:

DRAWING No.
23-0024



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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VERIFIED:		DATE:	

DRAWING No.
23-0025

7/31/2015 SUXSEW

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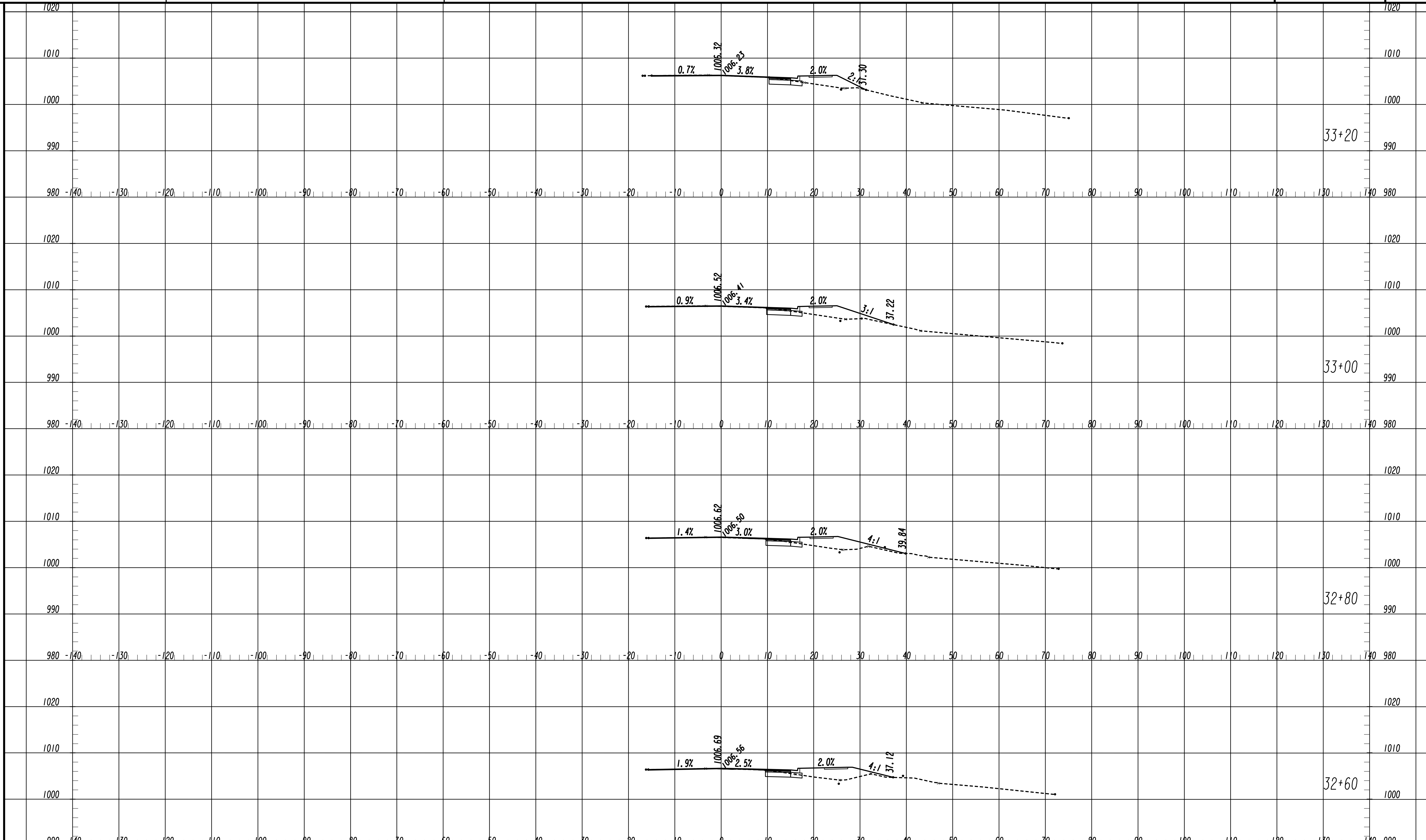
P.I. No.



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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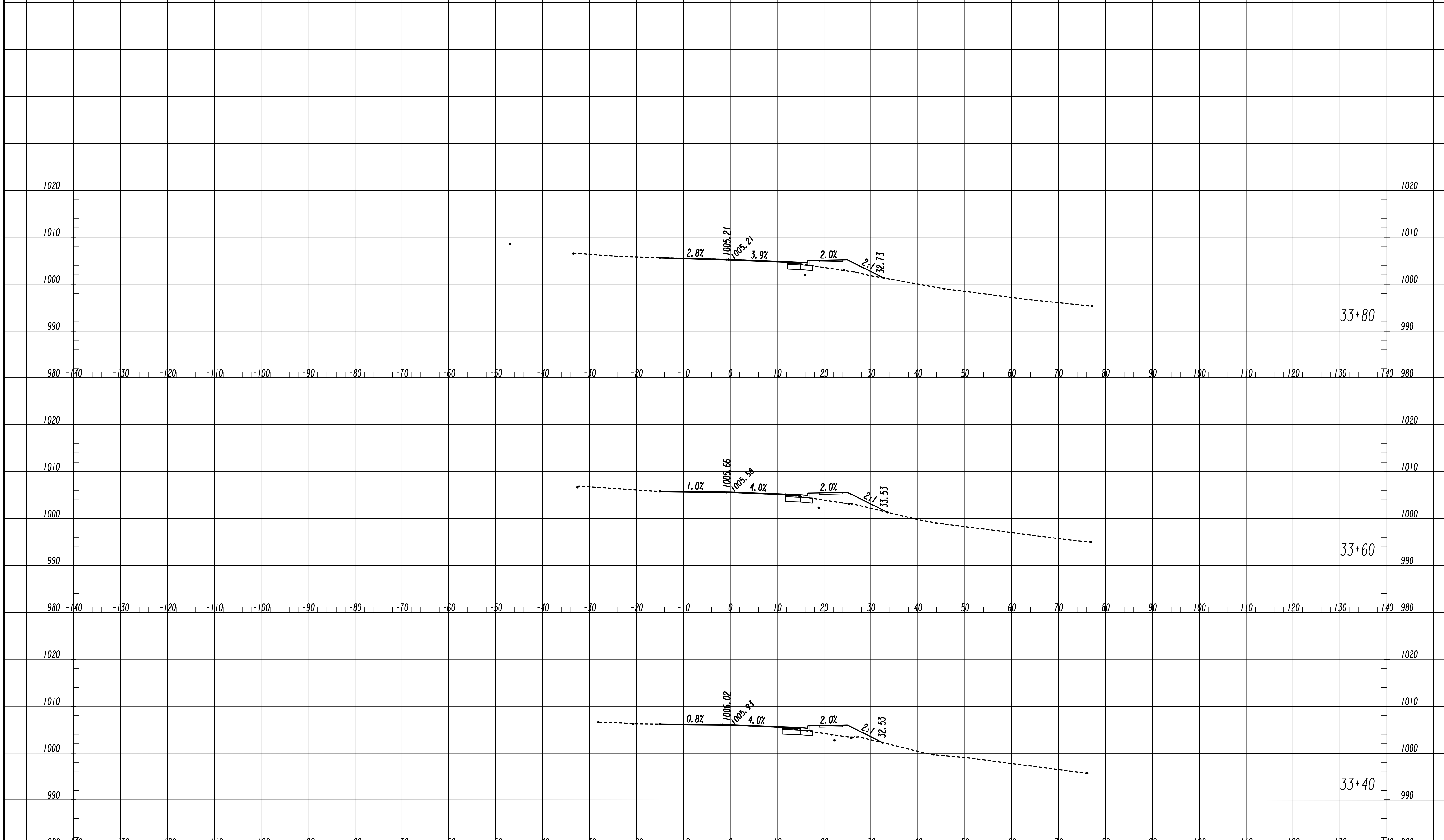
DRAWING No.
23-0026

7/31/2015 SUXSEW

1/27/2020 4:26:22 PM GPLOT-V8 2016042_23.dgn P.I. No.
clay.mckinney gplotborder-V8I-PO.tbl



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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DRAWING No.
23-0027

7/31/2015 SUXSEW

1/27/2020 4:26:25 PM GPLOT-V8 2016042_23.dgn
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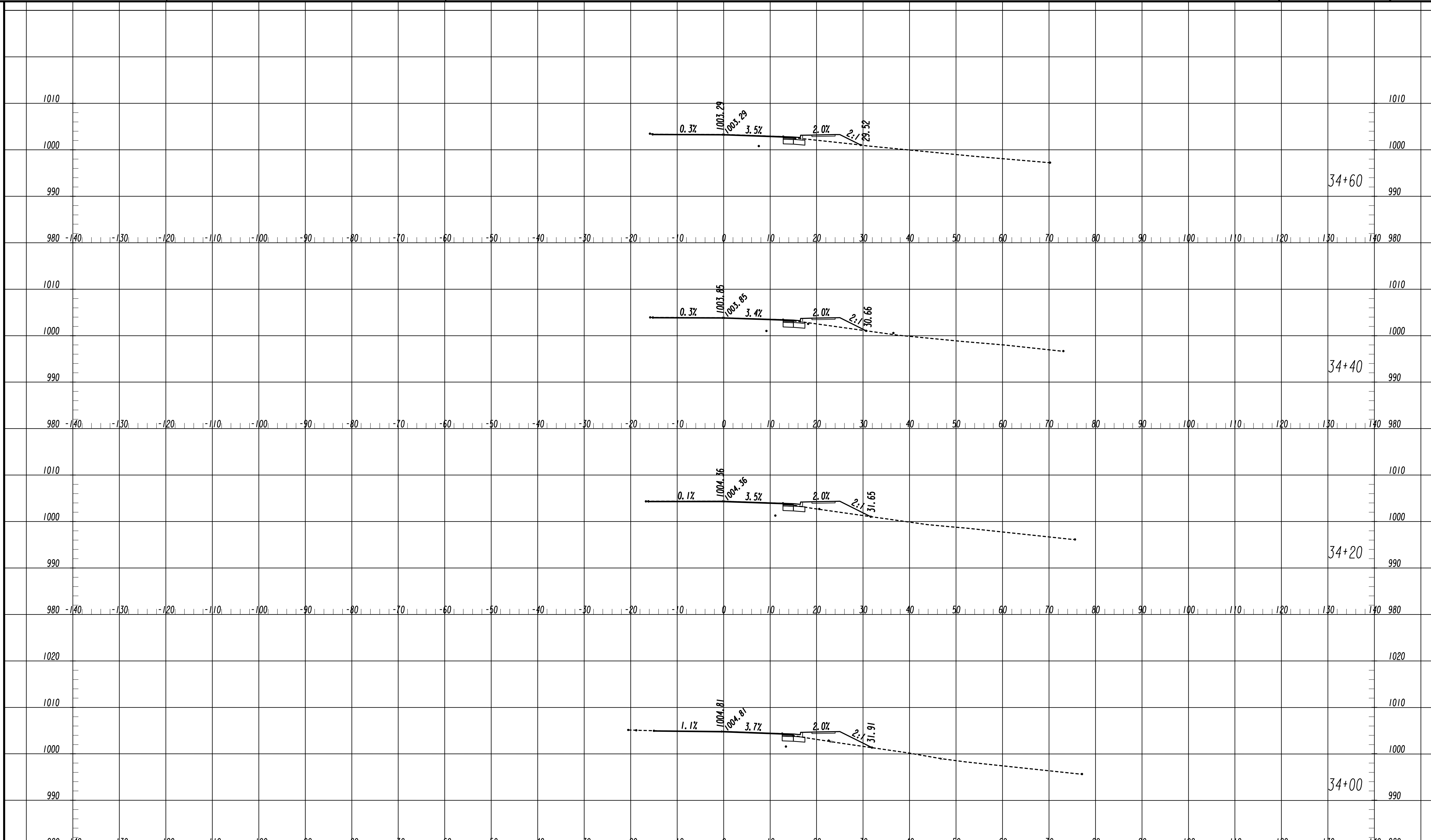
P.I. No.



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

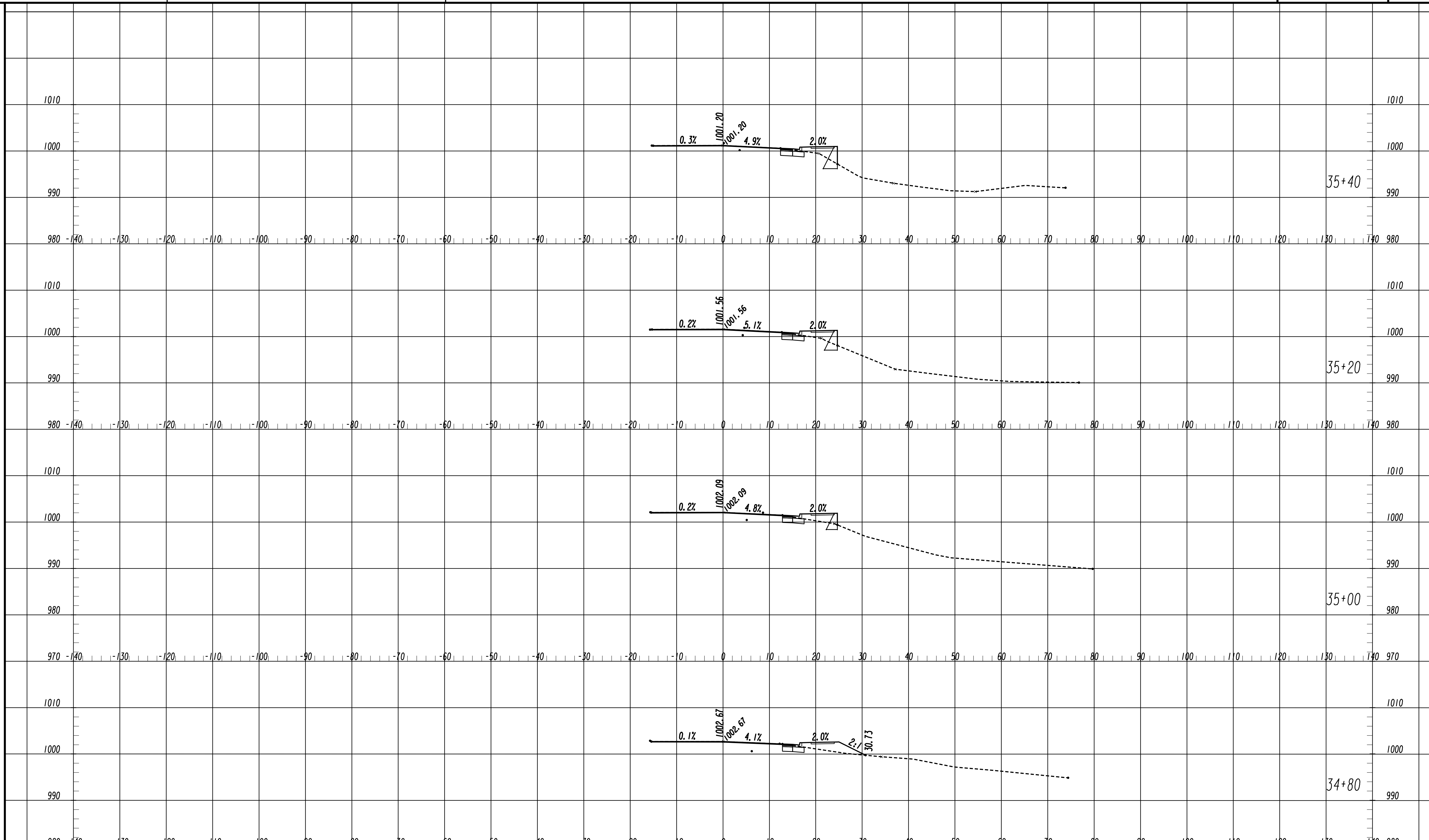
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0028

7/31/2015 SUXSEW



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

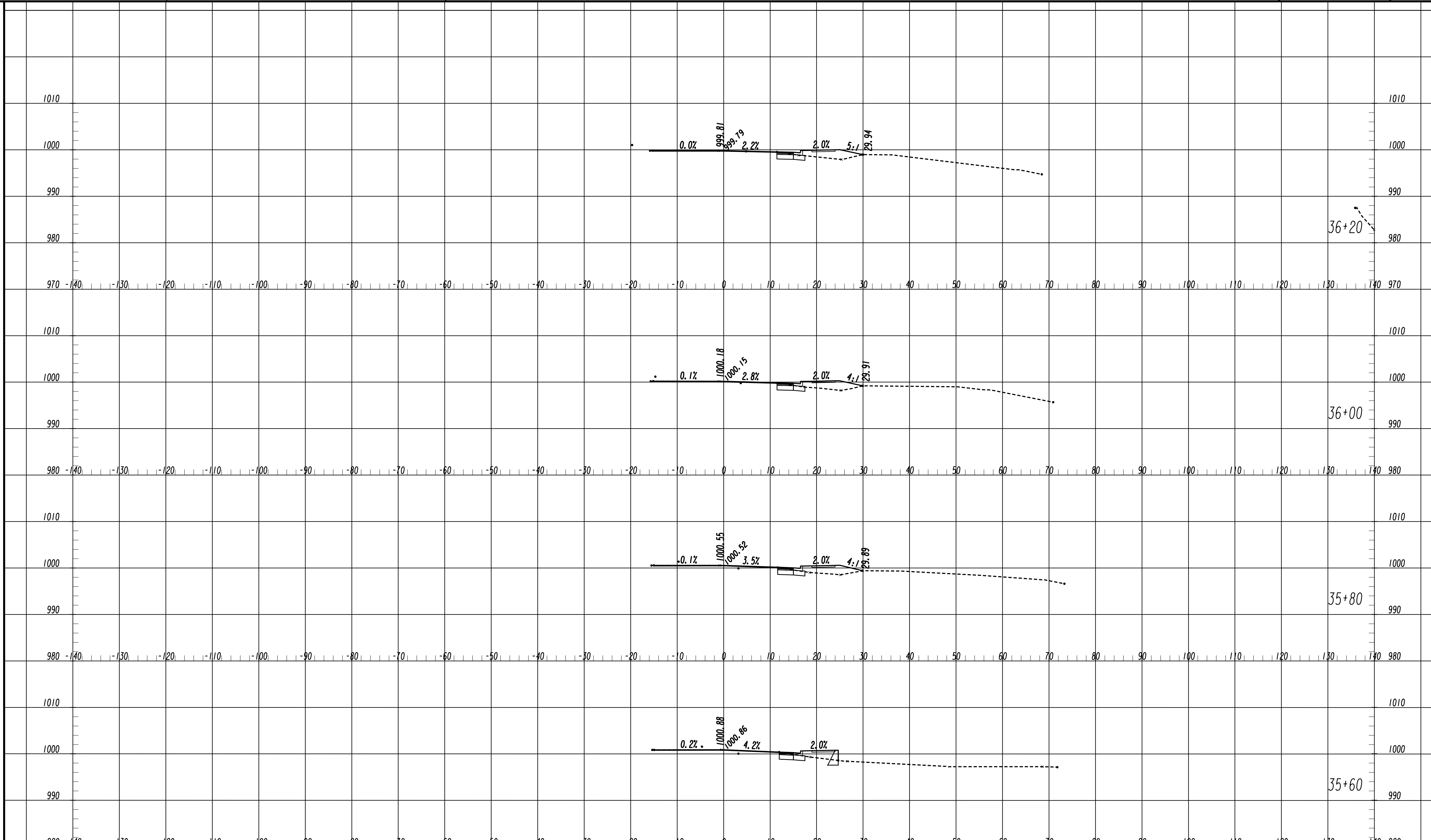
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0029

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
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DRAWING No.
23-0030

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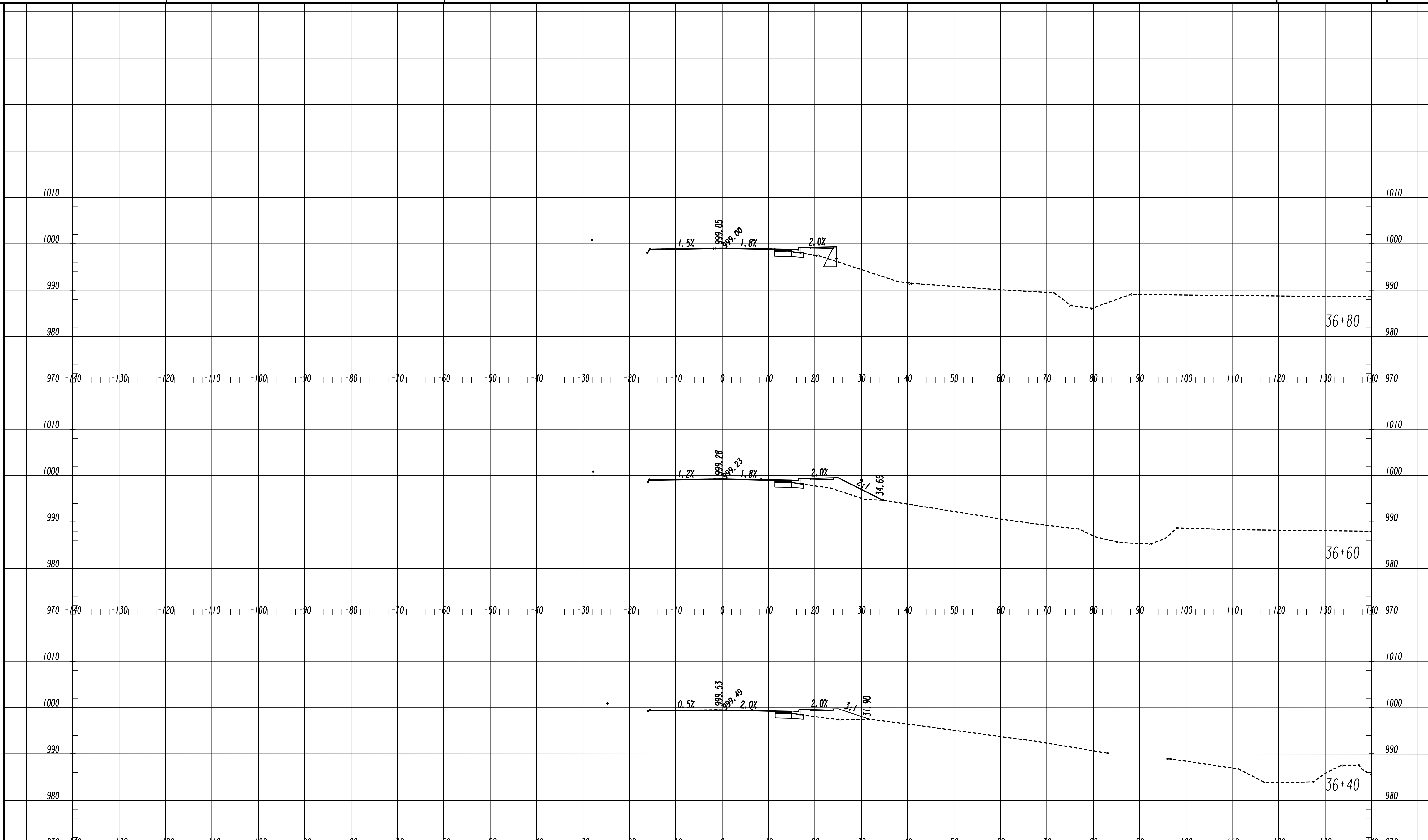
P.I. No.



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
23-0031

7/31/2015 SUXSEW

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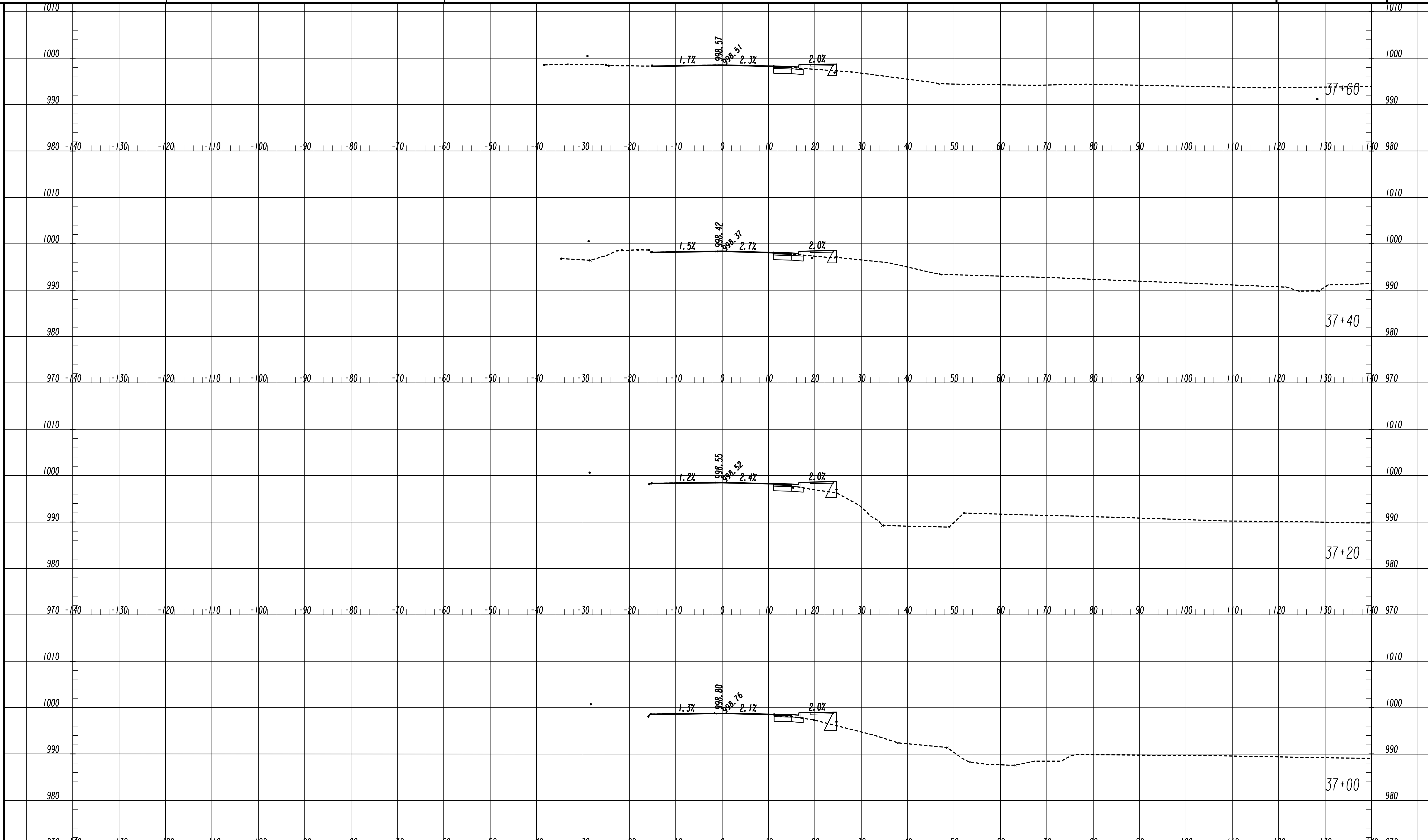
clay.mckinney | gplotborder-V8I-PO.tbl



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

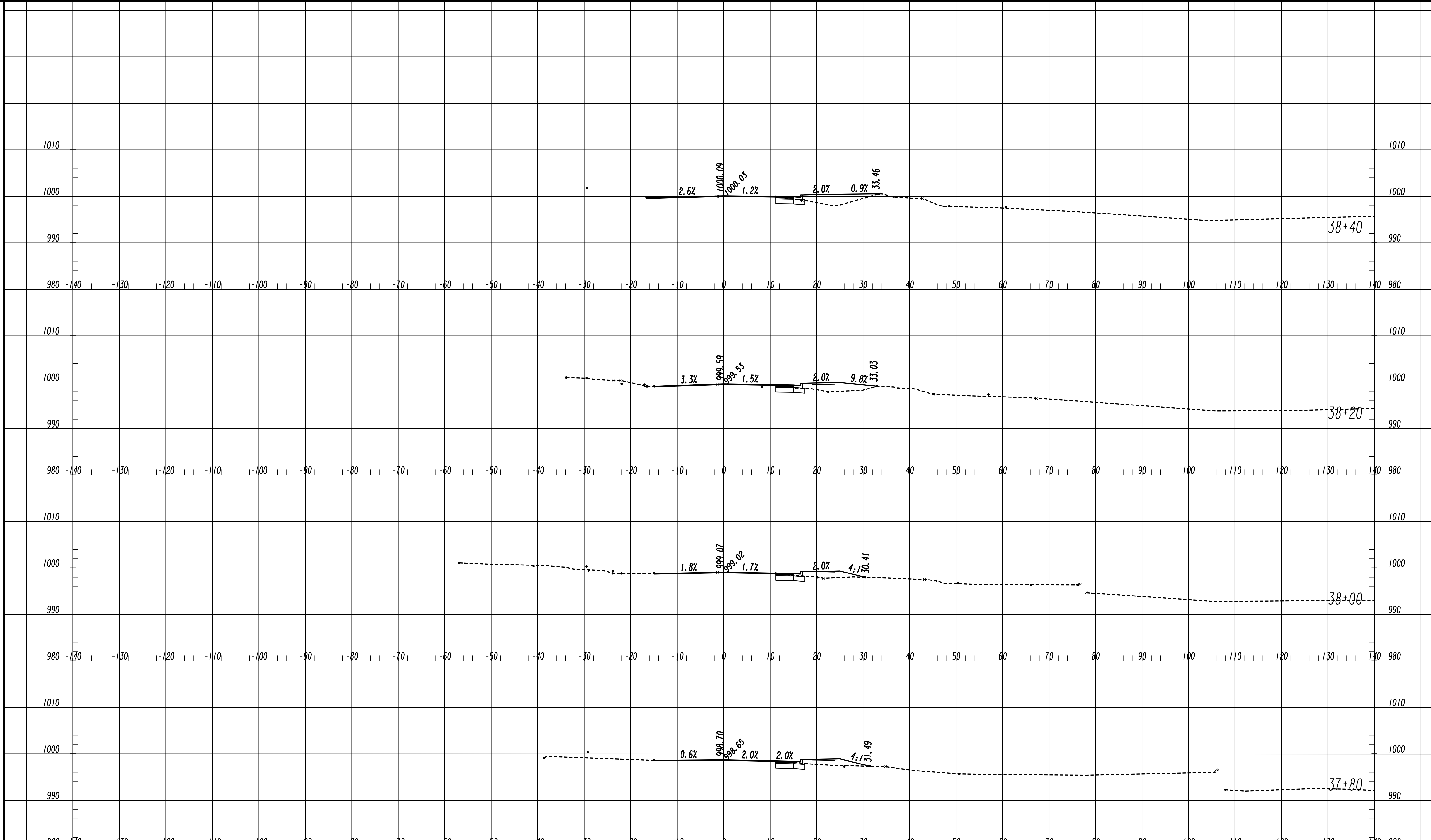
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0032

7/31/2015 SUXSEW



REVISION DATES

CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0033

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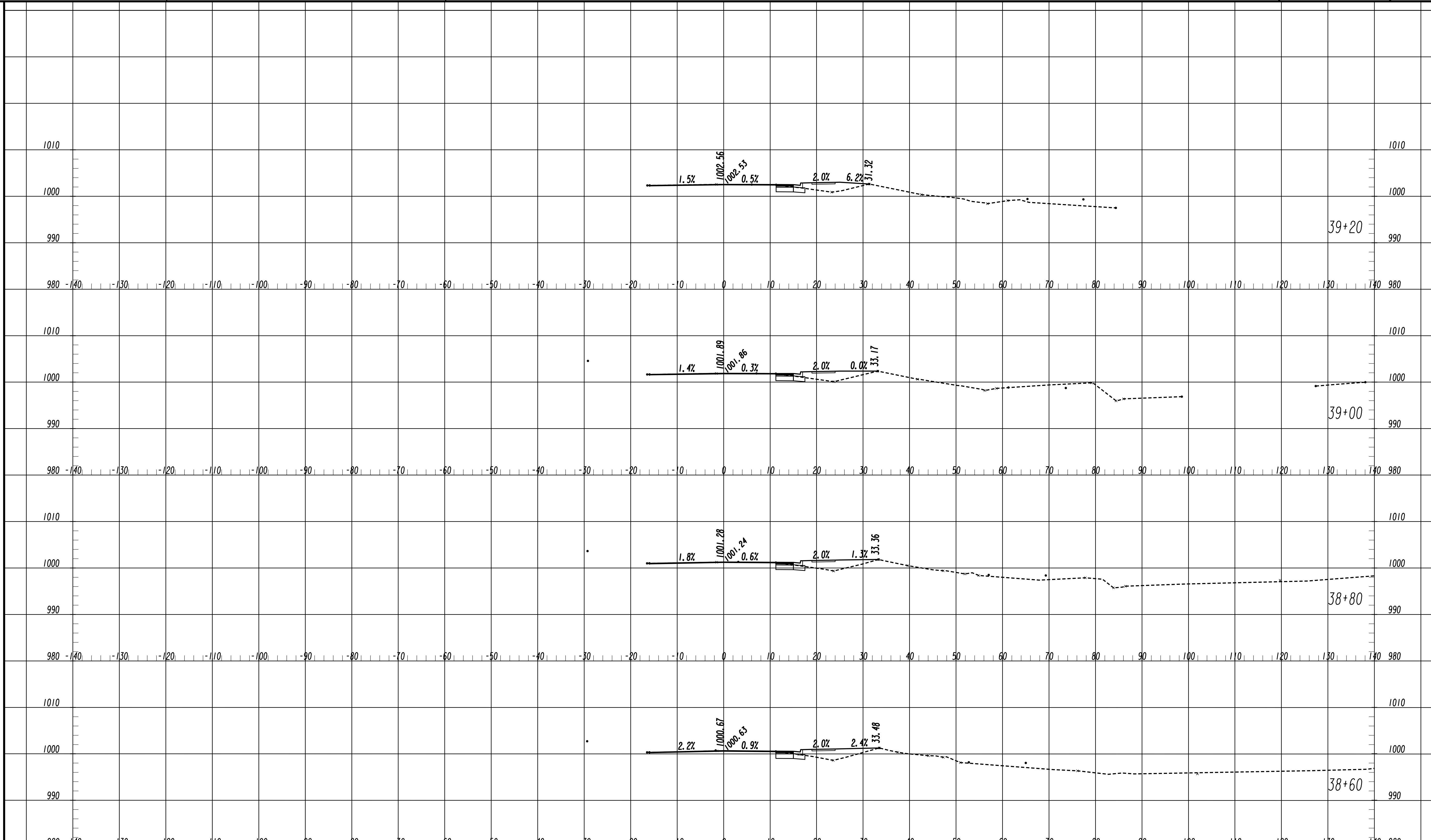


CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

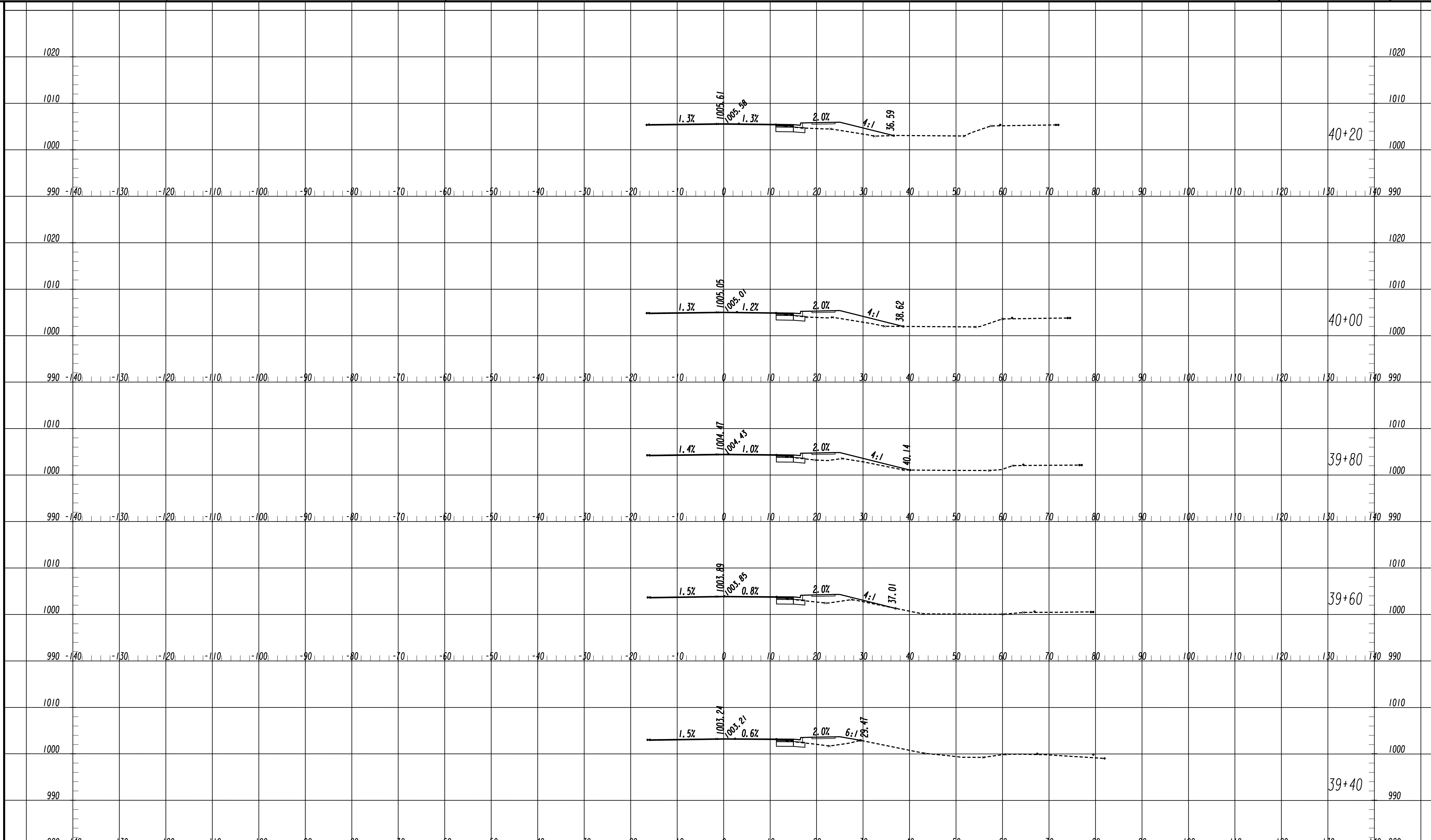
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0034

7/31/2015 SUXSEW

1/27/2020 4:26:44 PM | GPLOT-V8 | 2016042_23.dgn | P.I. No.

clay.mckinney | gplotborder-V8I-PO.tbl



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

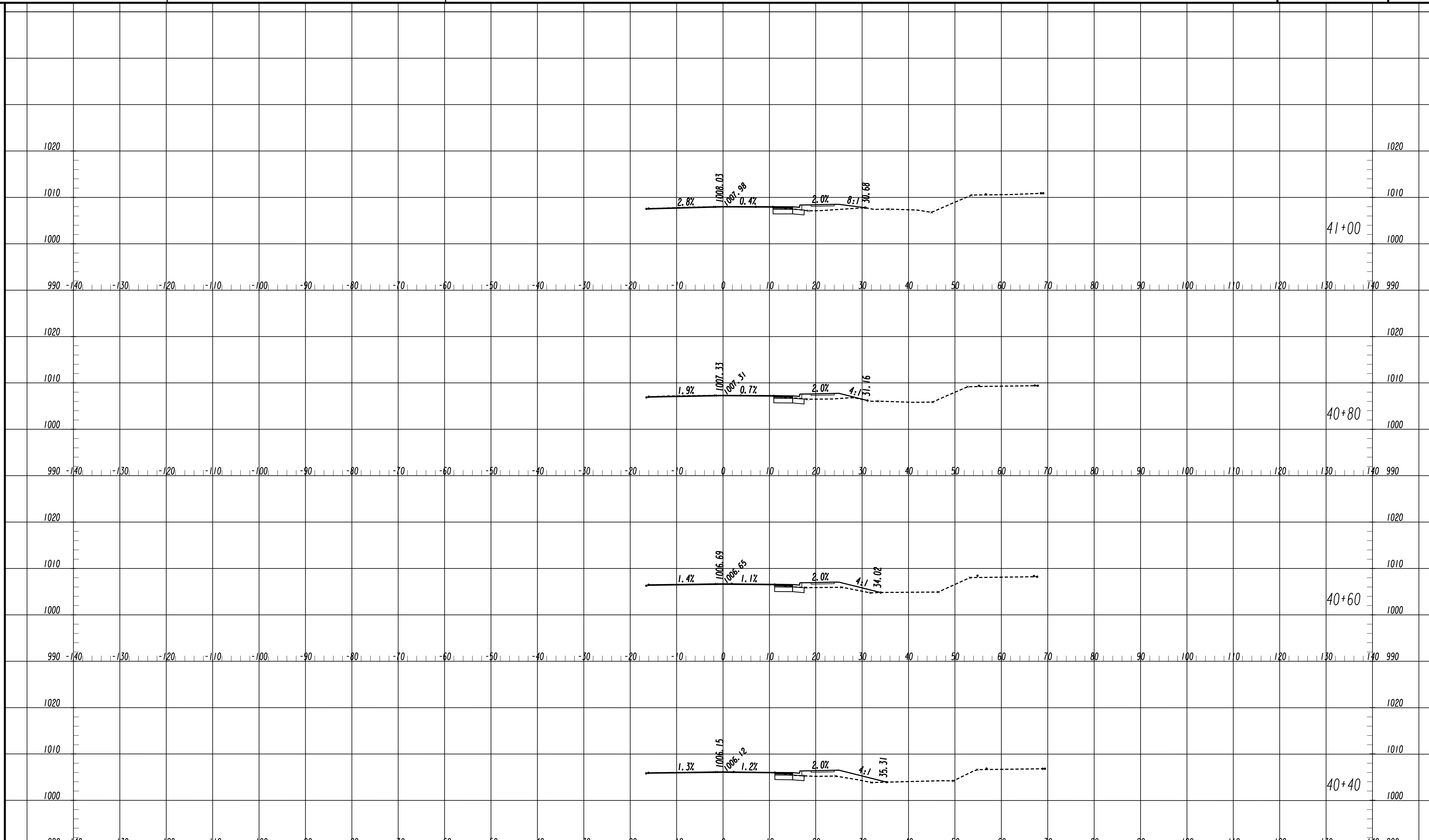
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0035

7/31/2015 SUXSEW



CALYX
ENGINEERS + CONSULTANTS

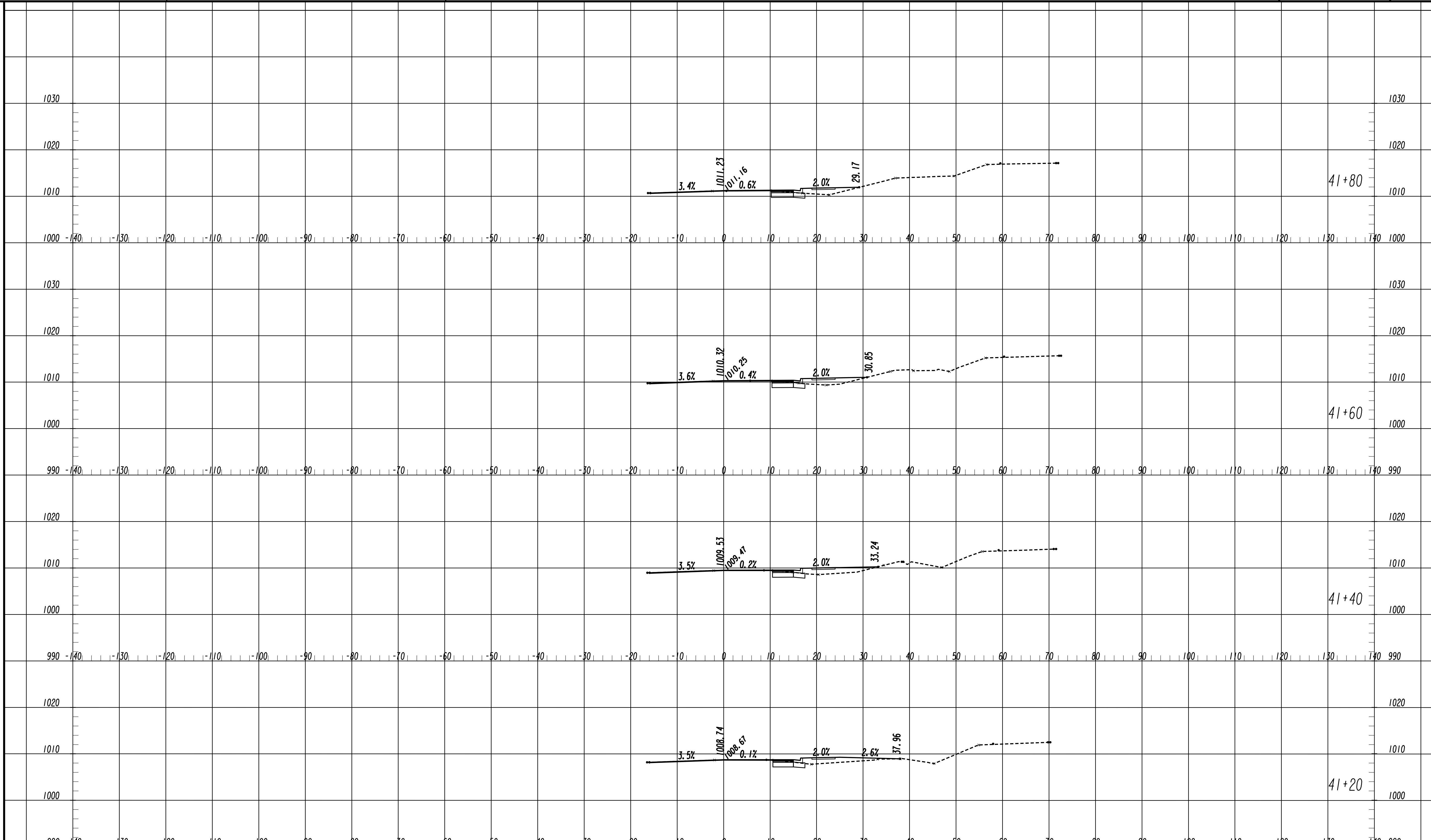
HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0036



REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CALYX ENGINEERS + CONSULTANTS

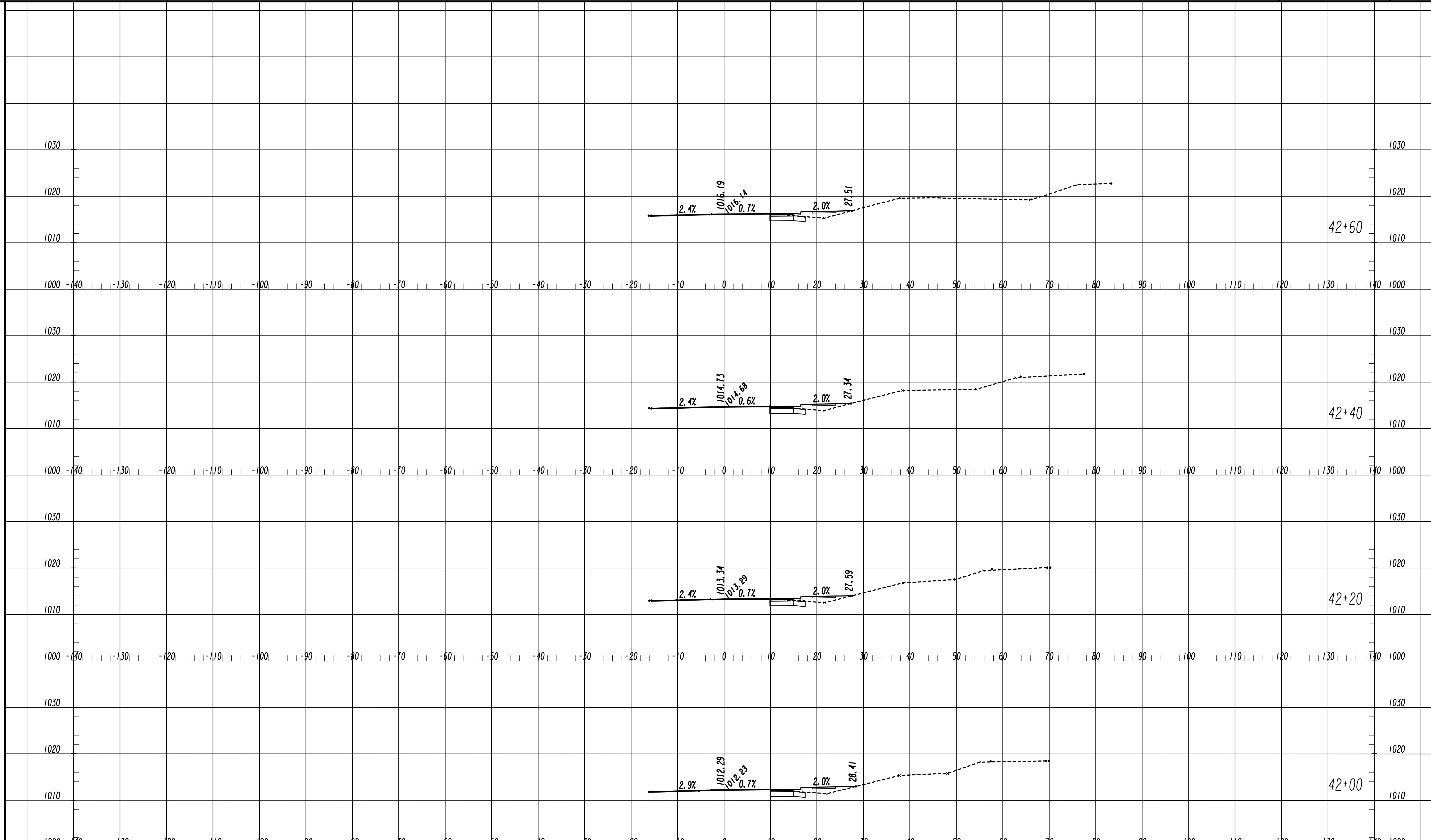
HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0037

1/27/2020 4:26:53 PM GPLOT-V8 2016042_23.dgn P.I. No.

clay.mckinney gplotborder-V8I-PO.tbl



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

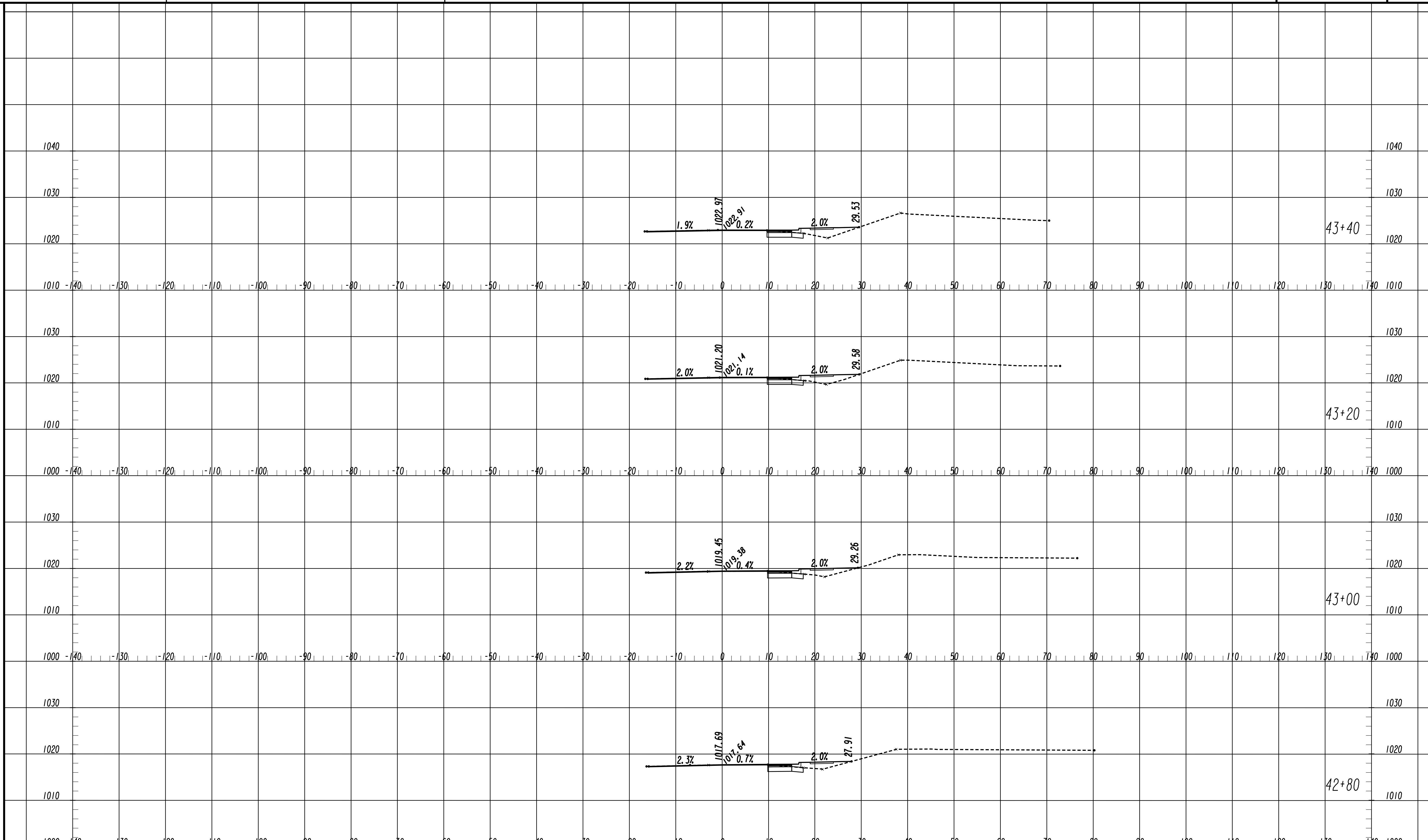
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
23-0038

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

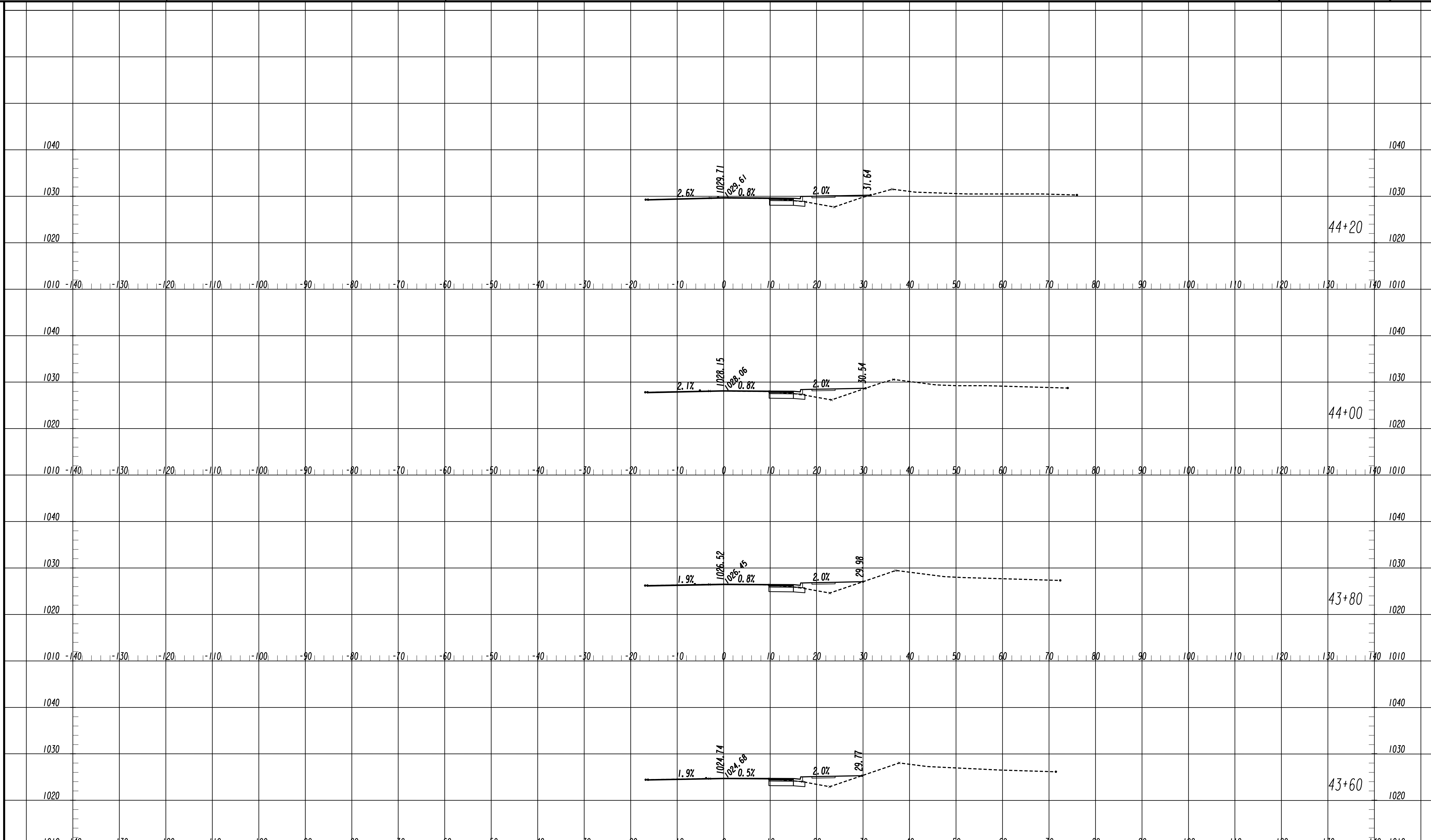
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0039

7/31/2015 SUXSEW

1/27/2020 4:26:59 PM GPLOT-V8 2016042_23.dgn
clay.mckinney gplotborder-V8I-PO.tbl

P.I. No.



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

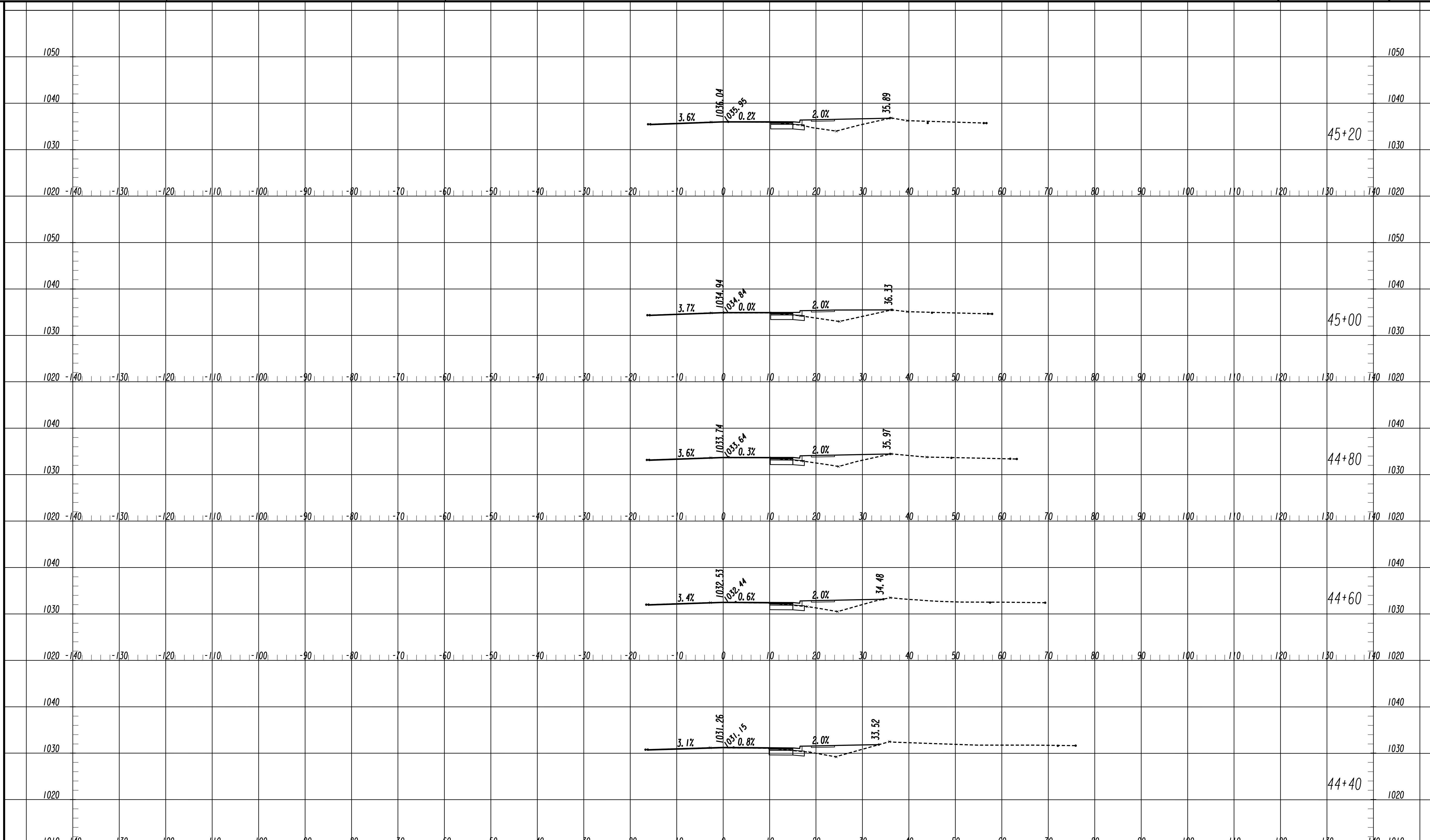
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0040

7/31/2015 SUXSEW



CALYX ENGINEERS + CONSULTANTS

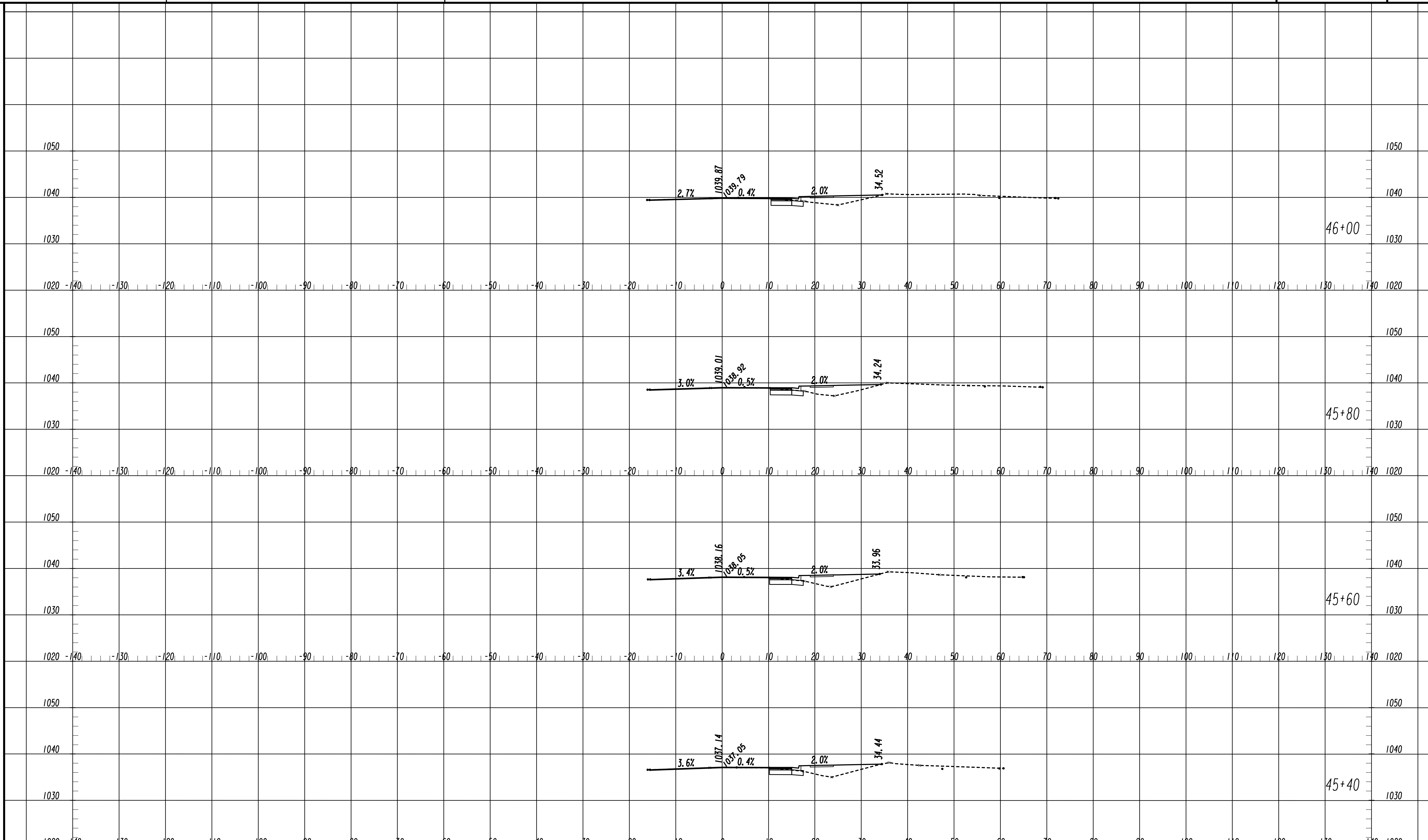
HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0041



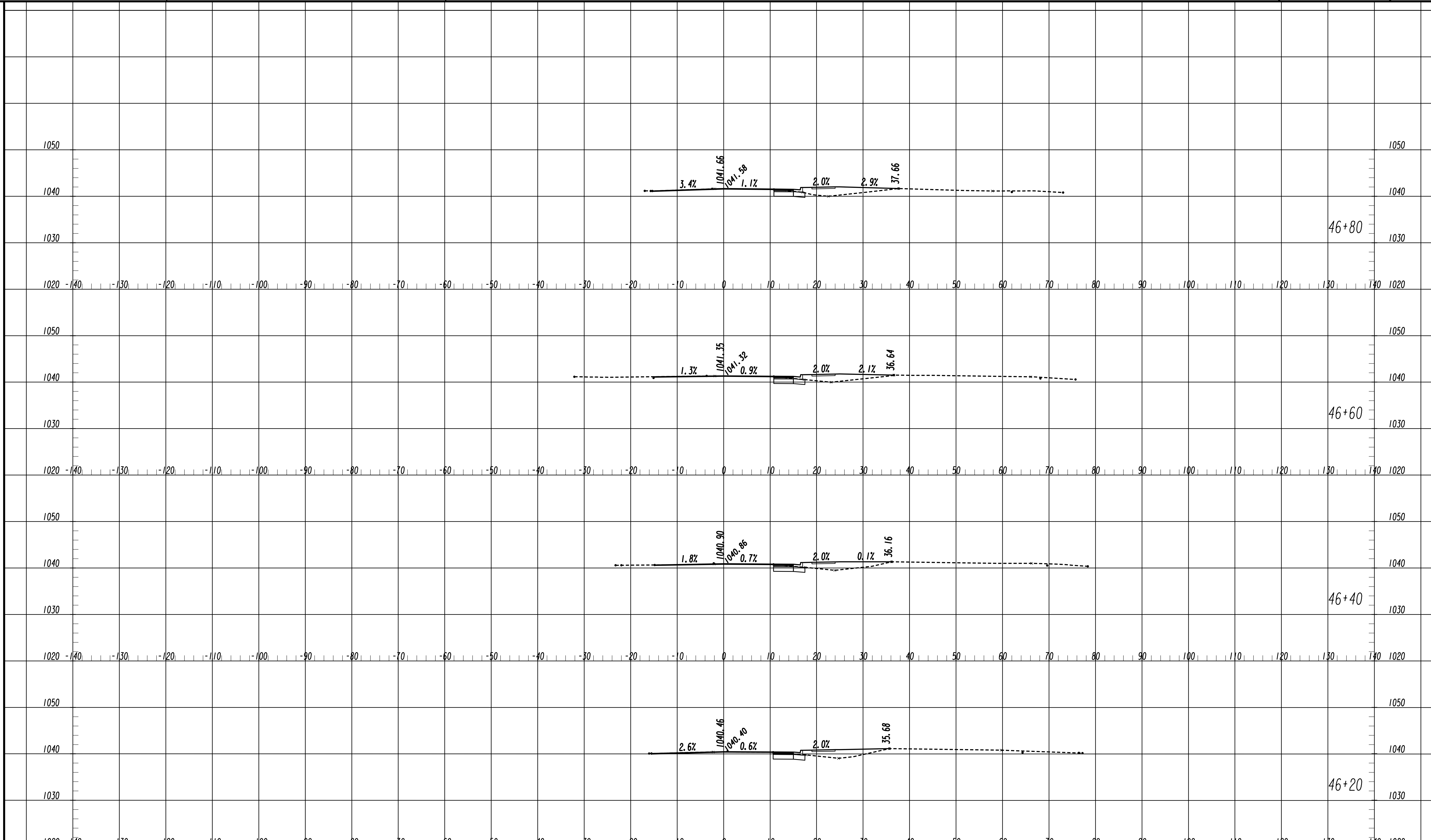
CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES		

CROSS SECTIONS
PEELER ROAD SIDEWALK

				DRAWING No.
CHECKED:		DATE:		23-0042
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES		

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0043

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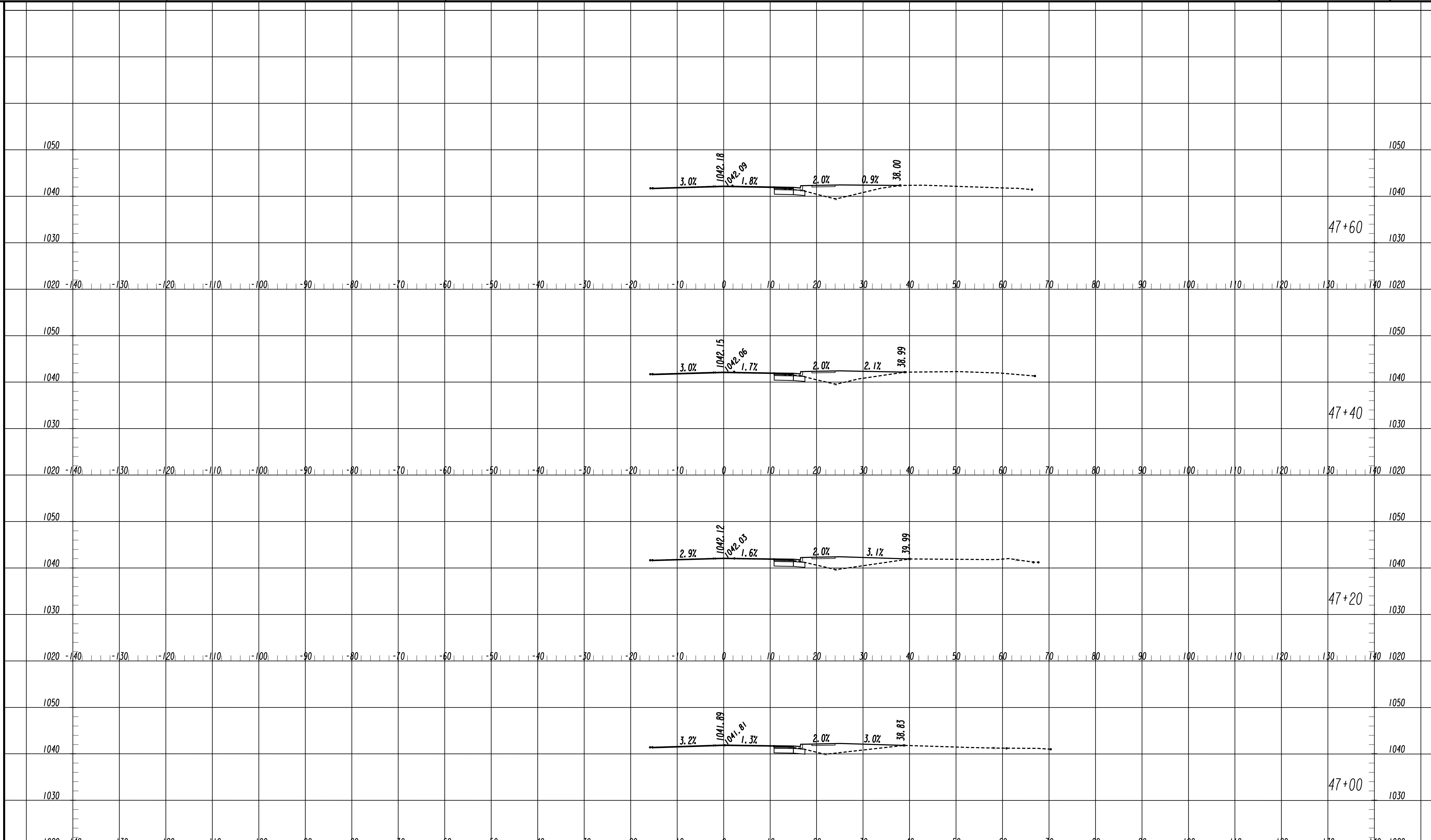
clay.mckinney gplotborder-V8I-PO.tbl



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

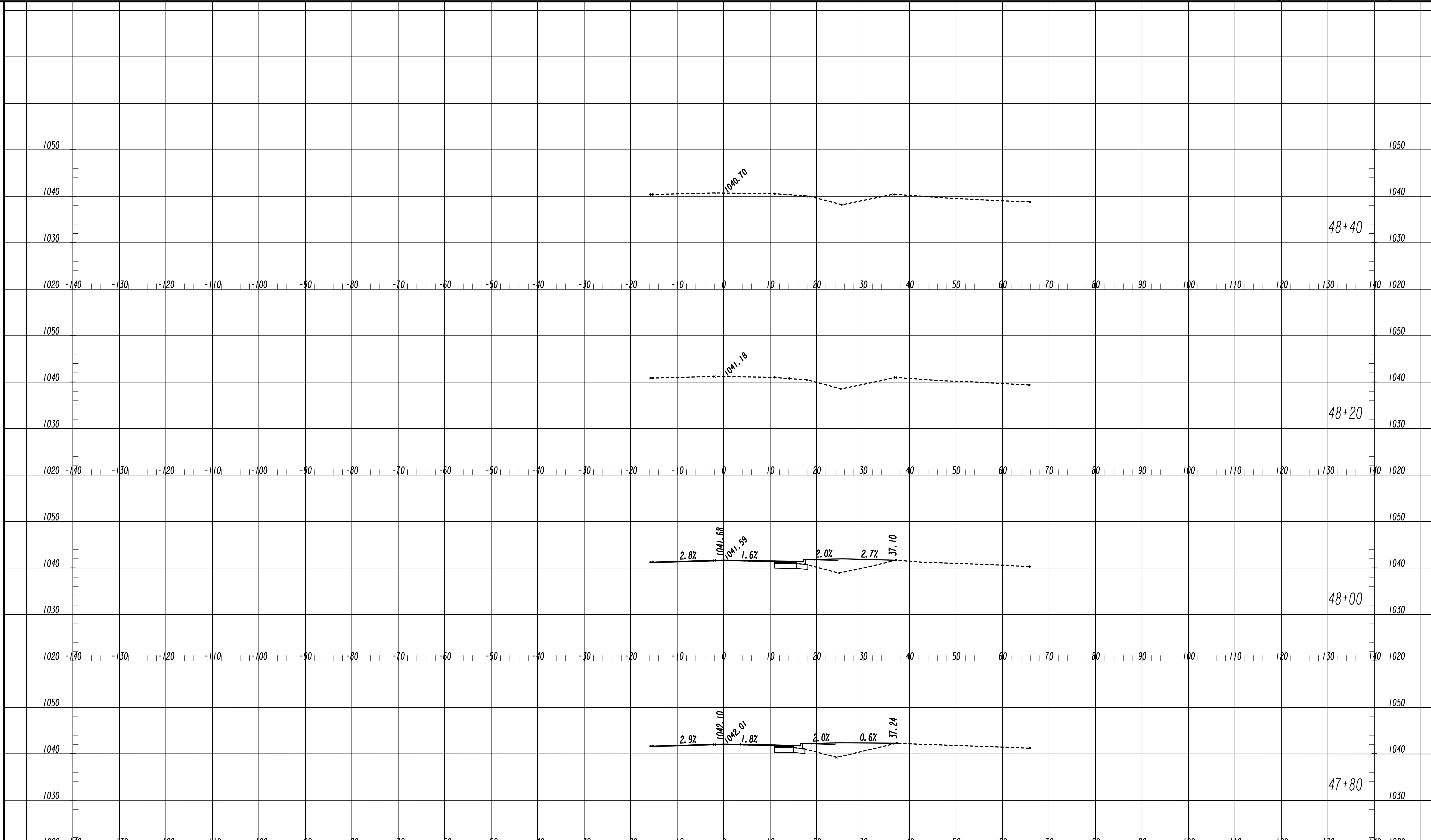
REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
23-0044

7/31/2015 SUXSEW



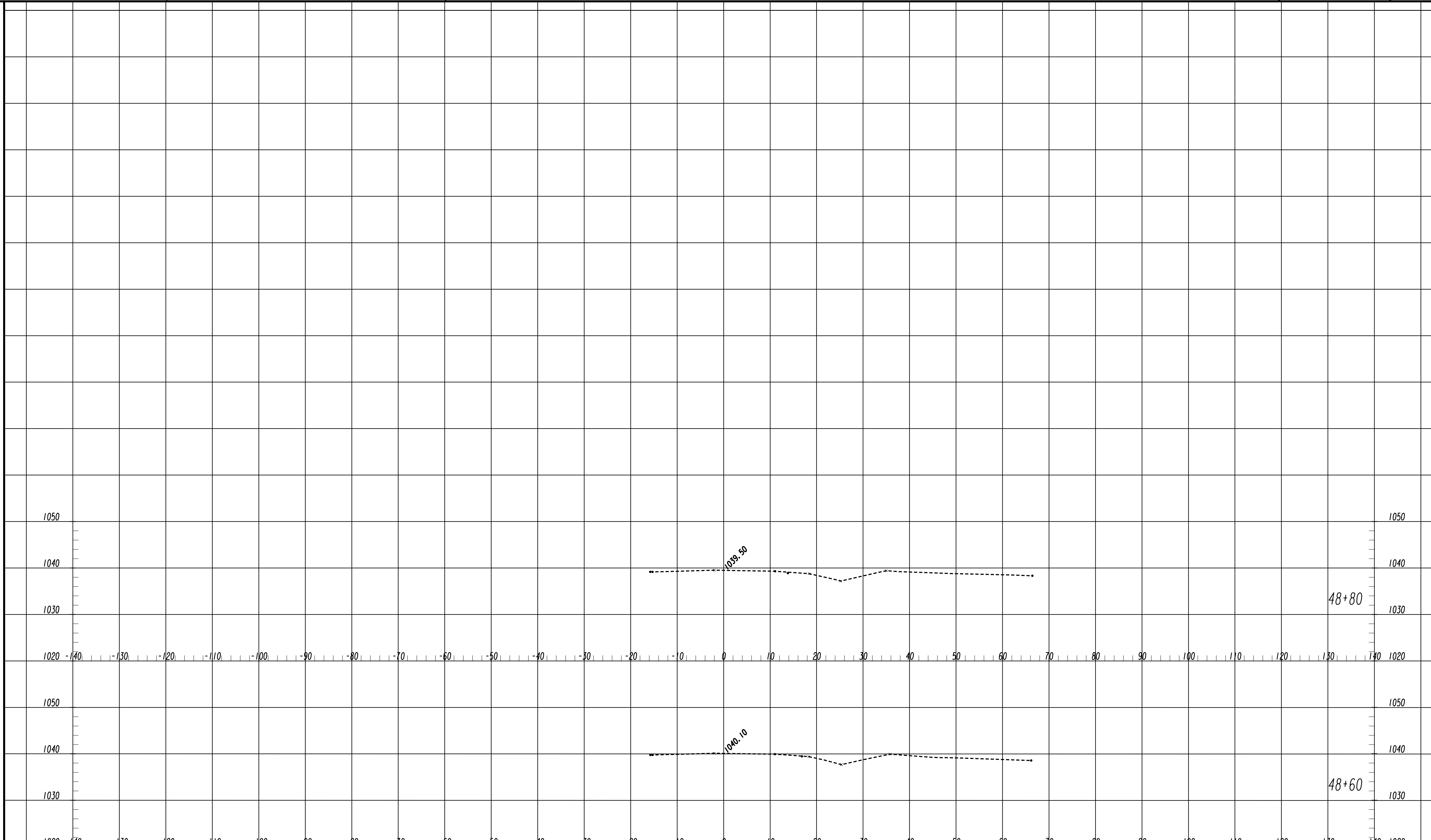
CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0045
CORRECTED:		DATE:		
VERIFIED:		DATE:		



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES

CROSS SECTIONS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0046

1/27/2020 4:27:17 PM clay.mckinney gplotborder-V8I-PO.tbl 2016042_24-0000.dgn P.I. No.

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	E	E	E	ELECTRIC
	E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
	E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
	E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	GW	GW	GW	GUY WIRE
	T	T	T	TELECOMMUNICATIONS
	T-TV	T-TV	T-TV	TELECOMUNICATIONS/CABLE TV
	TV	TV	TV	CABLE TV
UNDERGROUND	E	E	E	ELECTRIC
	T	T	T	TELECOMMUNICATIONS
	TV	TV	TV	CABLE TV
	W	W	W	WATER
	W	W	W	WATER FOR LABELED PIPE SIZES
	NW	NW	NW	NON-POTABLE WATER
	NW	NW	NW	NON-POTABLE WATER FOR LABELED PIPE SIZES
	STM	STM	STM	STEAM
	STM	STM	STM	STEAM FOR LABELED PIPE SIZES
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION
	SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
	SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
	G	G	G	GAS
	G	G	G	GAS FOR LABELED PIPE SIZES
	P	P	P	PETROLEUM
	P	P	P	PETROLEUM FOR LABELED PIPE SIZES

UTILITY SYMBOLS

EXISTING / PROPOSED / TEMPORARY

- UTILITY POLE/GUY POLE
- LIGHT POLE
- GUY ANCHOR
- MARKER
- SPLICE BOX
- CABINET
- VENT
- ELECTRIC MANHOLE
- HAND HOLE
- TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- TRANSMISSION TOWER
- TELECOMMUNICATIONS MANHOLE
- TELECOMMUNICATIONS PEDESTAL
- SUBCRIBER LOOP CARRIER (aka "SLICK")
- PHONE BOOTH
- CABLE TV PEDESTAL
- CABLE TV MANHOLE
- WATER VALVE
- WATER METER
- WATER MANHOLE

EXISTING / PROPOSED / TEMPORARY

- FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
- BACKFLOW PREVENTER
- PRESSURE INDICATOR VALVE
- AIR RELEASE VALVE
- WELL
- WATER VAULT
- WATER VALVE MARKER
- STAND PIPE
- CLEANOUT
- SANITARY SEWER MANHOLE
- AIR RELEASE VALVE
- GREASE TRAP
- SANITARY SEWER FORCE MAIN VALVE
- GAS VALVE
- GAS METER
- GAS MANHOLE
- GAS PRESSURE REGULATOR
- GAS VAULT
- GAS TEST STATION
- PETROLEUM VALVE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET 0 20 40 80

REVISION DATES

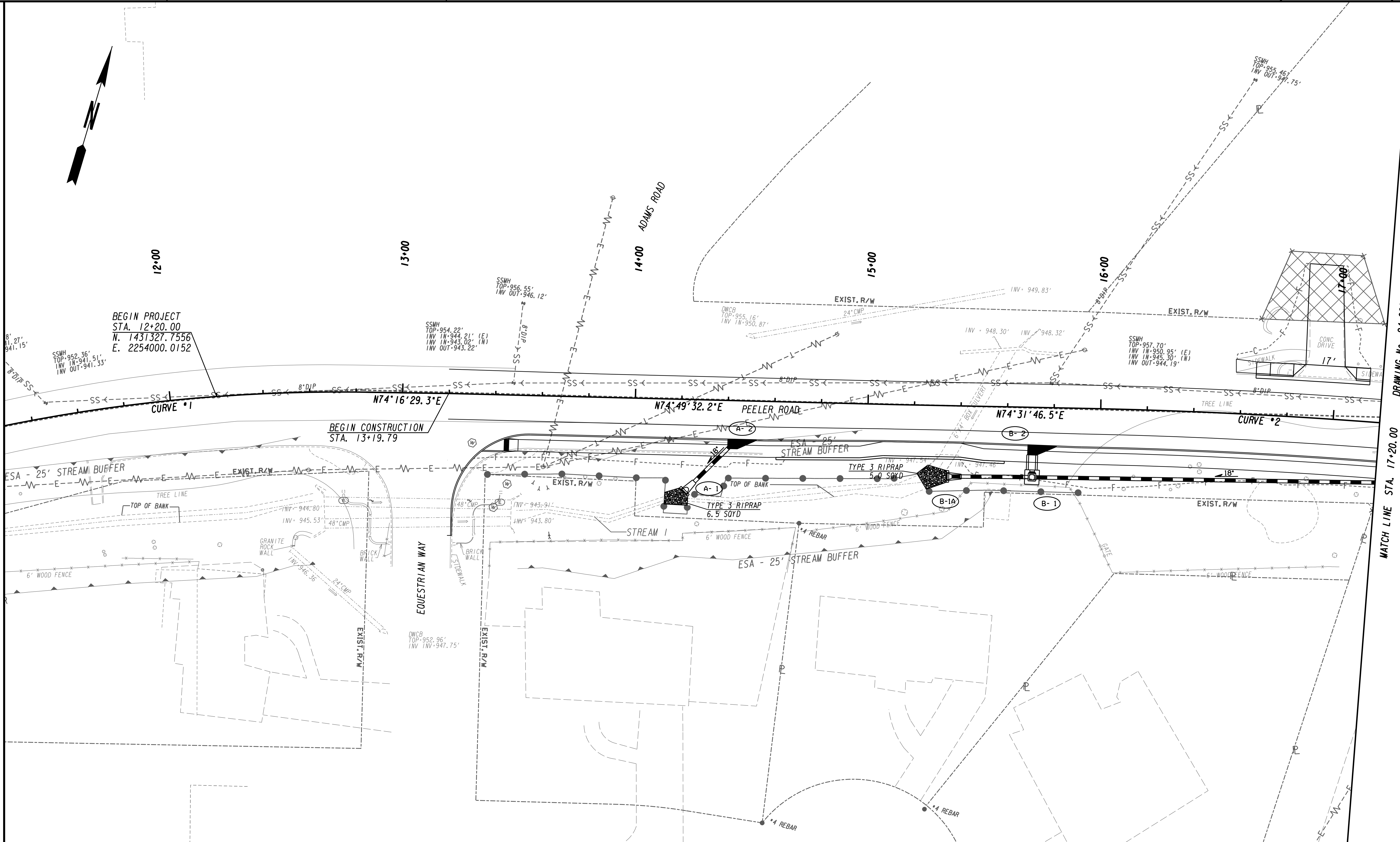
UTILITY PLANS

PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0000

LEGEND



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA	
END LIMIT OF ACCESS.............ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

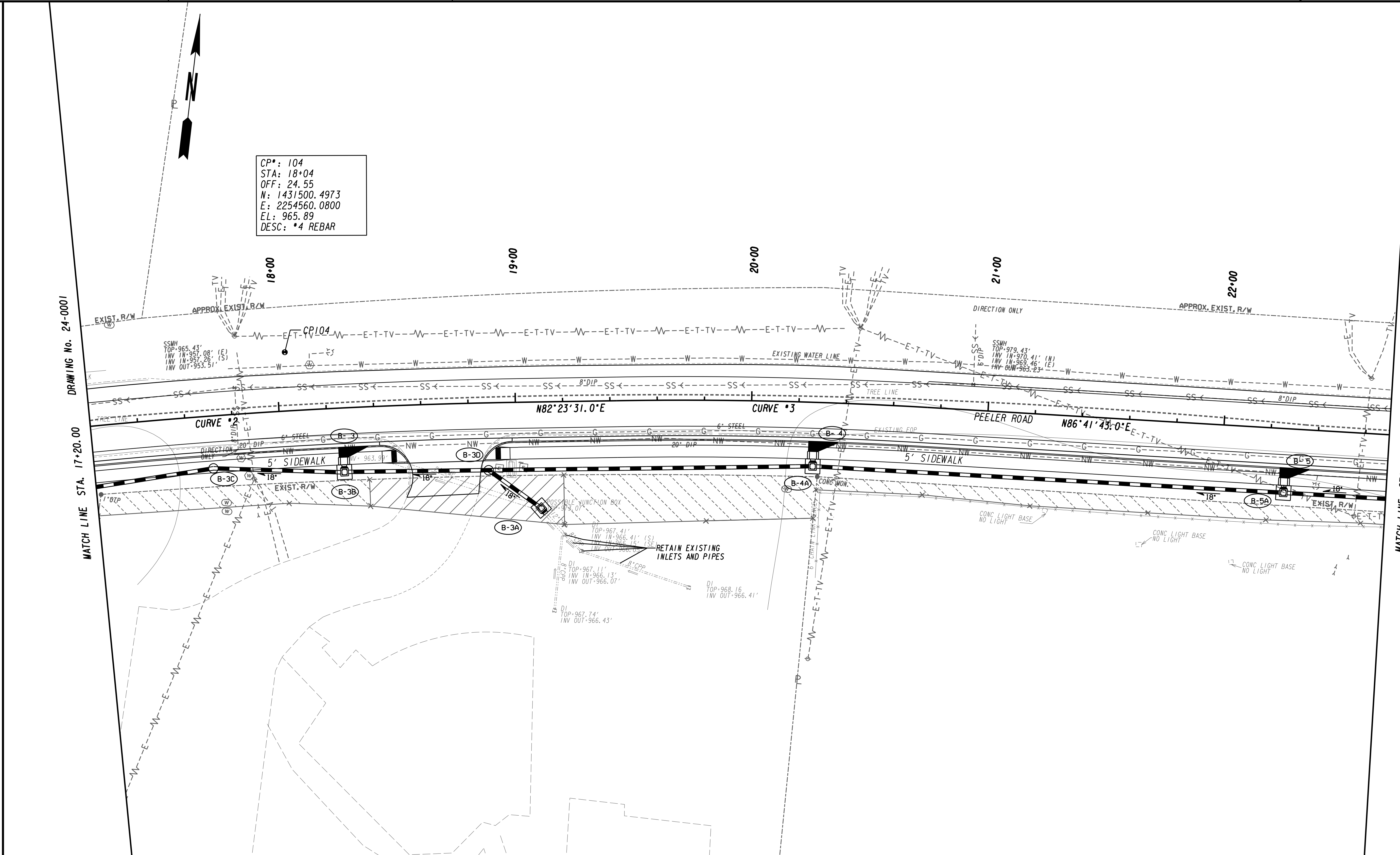
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0001



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—C—F—
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

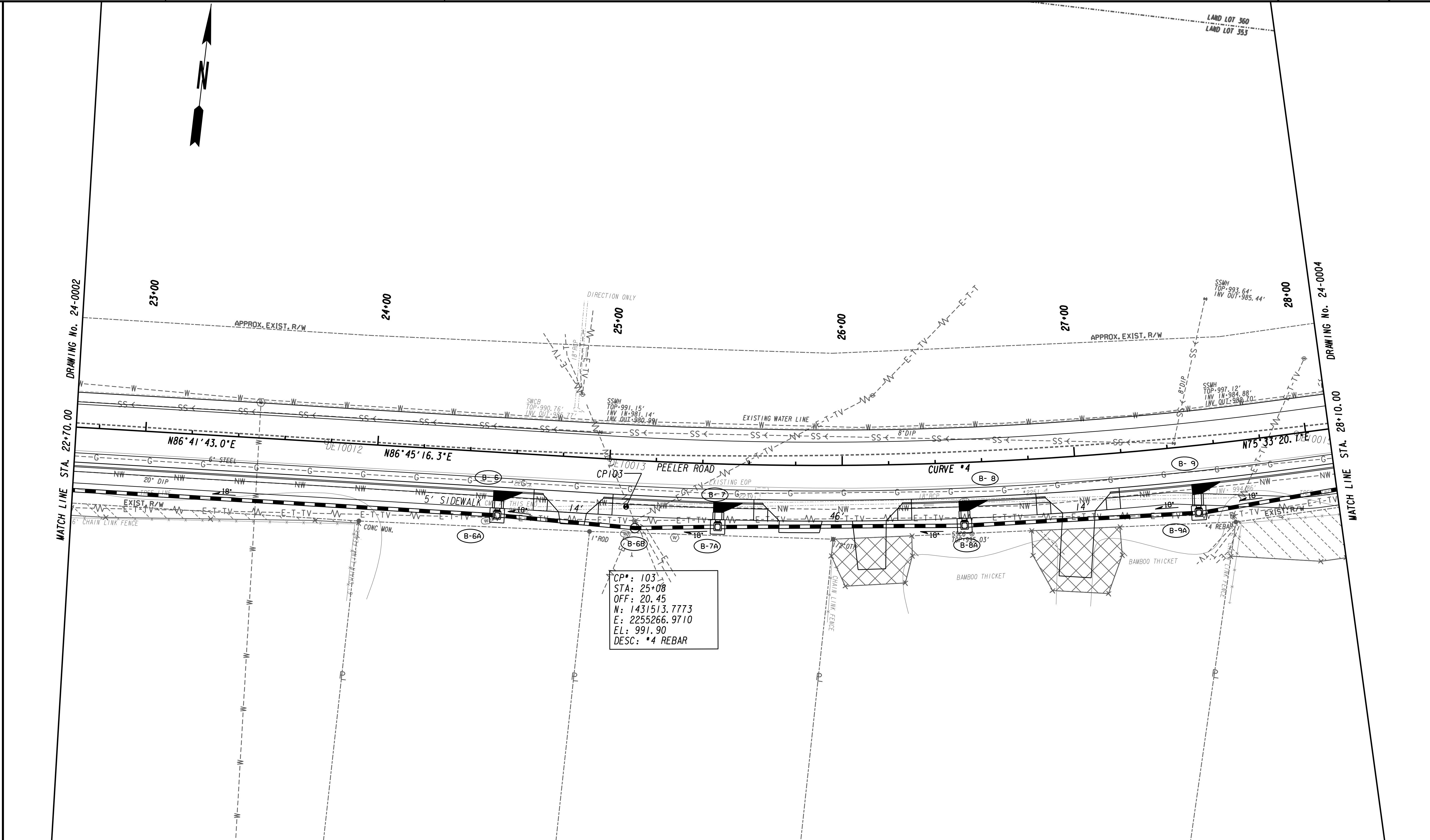
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
24-0002



PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	— C — F —	LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION OF SLOPES		ORANGE BARRIER FENCE
EASEMENT FOR CONSTRUCTION OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

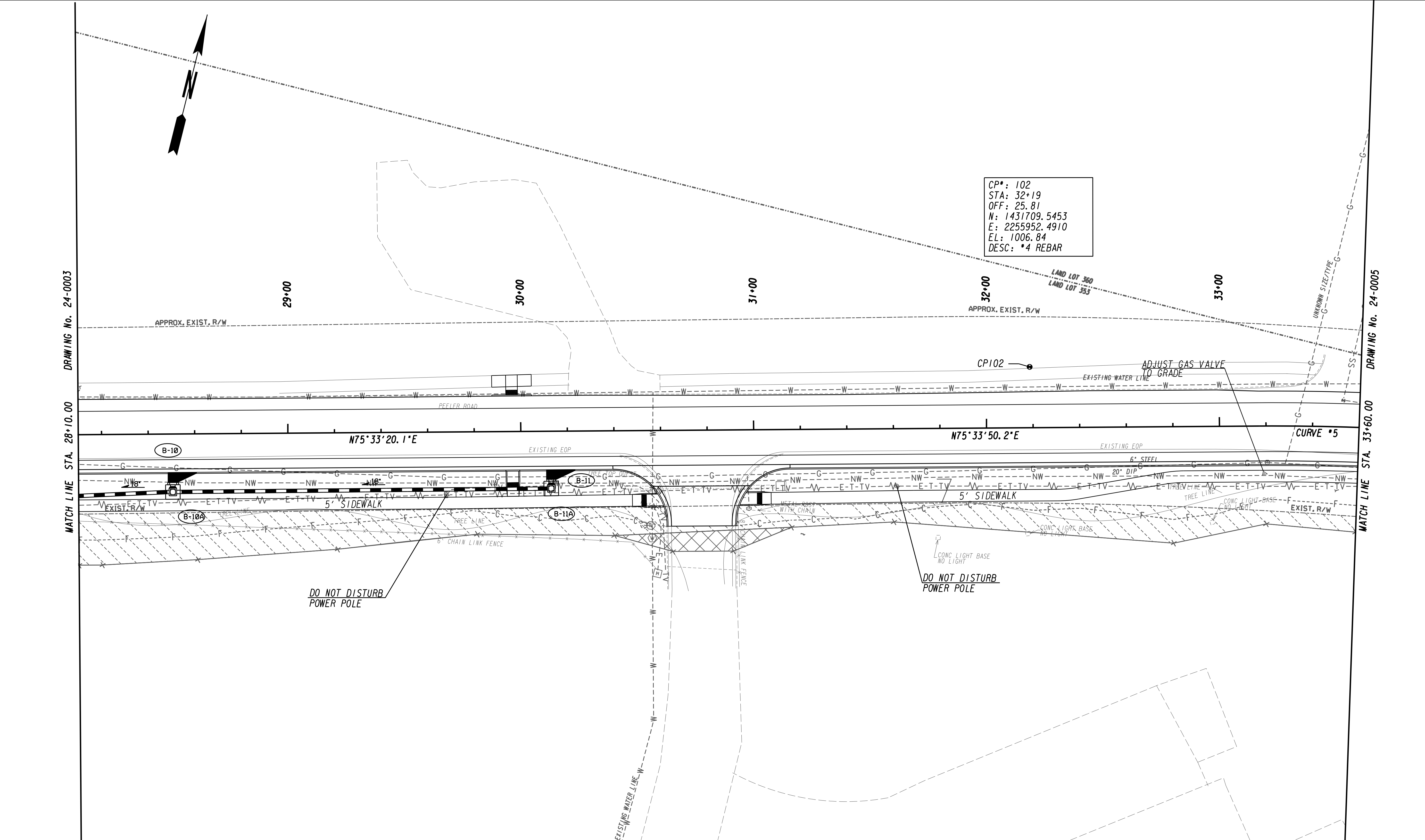
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
24-0003



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

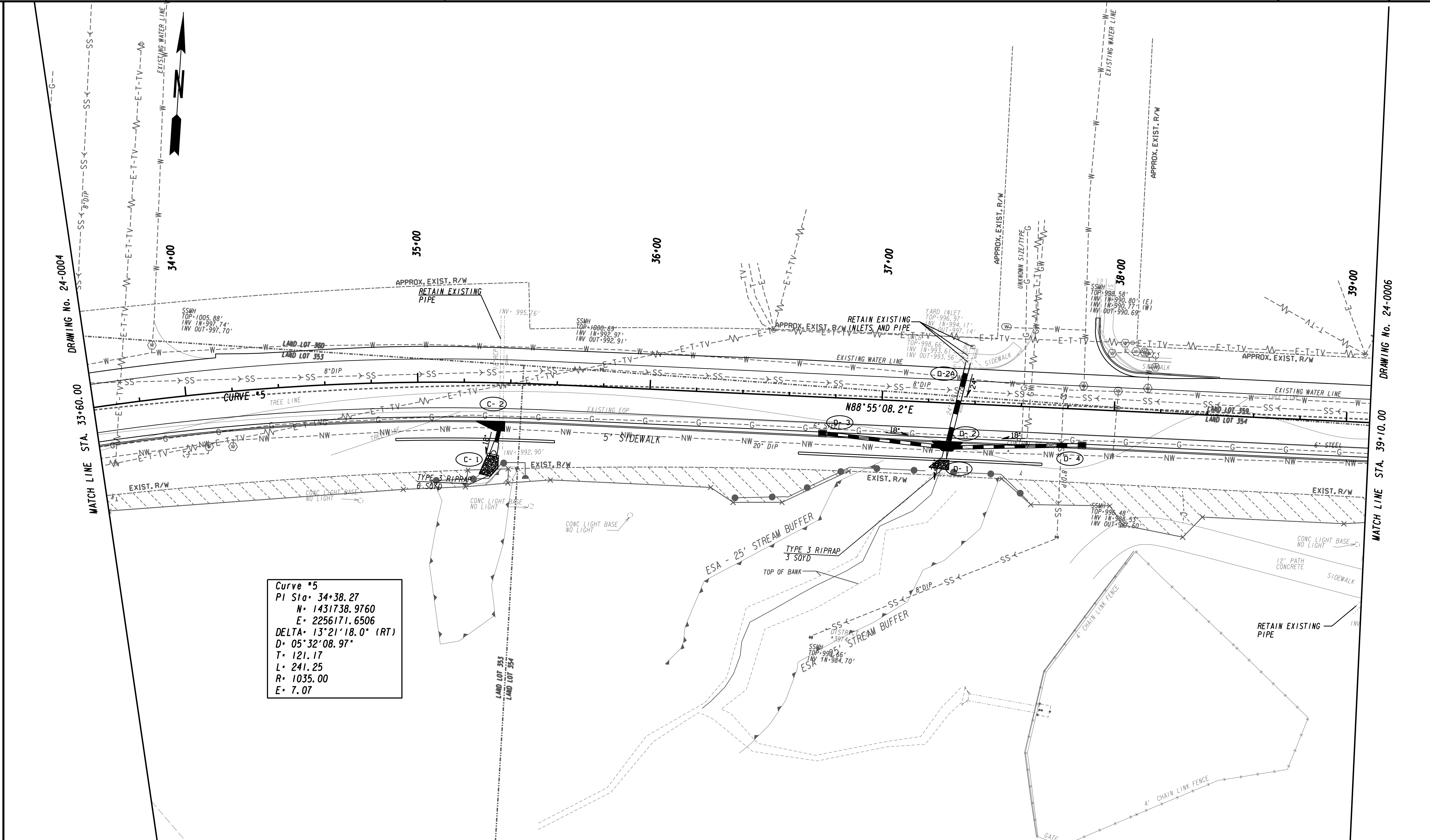
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0004



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N= 1431738.9760
E= 2256171.6506
DELTA= 13°21'18.0" (RT)
D= 05°32'08.97"
T= 121.17
L= 241.25
R= 1035.00
E= 7.07

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0005

1/27/2020 4:28:31 PM GPLOT-V8 2016042_24-0006.dgn

clay.mckinney gplotborder-V8I-PO.tbl

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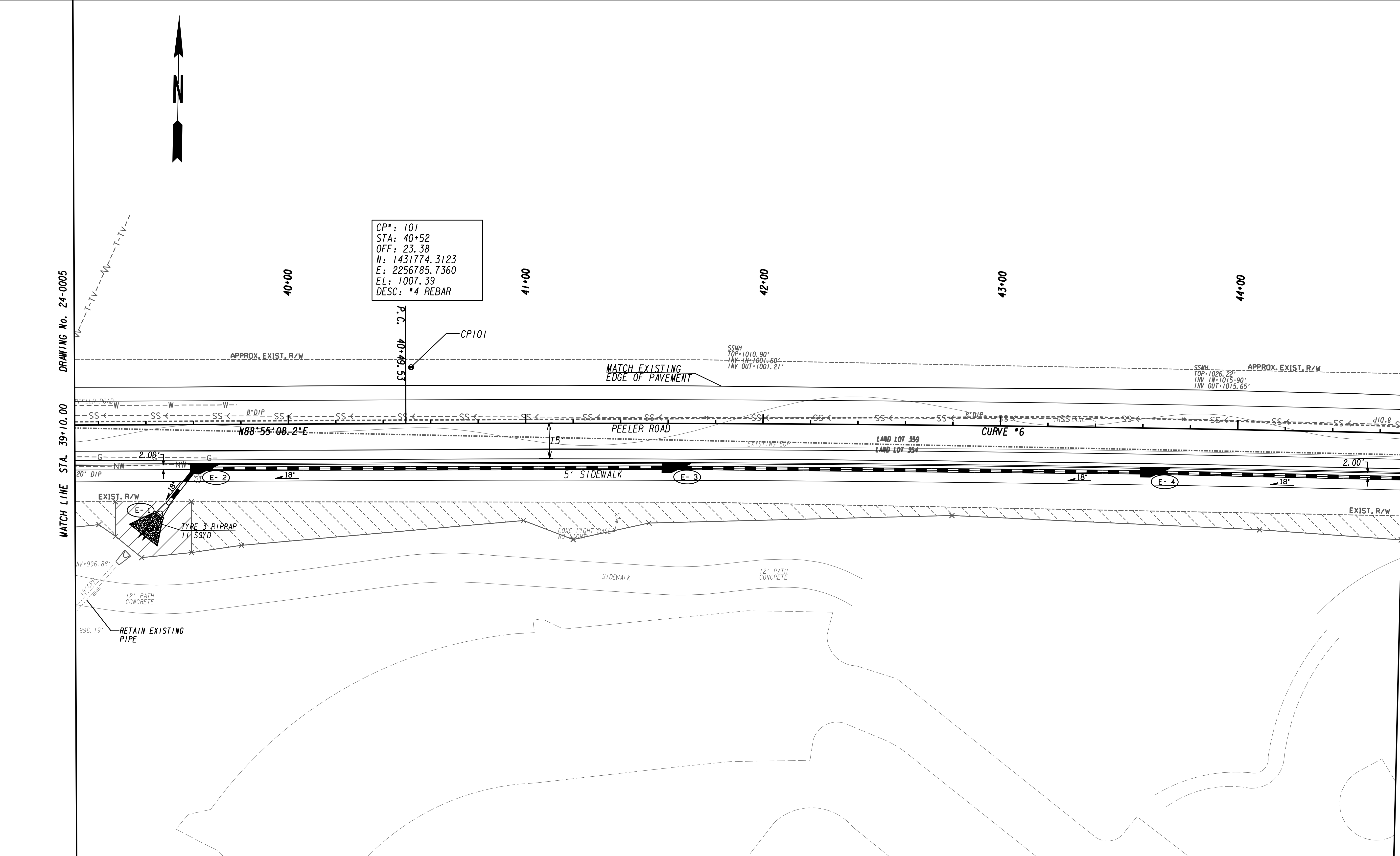


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS..............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

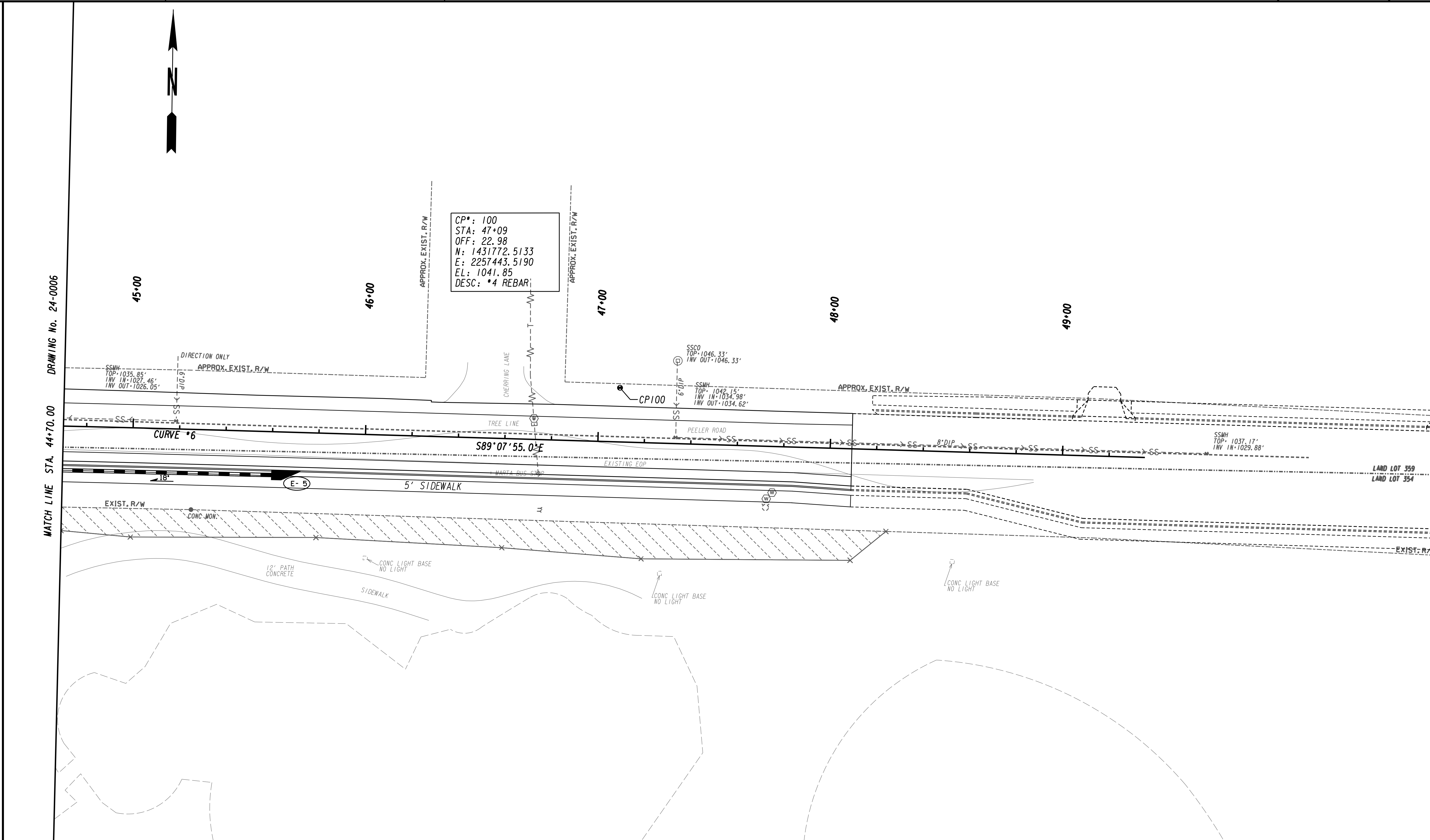
REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
24-0006

10/23/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS — C — F —
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

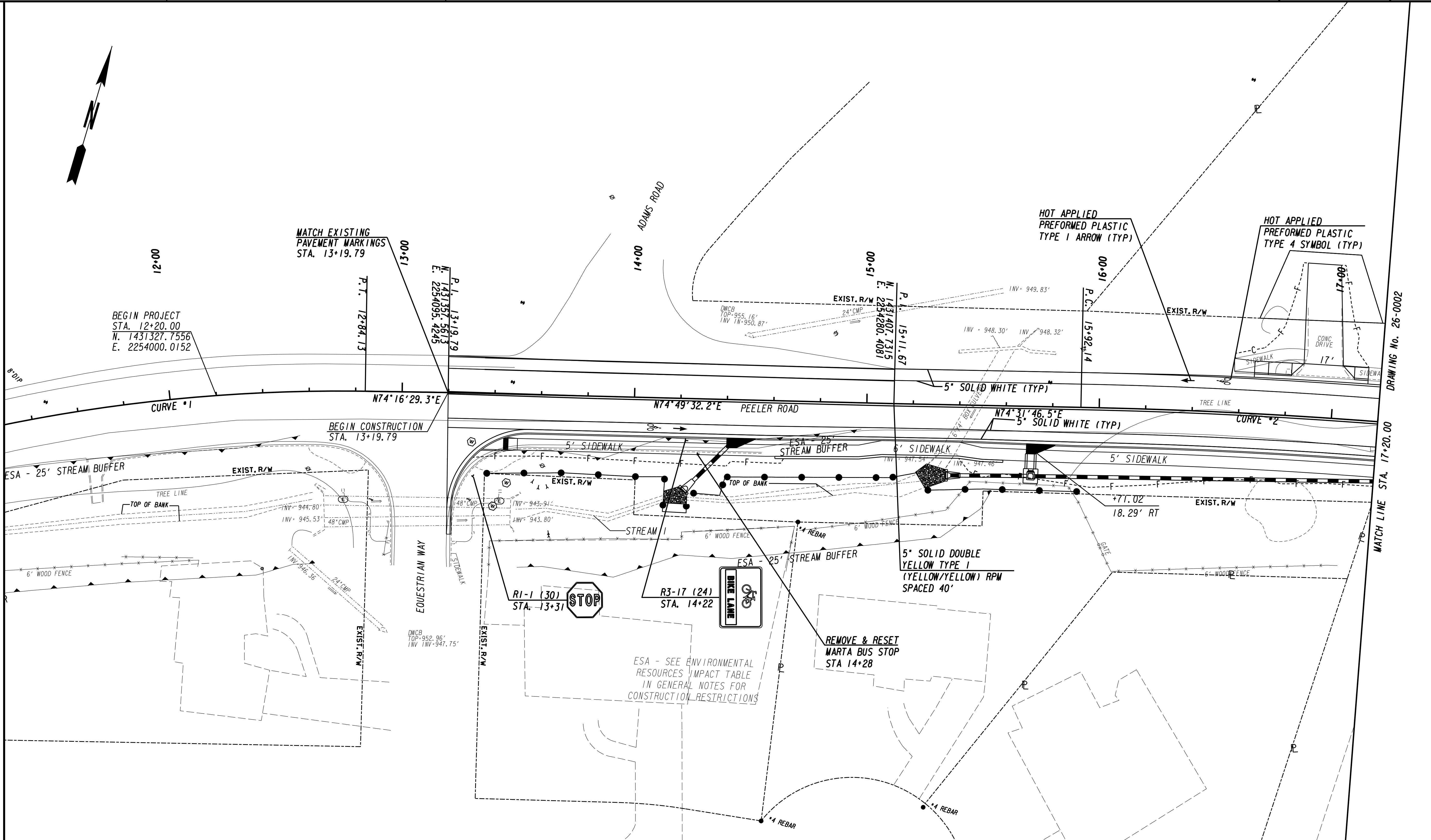
SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
24-0007



PROPERTY AND EXISTING R/W LINE	----℞----
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—C— —F—
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

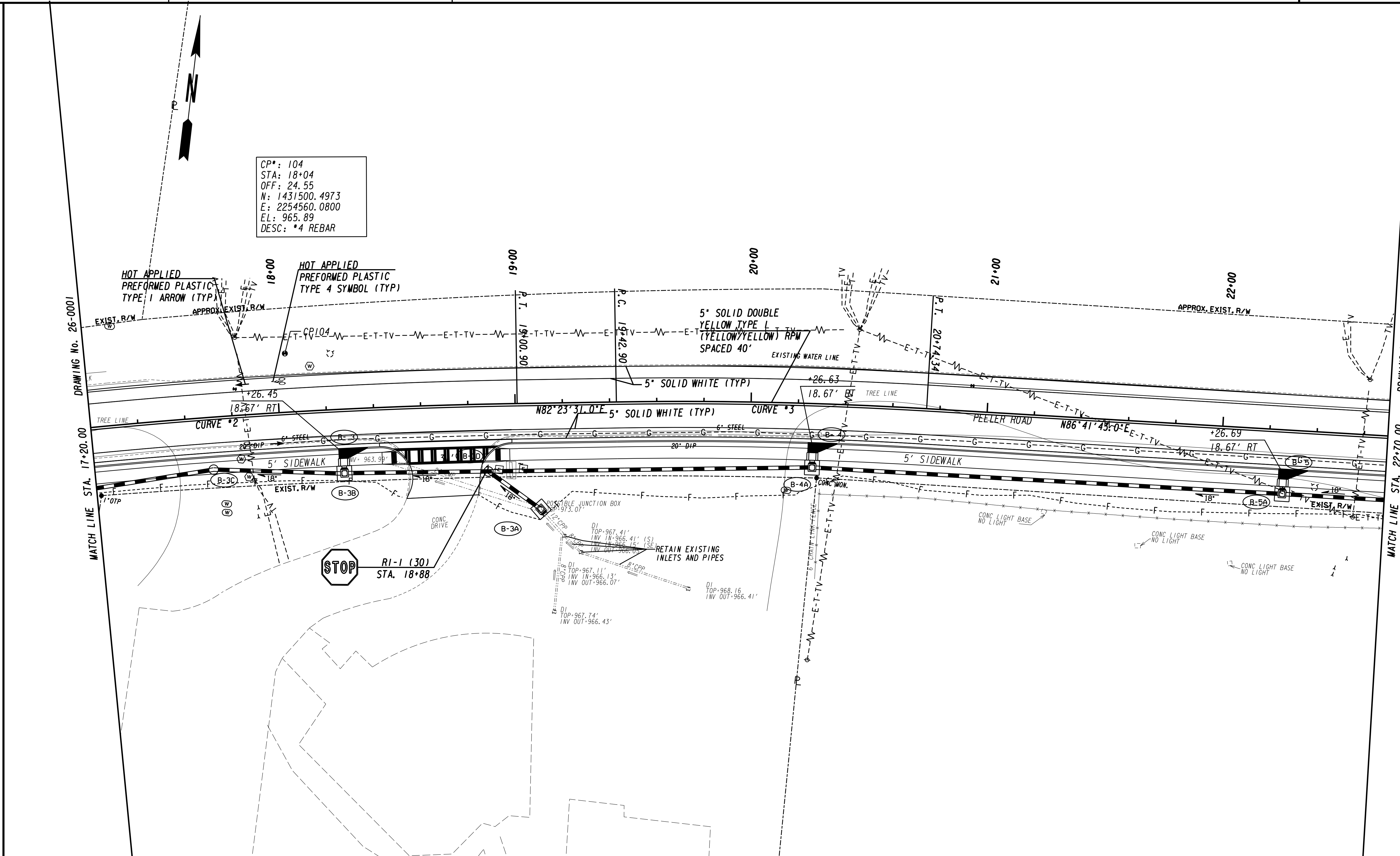
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
26-0001



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX
ENGINEERS + CONSULTANTS

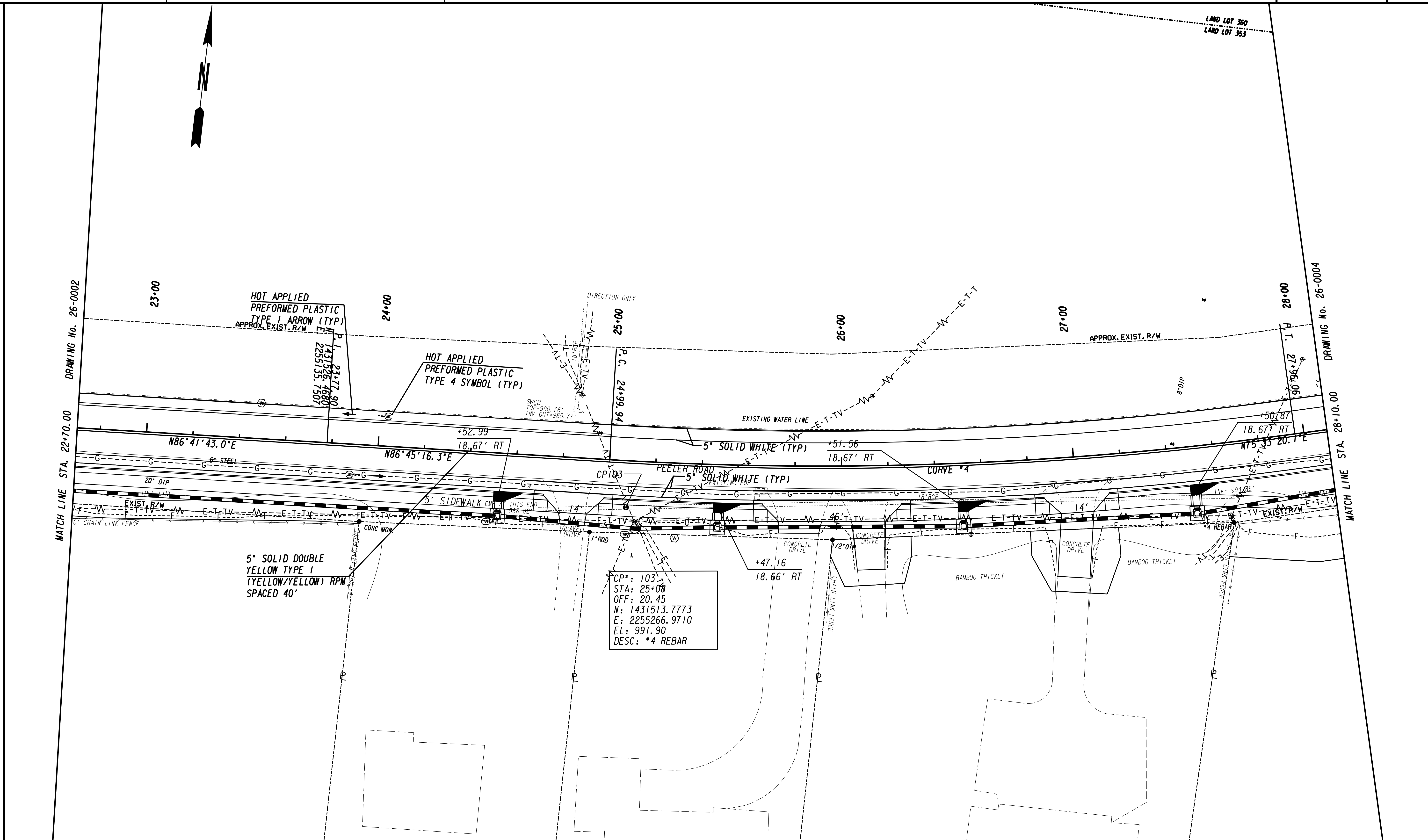
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
26-0002



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REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA	
CONSTRUCTION LIMITS	C F	LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTRUCTION OF SLOPES		ORANGE BARRIER FENCE	
EASEMENT FOR CONSTRUCTION OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

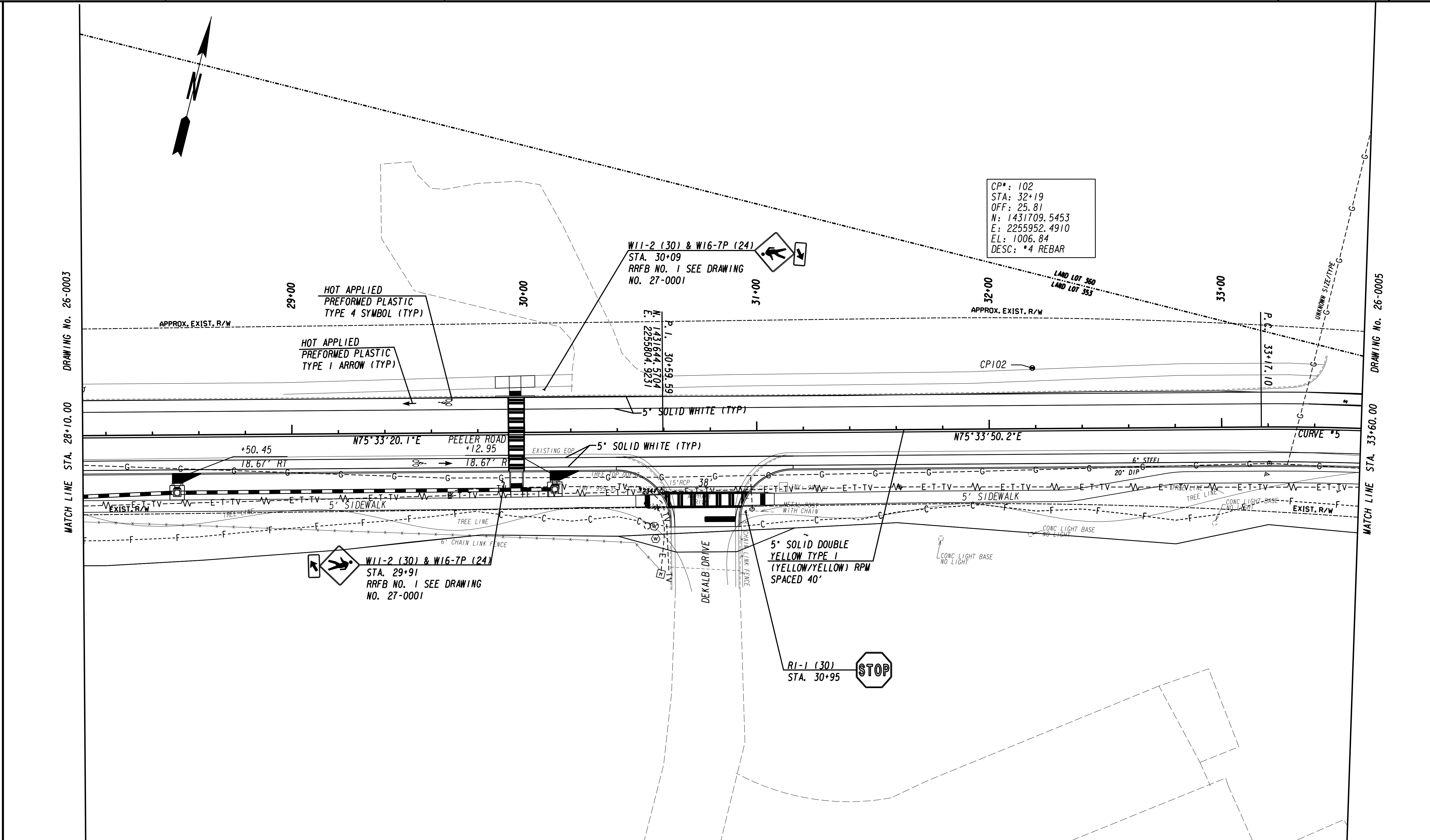
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
26-0003



PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE		END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	—C— —F—	LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION OF SLOPES		ORANGE BARRIER FENCE
EASEMENT FOR CONSTRUCTION OF DRIVES		ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

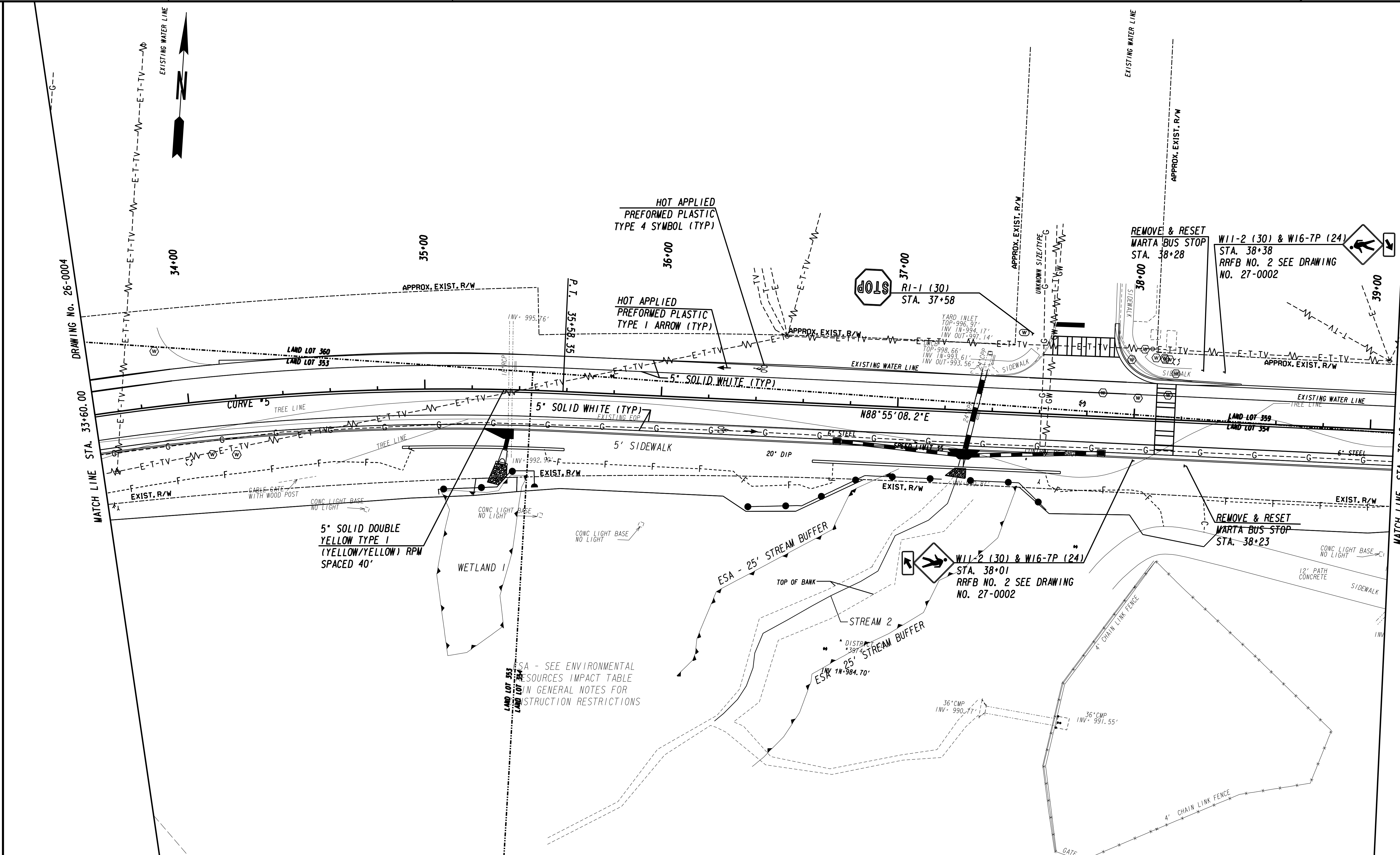
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

PEELER ROAD SIDEWALK

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	26-0004
CORRECTED:		DATE:	
VERIFIED:		DATE:	



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

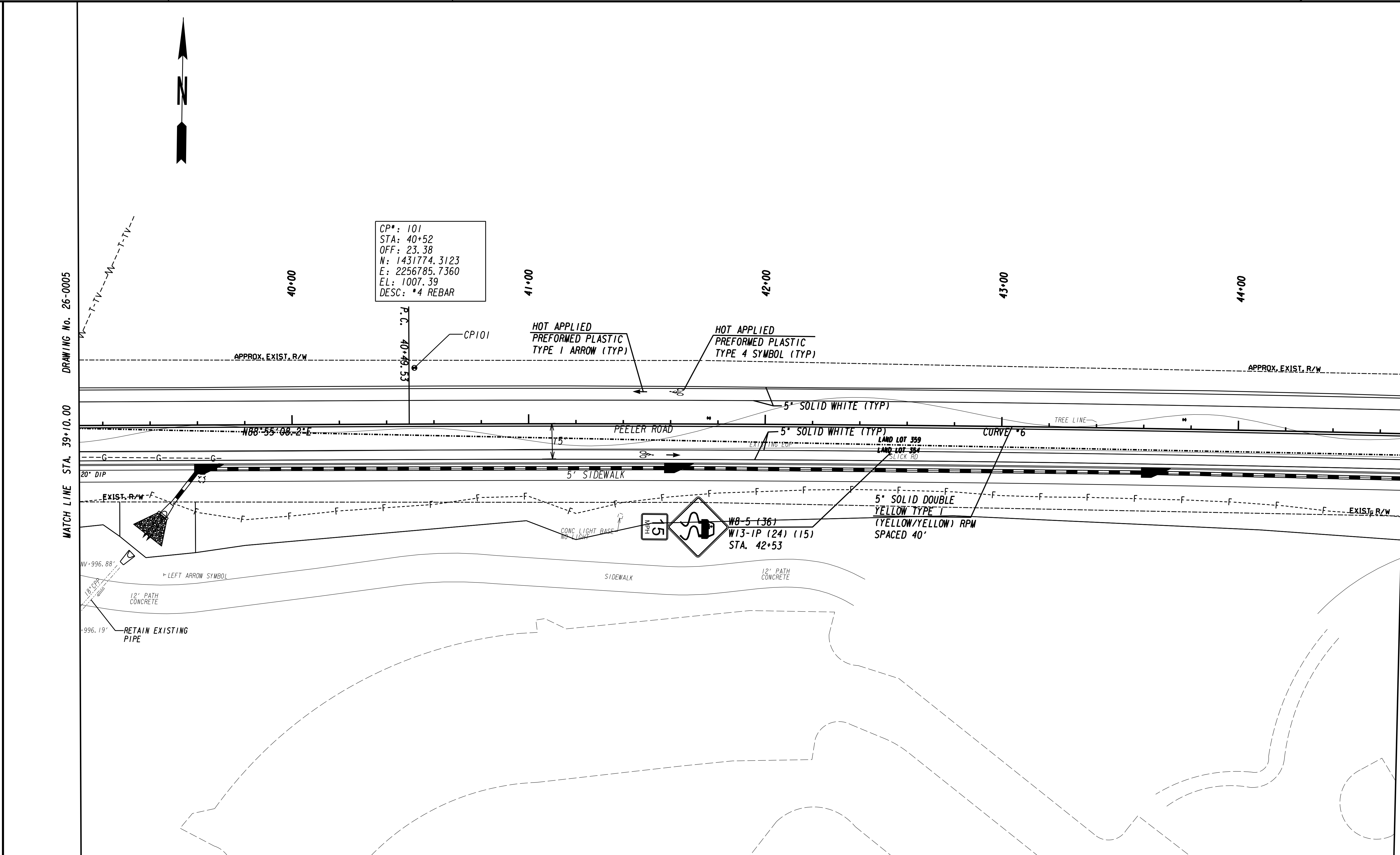
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
26-0005



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—C— —F—
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

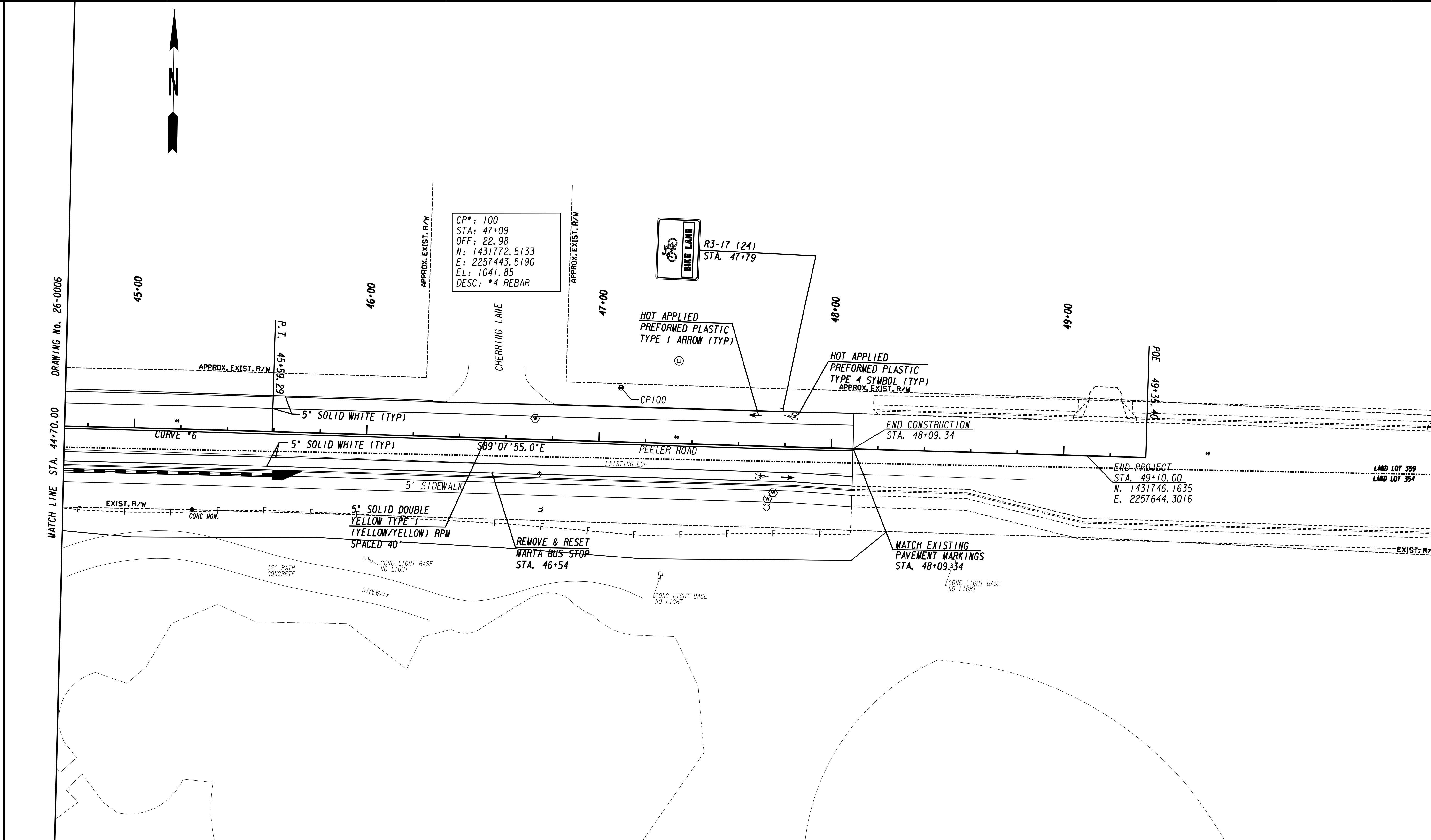
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 26-0006



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET 0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 26-0007

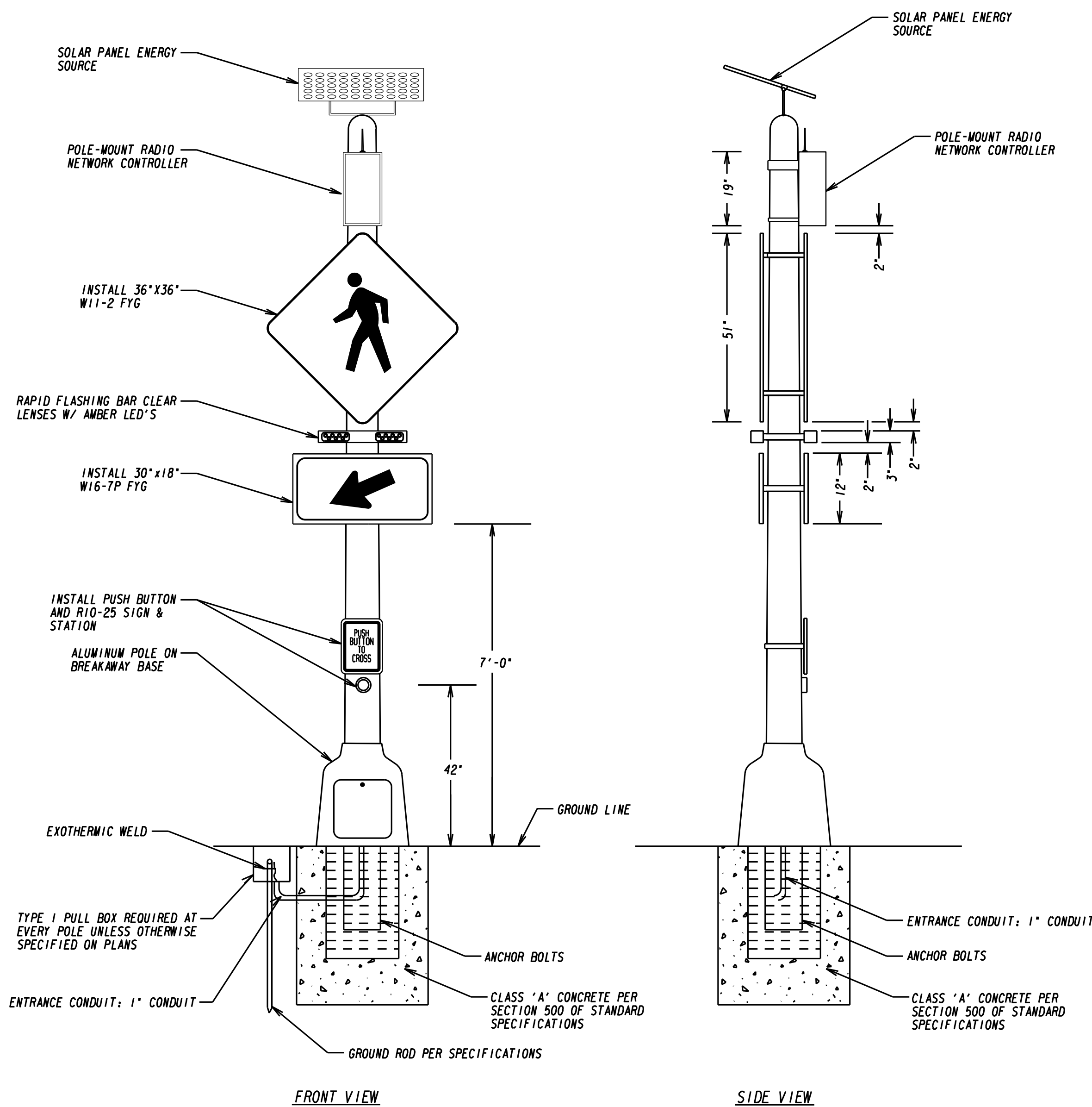
LIST OF MATERIALS - INSTALLATION NO. 1

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

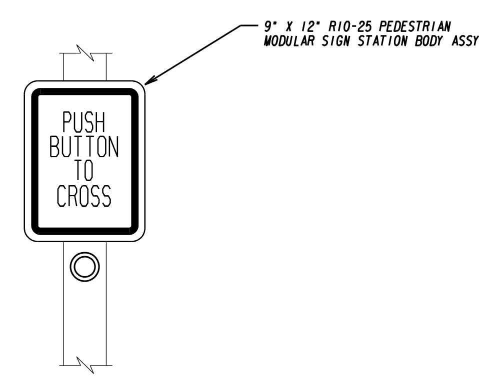
MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE	EA	2
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"X12" R10-25 ON PED STATION	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	2
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	2
MISC MATL TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
999-3800B	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 1-PEELER RD	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEASON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



DOUBLE-SIDED RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION



CALYX ENGINEERS + CONSULTANTS

N. T. S.

REVISION DATES		

SIGNAL PLANS

INSTALLATION NO. 1
DETAIL - PEELER RD

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 27-0001

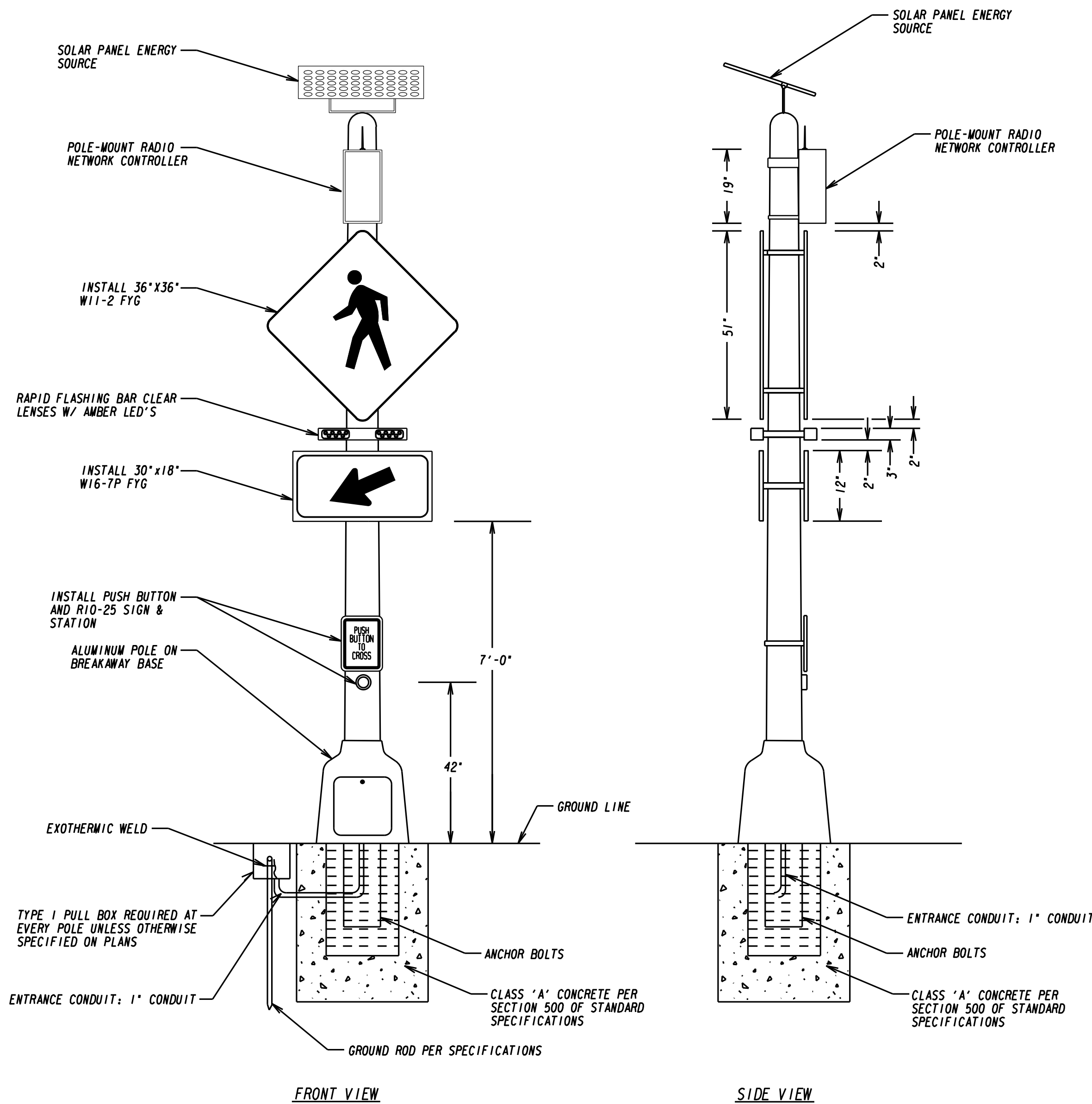
LIST OF MATERIALS - INSTALLATION NO. 2

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

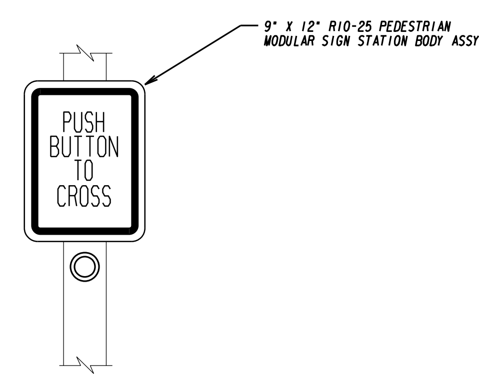
MATERIALS	UNIT	QUANTITY
14' PEDESTAL POLE WITH BREAKAWAY BASE	EA	2
PEDESTRIAN PUSH BUTTON STATIONS, W/ BUTTONS AND SIGNS		
1. 9"X12" R10-25 ON PED STATION	EA	2
PEDESTRIAN POLE MOUNTED RAPID FLASHING BAR	EA	4
PEDESTRIAN POLE MOUNTED WIRELESS RADIO NETWORK CONTROLLER	EA	2
PEDESTRIAN POLE MOUNTED SOLAR PANEL ENERGY SOURCE	EA	2
MISC MATL TO COMPLETE INSTALLATION	LUMP SUM	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
999-3800B	RECTANGULAR RAPID BEACON ASSEMBLY INSTALLATION NO. 2-PEELER RD	LUMP SUM	1
999-3900	TESTING - RECTANGULAR RAPID BEASON ASSEMBLY	LUMP SUM	1
999-3975	TRAINING - RECTANGULAR RAPID BEACON ASSEMBLY	LUMP SUM	1



DOUBLE-SIDED RECTANGULAR RAPID FLASHING BEACON SYSTEM
PEDESTRIAN PEDESTAL INSTALLATION



CALYX ENGINEERS + CONSULTANTS

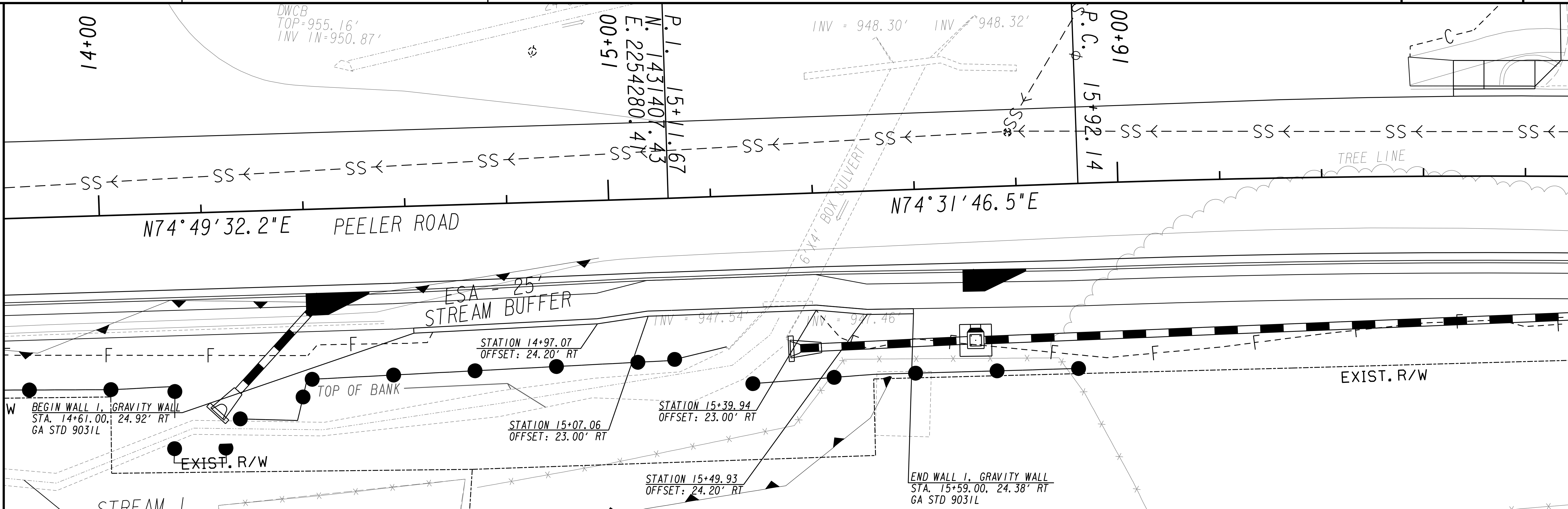
N. T. S.

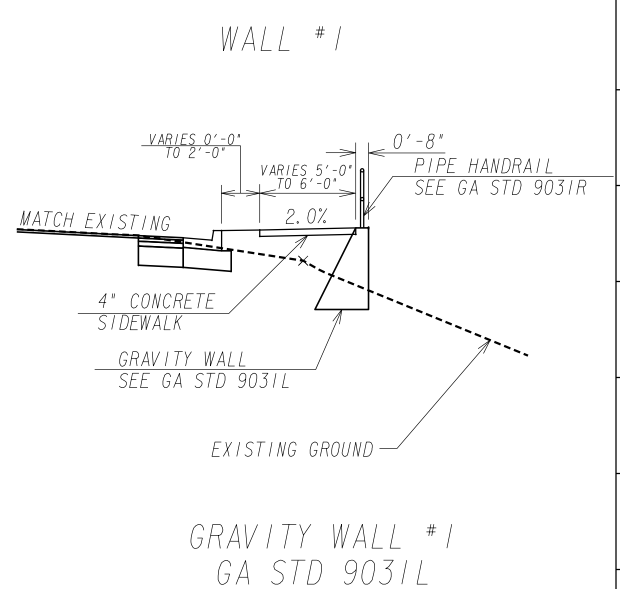
REVISION DATES		

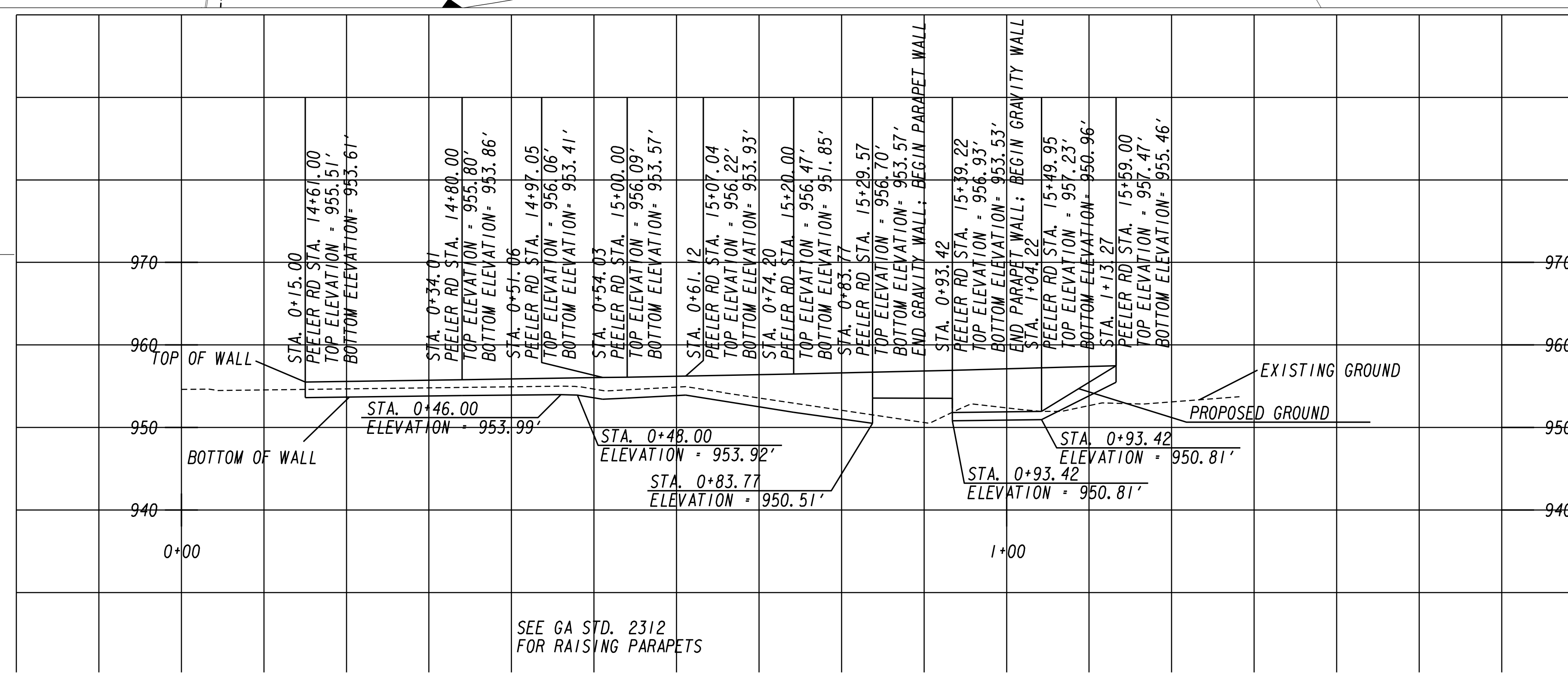
SIGNAL PLANS

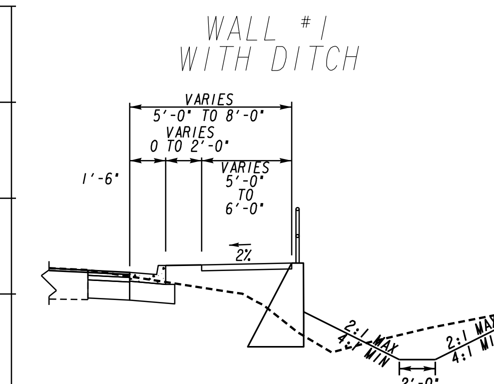
INSTALLATION NO. 2
DETAIL - PEELER RD

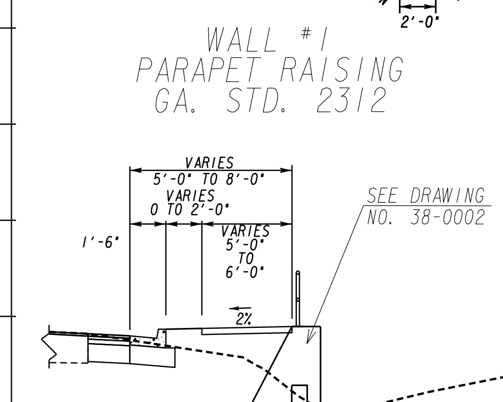
				DRAWING No.
CHECKED:		DATE:		27-0002
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		











CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

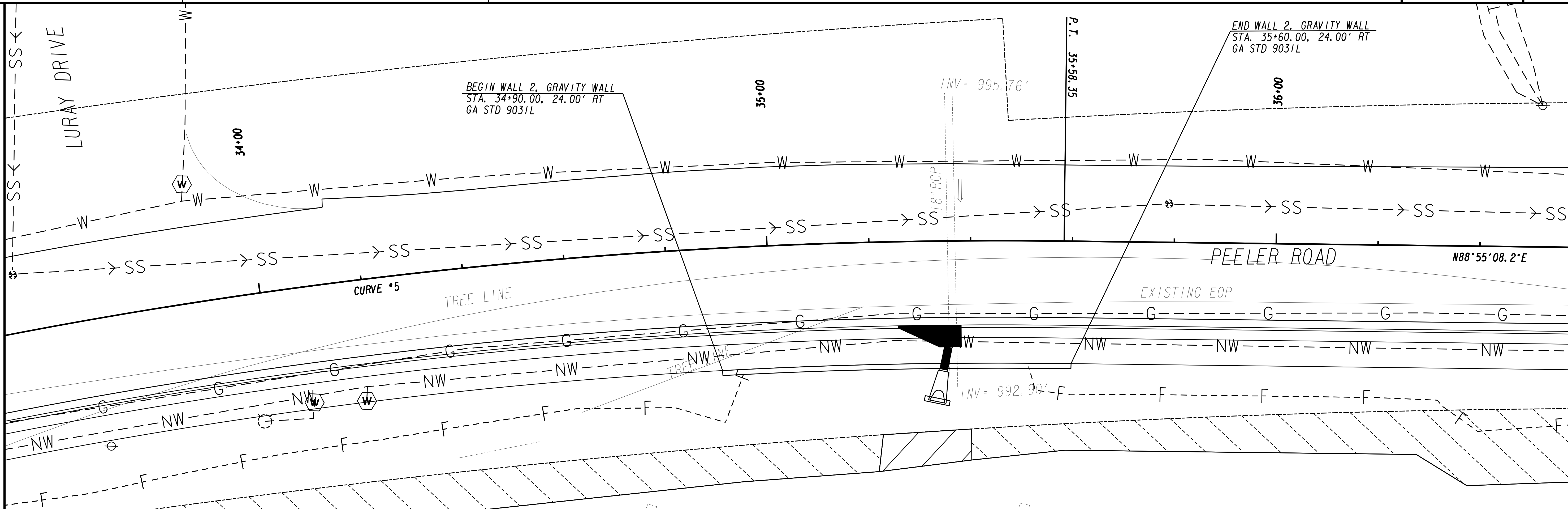
REVISION DATES		

RETAINING WALL ENVELOPES

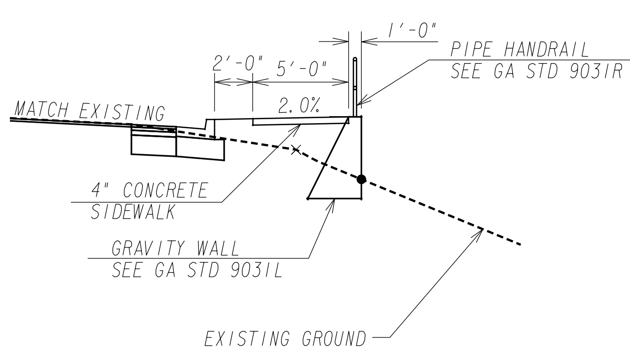
PEELER ROAD SIDEWALK

WALL #1

				DRAWING No.
CHECKED:		DATE:		31-0001
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

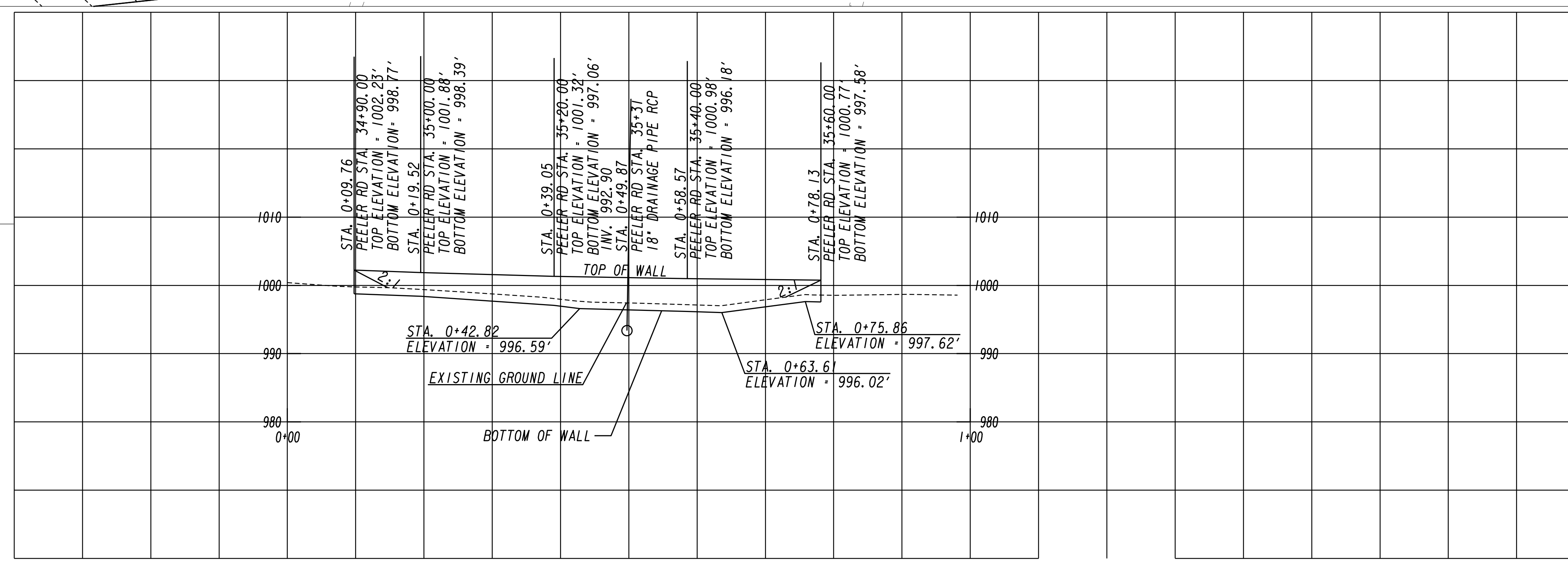


WALL #2



GRAVITY WALL #2
GA STD 9031L

NOT TO SCALE



CALYX ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTIAL: 1" = 10'

REVISION DATES		

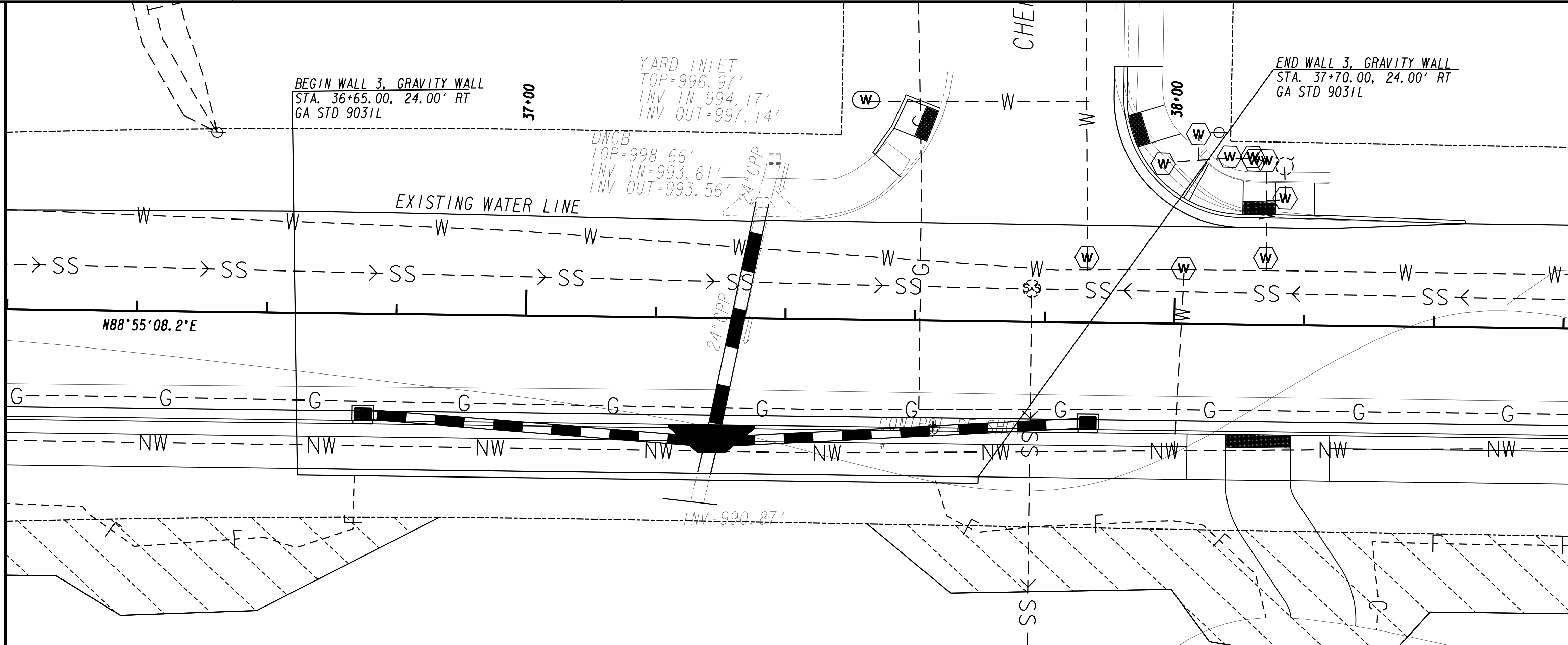
RETAINING WALL ENVELOPES

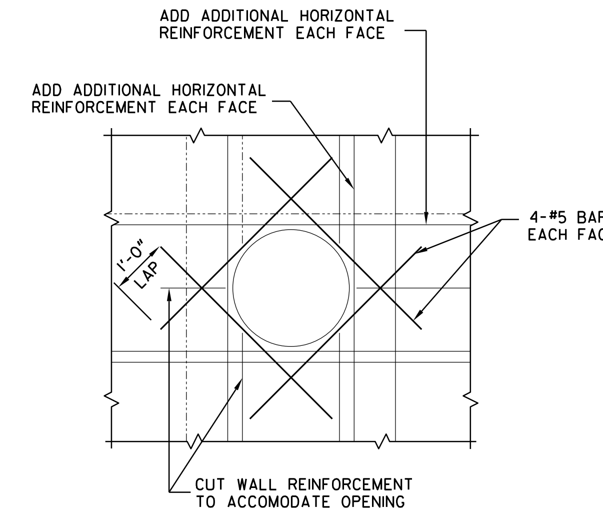
PEELER ROAD SIDEWALK

WALL #2

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 31-0002



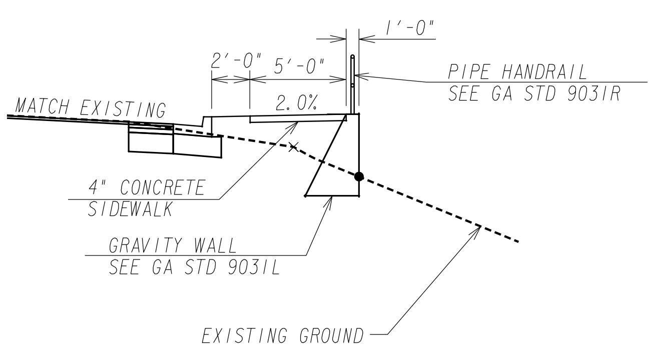


TYPICAL REINFORCING DETAIL

FOR WALL OPENING

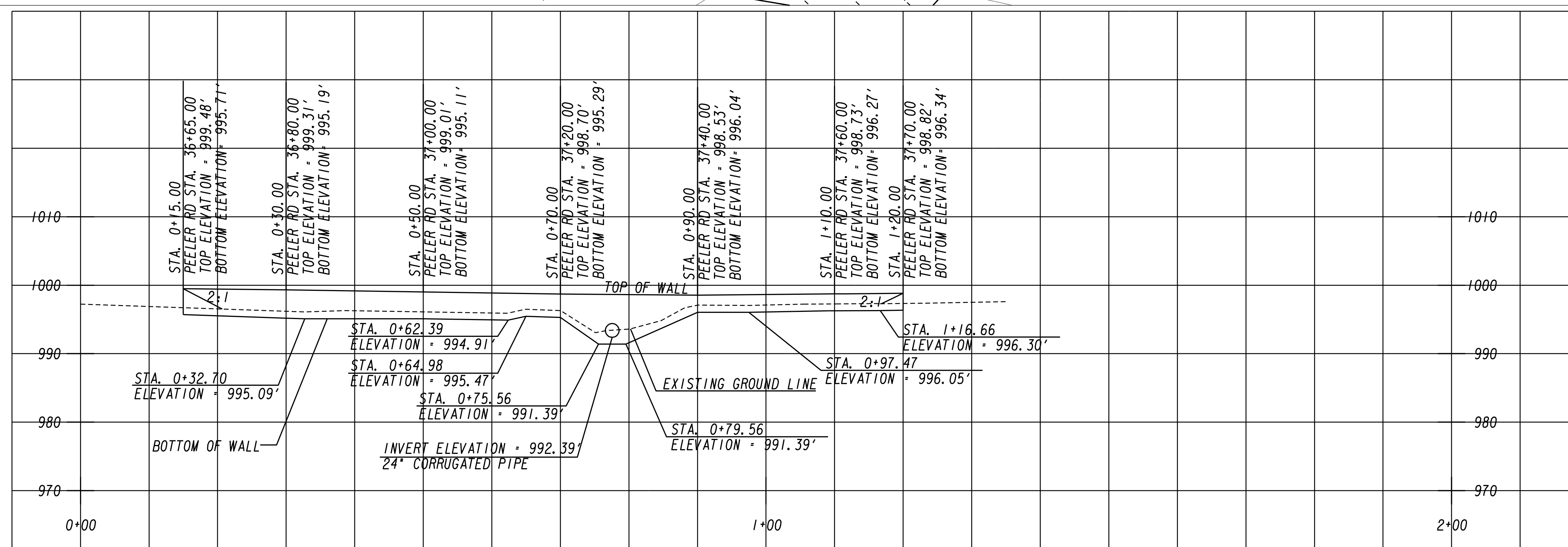
N.T.S

WALL #3



GRAVITY WALL #3
GA STD 9031L

NOT TO SCALE



CALYX
ENGINEERS + CONSULTANTS

HORIZONTAL: 1" = 10'
VERTICAL: 1" = 10'

REVISION DATES

RETAINING WALL ENVELOPES

PEELER ROAD SIDEWALK

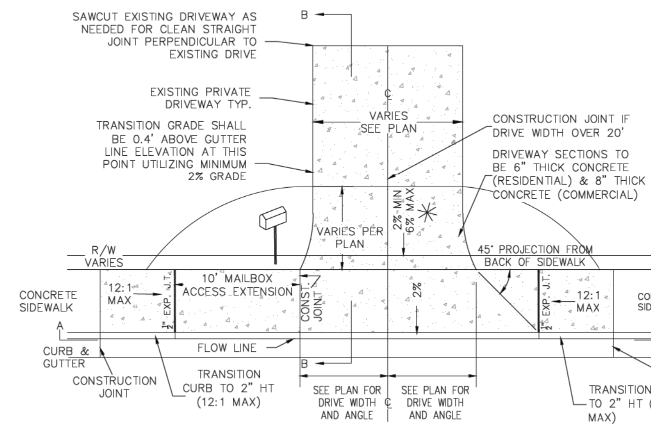
WALL #3

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	31-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

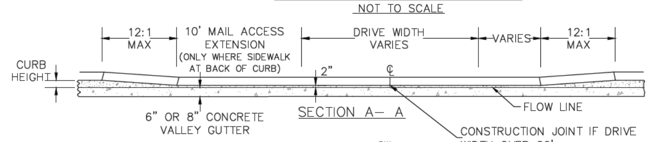
CITY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
DUNWOODY			

✳ ADDITIONAL AREA OF POSITIVE GRADE ONLY REQUIRED FOR NEGATIVE GRADE DRIVEWAYS. IN CASE OF POSITIVE GRADE DRIVES, THE TRANSITION TO MATCH EXISTING GRADES MAY BEGIN IMMEDIATELY AFTER SIDEWALK CROSSING.

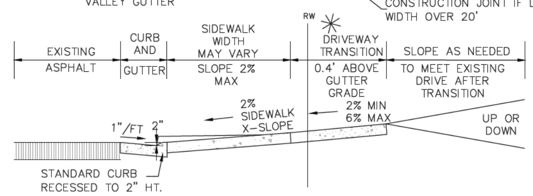
NOTE:
FOR ALL DETAILS AND SPECIFICATIONS NOT NOTED ON THIS DETAIL DRAWING PLEASE SEE GDOT SPECIAL DETAIL A1 (DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS)



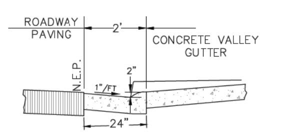
DETAIL #1
DRIVEWAY APRON FOR TYPICAL DRIVEWAY WITHOUT GRASS STRIP PLAN VIEW
NOT TO SCALE



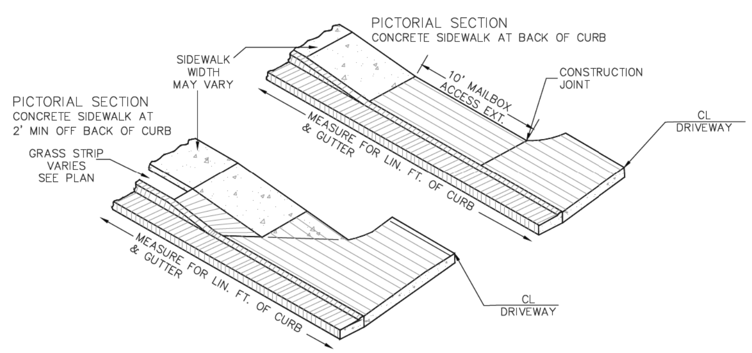
SECTION A- A

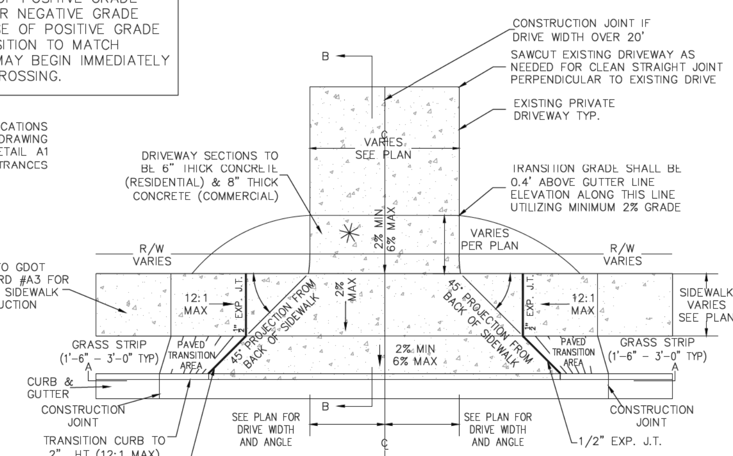


SECTION B-B NOT TO SCALE

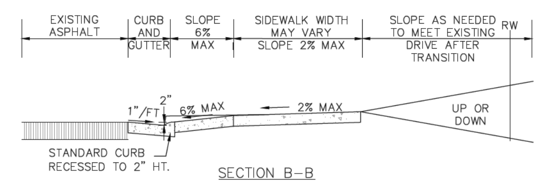


SECTION THRU GUTTER

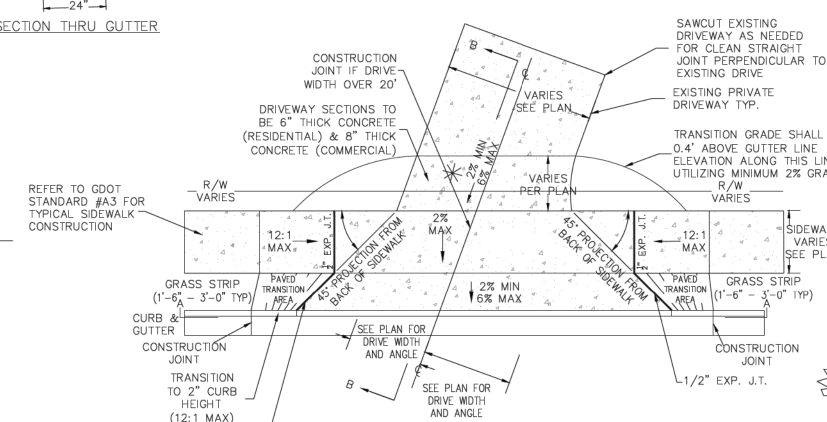




DETAIL #2
DRIVEWAY APRON FOR TYPICAL DRIVEWAY WITH GRASS STRIP PLAN VIEW - NOT TO SCALE



SECTION B-B
NOT TO SCALE



DETAIL #3
DRIVEWAY APRON FOR TYPICAL SKEWED DRIVEWAY WITH GRASS STRIP PLAN VIEW
NOT TO SCALE

GENERAL NOTES

1. QUANTITIES WILL BE MEASURED AS FOLLOWS:
(A) CONCRETE CURB & GUTTER ALONG ROADWAY---
LIN. FT. OF CURB & GUTTER WILL BE MEASURED FOR PAYMENT CONTINUOUS THRU THE DRIVE ENTRANCES. PAYMENT FOR CURB AND GUTTER WILL INCLUDE DAPPING DOWN THE TOP PORTION OF THE CURB.
(B) SQ. YDS. OF CONCRETE VALLEY GUTTER WILL BE MEASURED FOR PAYMENT FROM THE BACK OF CURB LINE TO BACK OF SIDEWALK. "PAVED TRANSITION AREA" AND "MAILBOX ACCESS EXTENSION" SHALL BE INCLUDED IN PAY ITEM QUANTITY FOR CONCRETE VALLEY GUTTER. CONCRETE VALLEY GUTTER SHALL BE 6" OR 8" THICK CONCRETE.
(C) HEADER (OR INTEGRAL) CURB ALONG ROADWAY---
LIN. FT. OF CURB WILL BE MEASURED FOR PAYMENT TO THE BEGINNING OF DRIVE WAY. SQ. YDS. OF CONCRETE VALLEY GUTTER WILL BE MEASURED FOR PAYMENT TO THE EDGE OF THE ROADWAY PAVING.

2. N.E.P. IS DEFINED AS THE POINT WHERE THE ROADWAY PAVING MEETS THE CURB & GUTTER, OR HEADER CURB, OR FACE OR INTEGRAL CURB.

3. DRIVES RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AGGREGATE SURFACE COARSE FOR EARTH.

4. SEE STANDARD 9032-B FOR DETAILS OF CONCRETE CURB AND GUTTER, HEADER CURBS AND DOWELED INTEGRAL CURBS.

5. WIDTHS OF COMMERCIAL DRIVEWAYS WILL COMPLY WITH CURRENT "RULES AND REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL" WIDTHS OF RESIDENTIAL NON-COMMERCIAL DRIVEWAYS WILL BE AS SPECIFIED IN THE PLANS.

6. THE SLOPE OF THE "TRANSITION AREA" OF THE CONCRETE VALLEY GUTTER SHALL NOT BE STEEPER THAN 8.33% (12:1) WHERE SIDEWALKS ARE LOCATED.

7. MAXIMUM DRIVEWAY GRADES SHOWN BELOW ARE INTENDED FOR RESIDENTIAL DRIVEWAY WHERE FLATTER GRADES ARE NOT FEASIBLE. GRADES FOR COMMERCIAL DRIVEWAYS OR FOR TRUCKS SHALL NOT BE GREATER THAN 11% UNLESS OTHERWISE SPECIFIED.

GUIDELINES FOR USAGE ON METRIC PROJECTS

WHEN THESE DETAILS ARE INCORPORATED INTO PLANS AND OR PROJECTS THAT ARE BEING PREPARED OR CONSTRUCTED IN METRIC UNITS, EXACT OR PRECISE CONVERSION TO METRIC UNITS IS NOT REQUIRED. THE DIMENSIONS SHOWN THAT ARE IN FEET AND INCHES MAY BE CONVERTED TO CORRESPONDING METRIC UNIT USING THE FOLLOWING "ROUNDED-OFF" CONVERSION FACTORS: 1"=25MM, 4"=100MM, AND 12" OR 1'=300MM. ALL MEASUREMENT NOTES THAT REFER TO LINEAR FEET AND SQUARE YARDS SHALL BE INTERPRETED TO MEAN LINEAR METERS AND SQUARE METERS.

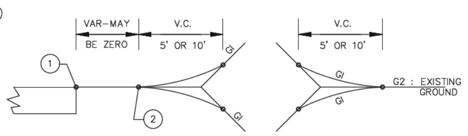
(1) IS THE BACK OF THE SIDEWALK SURFACE OR THE SHOULDER SURFACE GRADE 10'0" BACK OF CURB, SLOPE OF THE CONCRETE VALLEY GUTTER WILL BE SUCH THAT THE BACK OF THE DRIVEWAY TAPER WILL BE THE SAME ELEVATION.

(2) IS BEGINNING OF DRIVEWAY TIE-IN.

NOTE: (1) AND (2) MAY COINCIDE

V.C.	MAXIMUM GI	
	CUT	FILL
5'	27%	16.67%
10'	28%	27%

V.C.	GI-G2 (MAX. ALGEBRAIC GRADE CHANGE)	
	SAG	CREST
5'	21%	25%
10'	25%	36%



PROPERTY AND EX. R/W LINE	STORM LINE
REQUIRED R/W LINE	TELEPHONE LINE — T —
CONSTRUCTION LIMITS — F — C —	OH POWER LINE — Z —
PERMANENT EASEMENT FOR MAINTENANCE	UG POWER LINE — P —
TEMPORARY EASEMENT FOR CONSTRUCTION	WATER LINE — W —
EASEMENT FOR CONSTRUCTION OF DRIVEWAYS	FIBER OPTIC LINE — FO —
PERMANENT DRAINAGE EASEMENT	GAS LINE — GAS —
	SANITARY SEWER LINE — SS —
	LIGHTING CONDUIT
	RETAINING WALL
	LIMIT OF DISTURBANCE

REVISION DATES

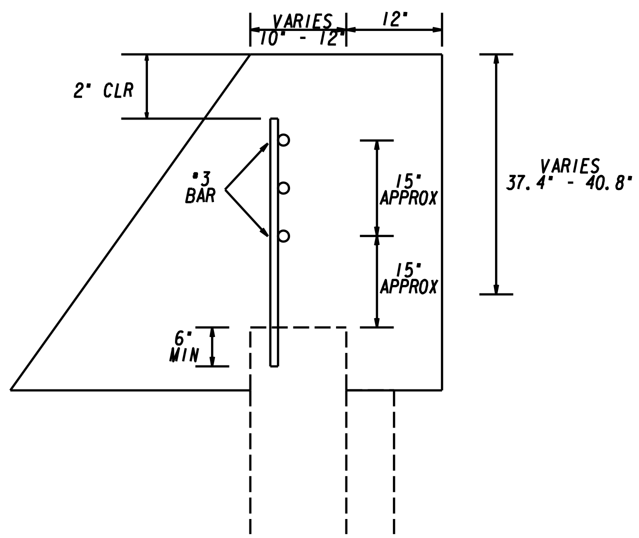
CITY OF DUNWOODY
DEPARTMENT OF PUBLIC WORKS
OFFICE: PUBLIC WORKS DATE: 03/25/14
DRIVEWAY APRON DETAIL
SHEET NO.

CALYX™ ENGINEERS + CONSULTANTS

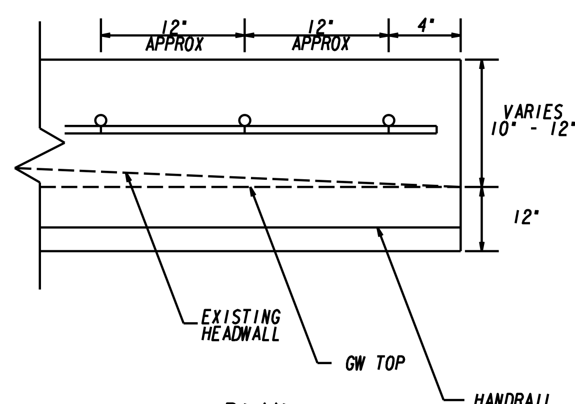
REVISION DATES

SPECIAL CONSTRUCTION DETAIL
DRIVEWAY APRON DETAIL

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	38-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	



SECTION



PLAN

GENERAL NOTES

ALL CONCRETE TO BE CLASS "B".

WHERE NEW CONCRETE JOINS OLD, CLEAN SURFACE OF OLD CONCRETE AND ROUGHEN WITH CHISEL OR PICK. WET OLD CONCRETE THOROUGHLY BEFORE PLACING NEW.

DOWELS TO BE GROUTED INTO OLD CONCRETE. DO NOT TRY TO HAVE DOWLES PARALLEL. THEY AFFORD BETTER BOND, IF INCLINED IN VARIOUS DIRECTIONS.

WHEN REMOVING PARTS OF PRESENT CULVERT PRESERVE ALL STEEL THAT CAN BE USED TO TIE NEW WORK.

CLEAN STEEL OF ALL OLD CONCRETE BEFORE PLACING NEW.

FOR ADDITIONAL NOTES AND DETAILS SEE STANDARD PLANS BY WHICH PRESENT CULVERTS WERE BUILT.

REINFORCING STEEL TO BE INCLUDED IN PRICE BID FOR CLASS "B" CONCRETE.

INCIDENTAL WORK AND MATERIAL SUCH AS EXCAVATION, DRILLING FOR DOWELS, CLEANING AND REMOVING OLD CONCRETE, CABLE CLAMPS, ETC. WILL NOT BE PAID FOR SEPARATELY. COST OF SUCH ITEMS TO BE INCLUDED IN PRICE BID FOR CLASS "B" CONCRETE.

CALYX ENGINEERS + CONSULTANTS

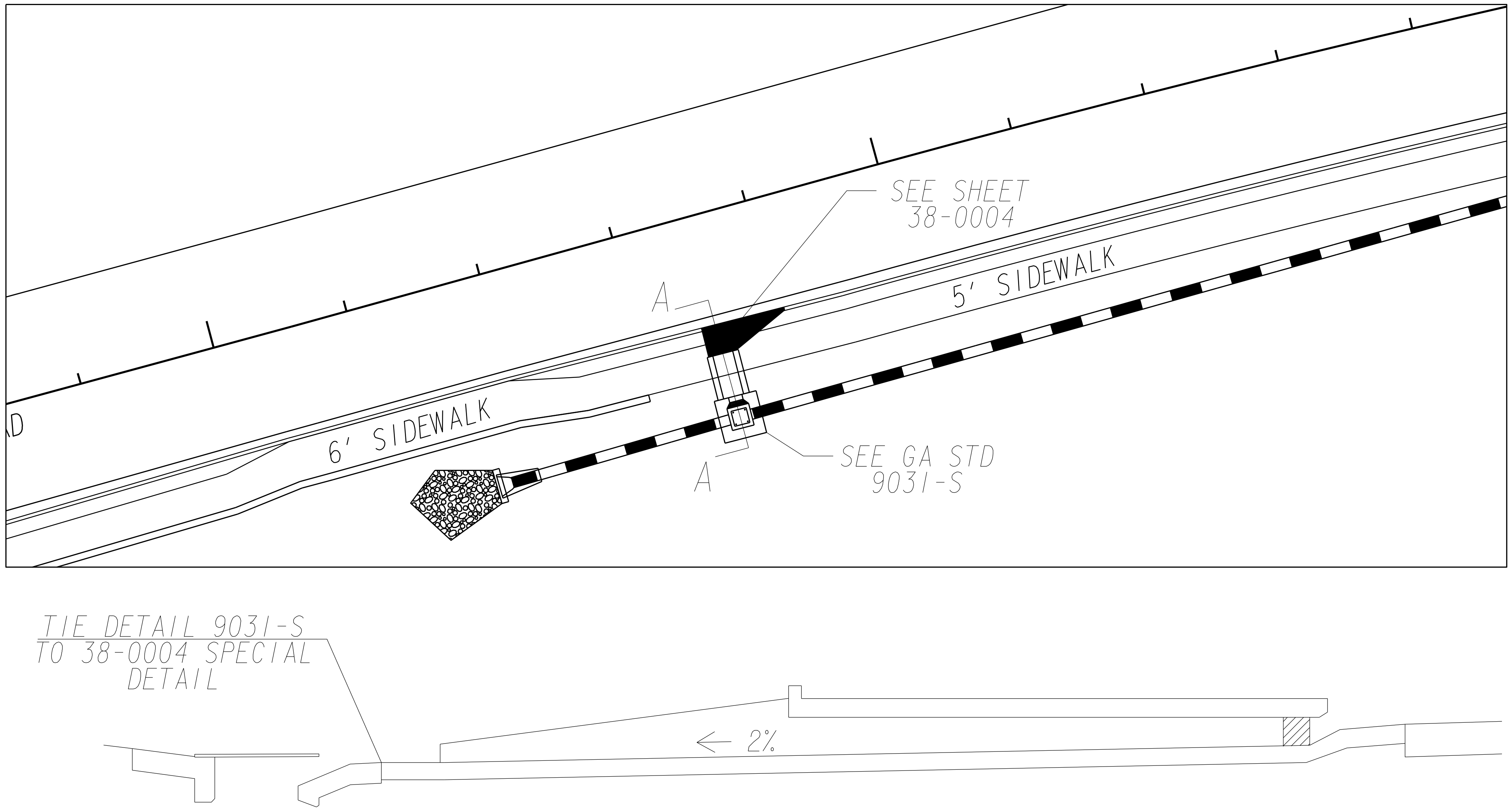
REVISION DATES

SPECIAL CONSTRUCTION DETAIL

DETAIL FOR RAISING HEADWALL

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 38-0002



SECTION A - A

NOTE: SEE GA STDS
FOR INFORMATION
NOT SHOWN

CALYX
ENGINEERS + CONSULTANTS

REVISION DATES		

SPECIAL CONSTRUCTION DETAIL

DRAINAGE SCUPPER

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		38-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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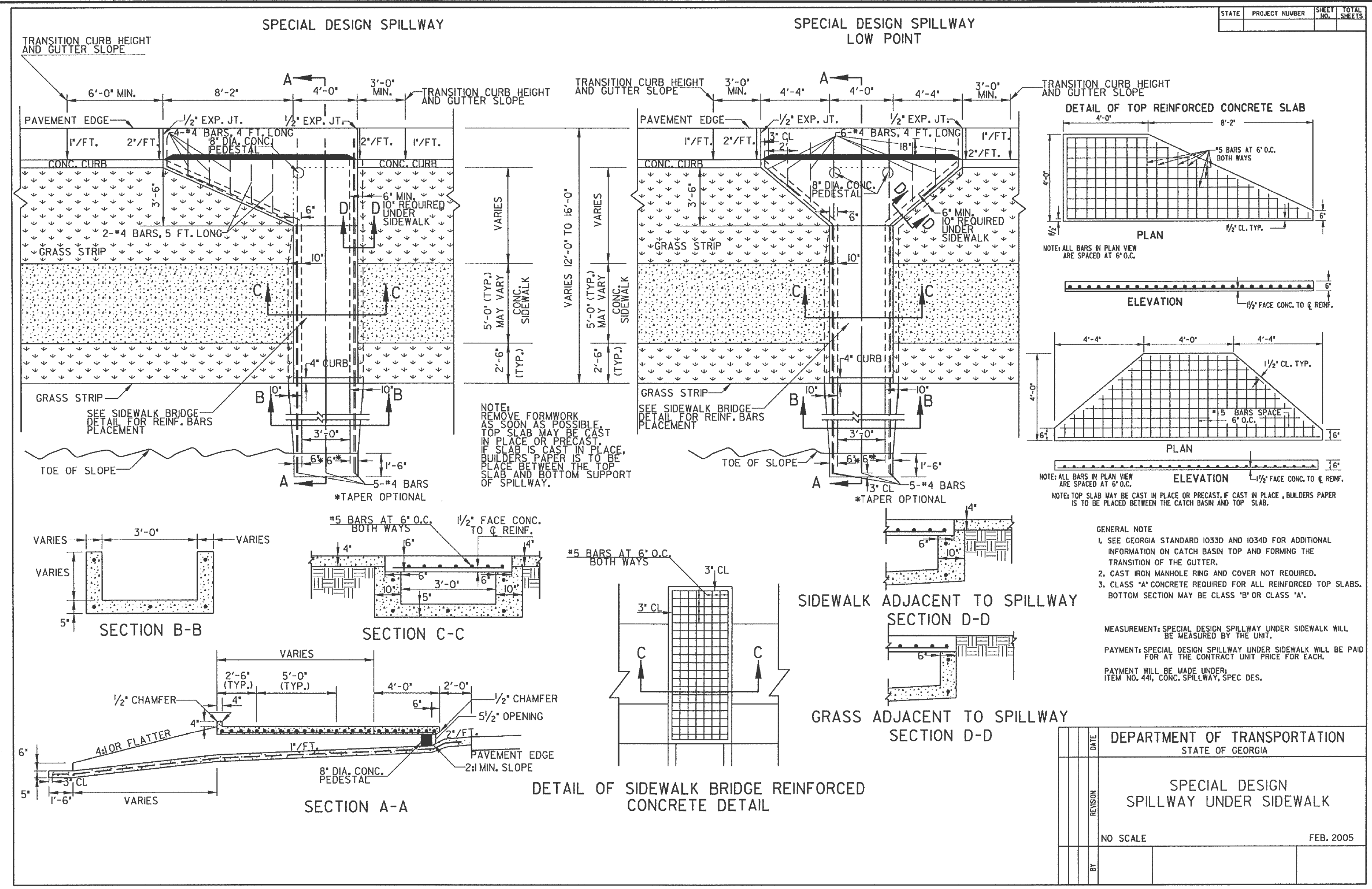
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	F-1128-01	62	80



MULKEY ENGINEERS & CONSULTANTS
1255 CANTON STREET, SUITE G
ROSWELL, GEORGIA 30075
(678) 461-3511

NOT TO SCALE

REVISION DATES

GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
SPECIAL CONSTRUCTION DETAIL
HEWATT ROAD SIDEWALK
DRAWING No. 38-001

01/26/2015 GPLN

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

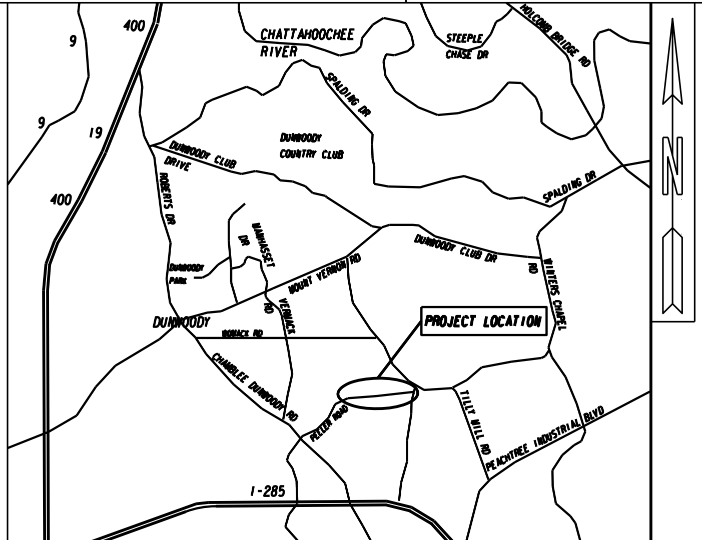
SPECIAL CONSTRUCTION DETAIL
SPILLWAY UNDER SIDEWALK

CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No. 38-0004

10/23/2015 GPLN

1/27/2020 clay.mckinney	GPLOT-V8 gplotborder-V8I-P0.tbl	2016042_50.dgn GRWCOV	P.I. No.



LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1984(NAD 1983)/WEST Zone,and the North American Vertical Datum (NAVD) of 1988.

CITY OF DUNWOODY
DEPARTMENT OF PUBLIC WORKS

EROSION,SEDIMENTATION & POLLUTION CONTROL PLAN

PEELER ROAD SIDEWALKS FROM EQUESTRIAN WAY TO CHERRING LANE

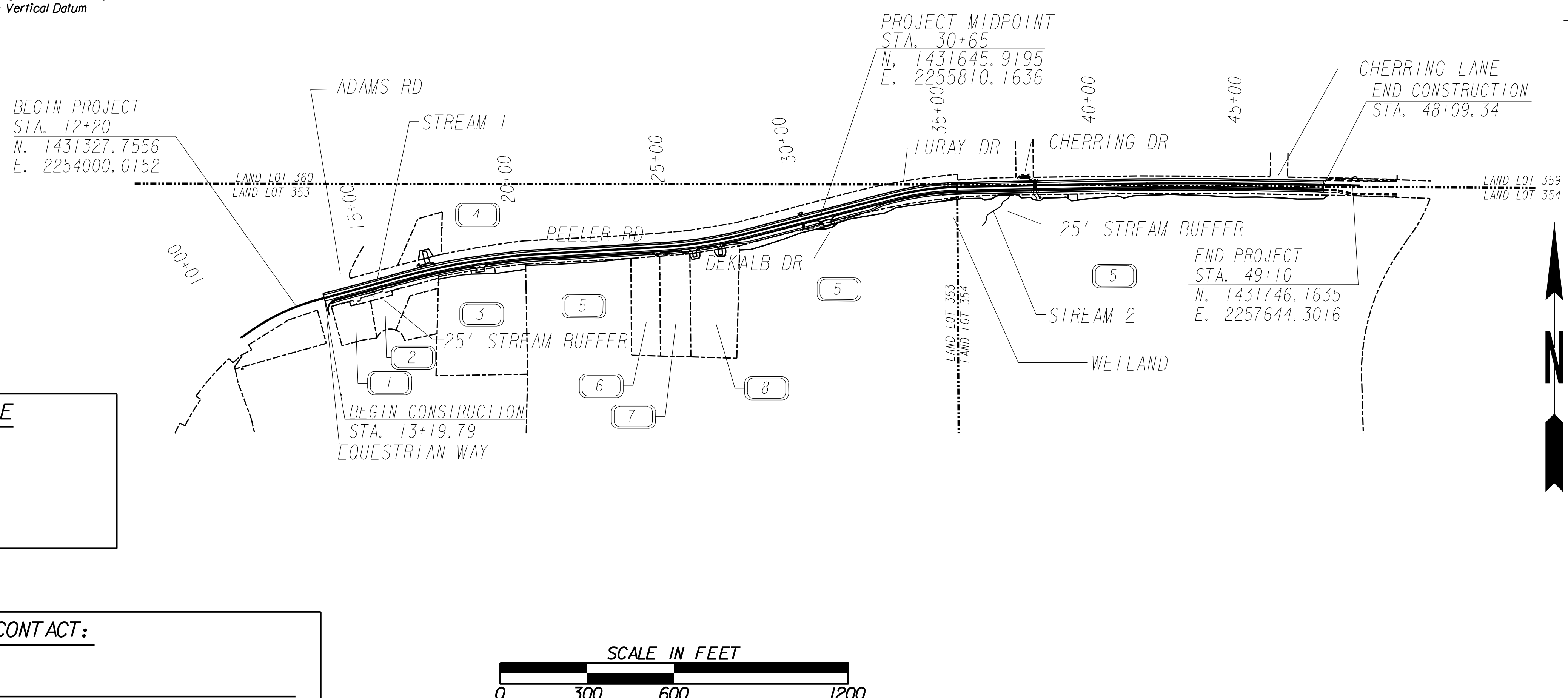
"I certify that this Erosion,Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV,of the General NPDES Permit No.GAR100002."

"I certify that the permittee's Erosion,Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted,provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No.GAR100002."

"I certify that the permittee's Erosion,Sedimentation and Pollution Control Plan provides for the monitoring of:(a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies,or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled,I have determined in my professional judgment,utilizing the factors required in the General NPDES Permit No.GAR100002,that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent,under my direct supervision."

Signature
David A. Jackson,P.E.,
GSWCC LEVEL II Certification #0000063879



BEGIN-POINT COORDINATES
Longitude: 84.3071 W
Latitude: 33.9347 N
MID-POINT COORDINATES
Longitude: 84.3011 W
Latitude: 33.9356 N
END-POINT COORDINATES
Longitude: 84.2951 W
Latitude: 33.9359 N

PRIMARY PERMITTEE

DUNWOODY PUBLIC WORKS
4800 Ashford Dunwoody Rd
Dunwoody,Georgia 30338
Phone: 678-382-6850
Email: ishri.shankar@dunwoodyga.gov

24 HOUR CONTACT:

Name

Street Address

City,State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

PLANS COMPLETED - -

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
- -				
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No.
50-0001

EROCOV

ESPCP GENERAL NOTES

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities.Additional BMP's may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

Amendments/revisions to the ES&PC PLan which have a significant effect on BMP's hydraulic component must be certified by the design professional.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 7 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163, 700, or 711. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The Contractor is responsible for developing practices to provide cover for building materials and building products on site, as necessary

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

The scope of this project is to improve Peeler Road pedestrian and bicycle movements. The construction activities include roadway widening, roadway overlay, curb and gutter installation, sidewalk installation, major drainage improvements.

INITIAL PHASE

Install perimeter fencing around the project limits where existing drainage patterns will allow on-site water to leave site using a single layer of SDI-NS. The silt should be removed when the accumulation reaches half the height of the fence. If unforeseen conditions exist in the field that warrant additional erosion control measures, the contractor must construct additional erosion control devices deemed necessary by the site inspector.

INTERMEDIATE PHASE

Install the following according to the BMP location details: SDI-NS and SDI-S at the toe of all fill slopes. Silt should be removed when the accumulation reached half the height of the fence. Inlet Sediment traps will be utilized on all storm structures as they are constructed. Storm drain inlets such as flared end sections or head walls will utilize filter rings. Storm drain outlet protection shall be placed at all outlets as soon as the structure is completed. Check Dams shall be installed in areas of concentrated flows as shown. Mulch are to be utilized in accordance with Sections 163, 700 or 711.

FINAL PHASE

Install permanent erosion control measures including rip rap and permanent grassing (SOD). Some final phase measures may be installed during the intermediate phase if final grade has been obtained. See Landscaping plans or Erosion control plans for details.

PETROLEUM STORAGE,SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SITE STABLIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.
"Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint,oils, curing compounds, and other construction materials.

INSPECTIONS

The primary permittee must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project within seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

SEDIMENT STORAGE

The site has a total disturbed area of 2.2 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in the table located on 53-0001

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

MAP UNIT SYMBOL	MAP UNIT NAME	RATING	COMPONENT NAME(PERCENT)	RATING REASONS (NUMERIC VALUES)	ACRES IN AOI	PERCENT OF AOI
AkB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	SLIGHT	ALTAVISTA (95%) WORSHAM (5%)		4	4.60%
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES	SLIGHT	APPLING (100%)		1.5	1.70%
AuC	APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES	SLIGHT	APPLING (65%)		9.5	11.00%
Ca	CARTECAY SILT LOAM, FREQUENTLY GLOODED	SLIGHT	CARTECAY (95%) WEHADKEE (5%)		0.3	0.40%
CeB	CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES	SLIGHT	CECIL (100%)		2.3	2.60%
CuC	CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES	SLIGHT	CECIL (65%)		38.3	44.30%
PfC	PACOLET SANDY LOAM, 2 TO 10 PERCENT SLOPES	SLIGHT	PACOLET (100%)		1.9	2.30%
PuE	PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES	MODERATE	PACOLET (65%)	SLOPE/ERODIBILITY (0.5)	28.3	32.70%
W	WATER	NOT RATED	WATER (100%)		0.3	0.30%
TOTALS FOR AREA OF INTEREST					86.4	100%

CALYX ENGINEERS + CONSULTANTS

NTS

REVISION DATES

ESPCP GENERAL NOTES
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
51-0001

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

TEMPORARY SEDIMENT BASIN DETAILS:

No temporary sediment basins are located within the project limits.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures.

Please contact the 24-hour contact person listed on the 50-001 Drawing in order to obtain contract documents related to 167.

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing except as noted otherwise in the table below.

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (in)	Q_{25} (ft³/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+.4La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd²)
A-1	18.00	0.83	3.26	TW>0.5 Do	5.00	10.00	5.50	0.10	1.50	TYPE 3	6.50
C-1	18.00	7.57	6.05	TW>0.5 Do	5.00	9.00	5.00	0.10	1.50	TYPE 3	6.00
D-1	18.00	37.31	11.88	TW>0.5 Do	5.00	6.50	4.10	0.10	1.50	TYPE 3	3.00
E-1	18.00	2.10	4.23	TW>0.5 Do	5.00	10.00	5.50	0.10	1.50	TYPE 3	11.00

SAMPLING GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total site area is 3.1 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi²)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
B	14+22, 39.58' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.3	WARM	75	N/A	END OF RIPRAP	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.1	-0.3/100	7.62	N/A
C	15+33, 30.46' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.2	WARM	75	N/A	DITCH OUTFLOW	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.1	-17/100	7.62	N/A
D	15+63, 33.41' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.6	WARM	75	N/A	END OF DRAINAGE STRUCTURE	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.5	3/100	7.62	N/A
K	35+31, 40.10' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.1	WARM	75	N/A	END OF RIPRAP	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.2	-12/100	7.62	N/A
M	37+26, 28.37' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.8	WARM	75	N/A	END OF RIPRAP	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.3	-12/100	7.62	N/A
Q	39+37, 48.82' RT	UNNAMED TRIBUTARY	1	OUTFALL	0.15	0.8	WARM	75	N/A	END OF RIPRAP	NEW SIDEWALK AND SHOULDER CONSTRUCTION	0.5	-18/100	7.62	N/A

The primary sampled features specified should be used as the initial sampling locations.
An alternate sampled feature may be used if additional sampling is required or to replace
a primary sampled feature that is no longer located within the active phase of construction.

BASINS A, E, F, G, H, I, J, L, N, O, AND P ARE NOT SAMPLED BECUASE THEY ARE IN SHEET FLOW CONDITIONS WITH NO POINT DISCHARGE

CALYX ENGINEERS + CONSULTANTS

NTS

REVISION DATES

ESPCP GENERAL NOTES
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
51-0002

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)	Category (4a, 4b, or 5)	Numeric waste load allocation for sediment*

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

Name or Number of Stream or Other Water Body Type	Location of Buffered Streams and State Waters**			Stream Type (Warm/Cold Water)*	Buffer Variance Required? (Yes/No)
	Roadway Alignment	Begin Station and Offset	End Station and Offset		
STREAM 1	PEELER RD	12+20	15+33	WARM	
DO NOT DISTURB					
STREAM 1 BUFFER	PEELER RD	13+50	15+54	WARM	
THE CONTRACTOR IS ALLOWED TO CONSTRUCT SHOULDER ENHANCEMENTS					
STREAM 2	PEELER RD	36+29	37+26	WARM	
DO NOT DISTURB					
STREAM 2 BUFFER	PEELER RD	36+12	37+52	WARM	
THE CONTRACTOR IS ALLOWED TO CONSTRUCT SHOULDER ENHANCEMENTS					

CALYX ENGINEERS + CONSULTANTS

NTS

REVISION DATES

ESPCP GENERAL NOTES
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
51-0003

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:______________________________

Project Name: PEELER ROAD IMPROVEMENTS Address:______________________________

City/County: CITY OF DUNWOODY Date on Plans:______________________________

Name & email of person filling out checklist:______________________________

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0004	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
51-0001, 53-0001	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0001	Y	8 Description of the nature of construction activity.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
51-0003	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable.*
50-0001	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit *
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0001	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-0001	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."*
51-0001	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0001	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0001	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
51-0003	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
51-0003	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-0001	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0001	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
51-0001	y	27 Description of practices to provide cover for building materials and building products on site.*
51-0001	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.*

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-0001	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-0002	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-0001	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-0002	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-0002	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
51-0002	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
54-0001, 54-0014	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.*
53-0001, 54-0001 TO 54-0014, 55-0001	Y	37 Graphic scale and North arrow.
55-0001	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1": 2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
51-0002	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
51-0002	Y	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
51-0003	Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
51-0003	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
51-0002	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0001	Y	47 Soil series for the project site and their delineation.
54-0001 TO 54-0014	Y	48 The limits of disturbance for each phase of construction.
53-0001	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
52-0001 TO 52-0007	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56-0001 TO 56-0007	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-0001	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2019

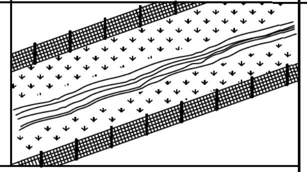
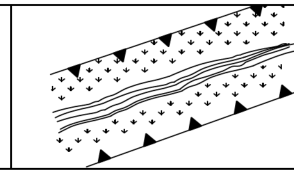
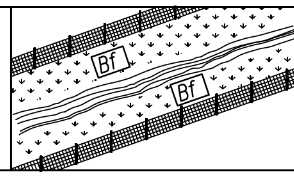
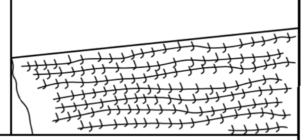
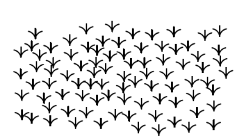
CALYX™ ENGINEERS + CONSULTANTS

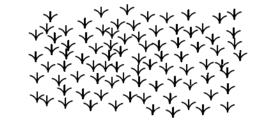
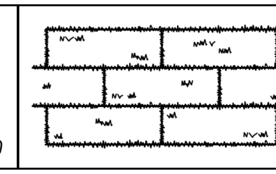
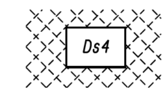
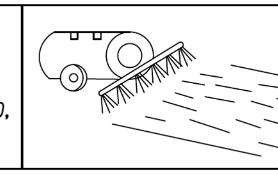
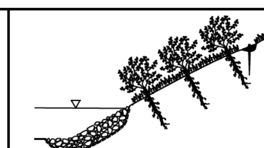
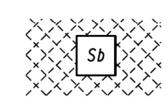
REVISION DATES

ESPCP GENERAL NOTES
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 51-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE	 LINE CODE ORANGE BARRIER FENCE	ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
ESA	ENVIRONMENTALLY SENSITIVE AREA	 LINE CODE ESA-25'(OR 50')STREAM BUFFER, ETC.	AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
Bf	BUFFER ZONE	 SYMBOL Bf	A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
Ds1	MULCH SECTION 163	 SYMBOL Ds1	THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds2	TEMPORARY GRASSING SECTION 163, 700	 SYMBOL Ds2	THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700	 SYMBOL Ds3	THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890	 PATTERN  Ds4	THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895	 SYMBOL Fl-Co POLYACRYLAMIDE	FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
Sb	STREAMBANK STABILIZATION SECTION 702	 PATTERN  Sb	STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

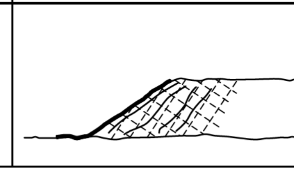
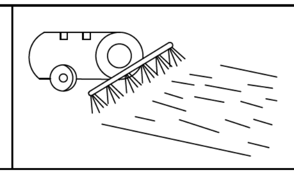
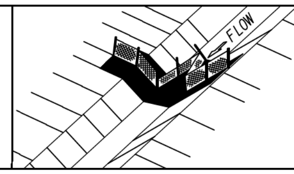
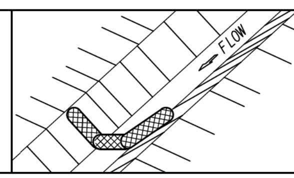
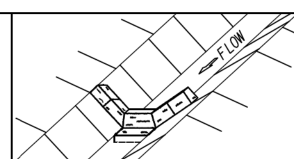
EROSION CONTROL LEGEND

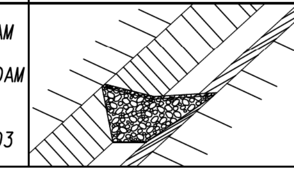
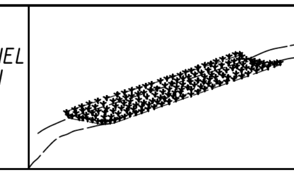
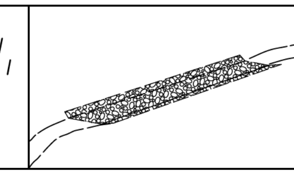
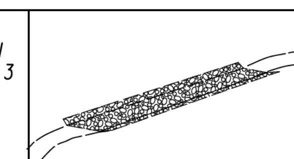
UNIFORM CODE SHEET

SHEET 1 OF 7

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 52-0001

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716 PATTERN: Ss		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895 SYMBOL: Tac POLYACRYLAMIDE		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171 SYMBOL: Cd-F		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL: Cd-Fs		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163 SYMBOL: Cd-Hb		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM GA. STD 1031 SECTION 163, 603 SYMBOL: Cd-S		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700 LINE CODE: Ch-1		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE: Ch-2R1		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603 LINE CODE: Ch-2R3		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

CALYX™ ENGINEERS + CONSULTANTS

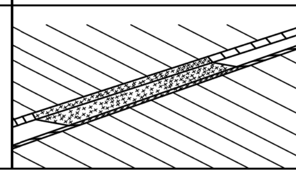
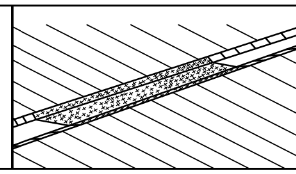
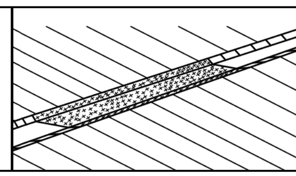
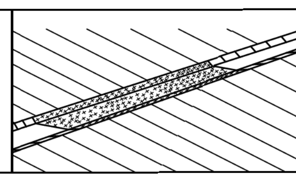
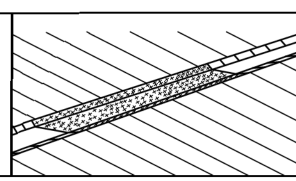
REVISION DATES

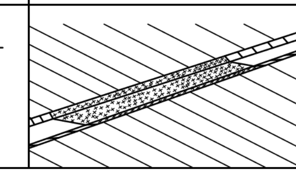
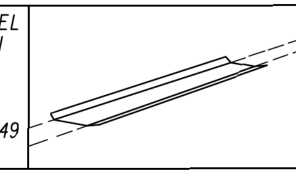
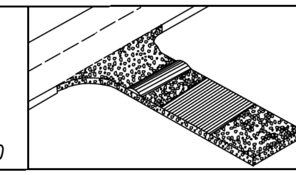
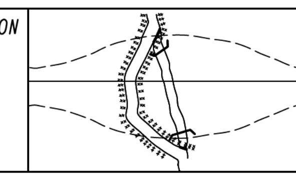
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 2 OF 7

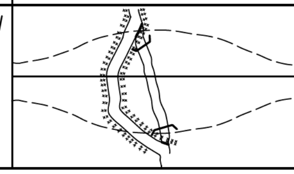
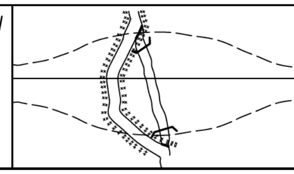
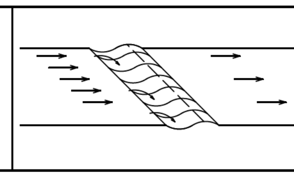
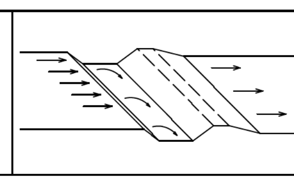
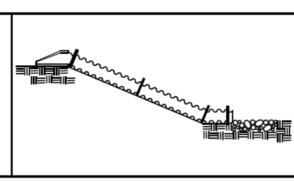
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	52-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

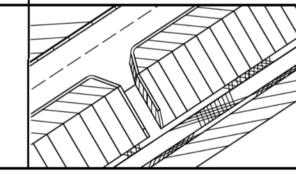
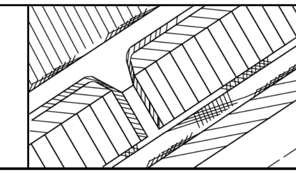
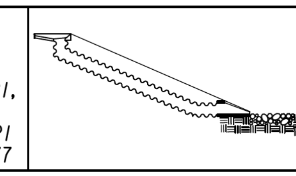
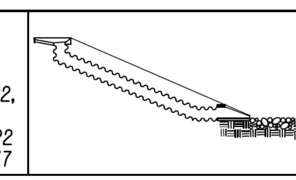
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T1		
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T2		
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T3		
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T4		
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T5		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE Ch-2T6		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
	LINE CODE Ch-3		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
	SYMBOL Co		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE —D——D——D—Dc-A—D——D——D—		

NOTE:

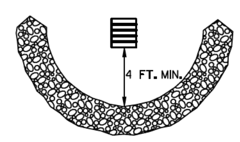
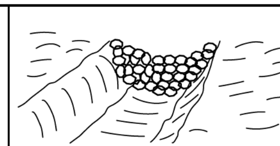
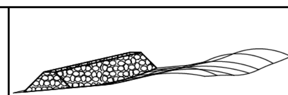
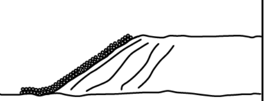
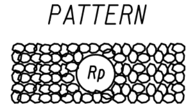
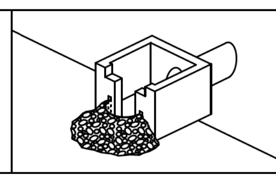
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

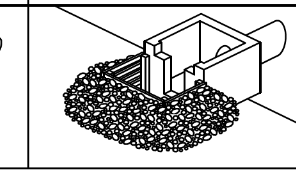
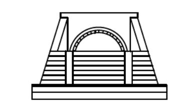
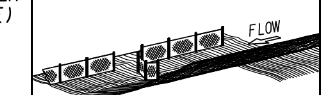
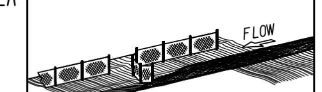
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE —D—D—D—(Dc-B)—D—D—D—	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163	 LINE CODE —D—D—D—(Dc-C)—D—D—D—	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE (D1-1)	A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
D1-2	DIVERSION CHANNEL SECTION 205	 LINE CODE → → (D1-2) → →	A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE —T—T—T—(Dn1)—T—T—T—	A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE (Dn2-A)	A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE (Dn2-B)	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577	 LINE CODE (Dn2-1)	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE (Dn2-2)	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL	Fr	
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL	Rt-P	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL	Rt-B	
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW	A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	SYMBOL	Rt-Sg1 Rt-Sg2 Rt-Sg3	
Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE	—A—A—A—(Sd1-NS)—A—A—A—	
Sd1-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE	—C—C—C—(Sd1-S)—C—C—C—	

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

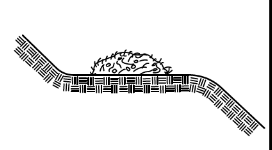
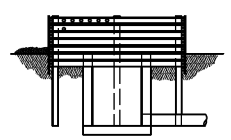
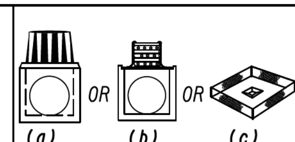
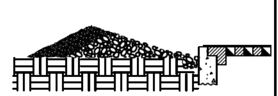
EROSION CONTROL LEGEND

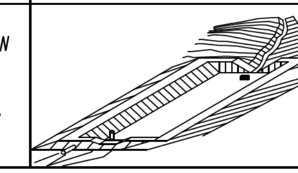
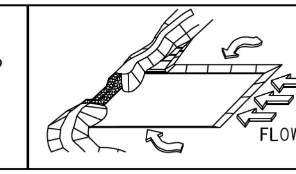
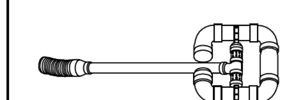
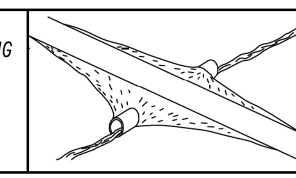
UNIFORM CODE SHEET

SHEET 5 OF 7

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 52-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-42 SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'. FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

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REVISION DATES

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

CHECKED: DATE:
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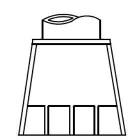
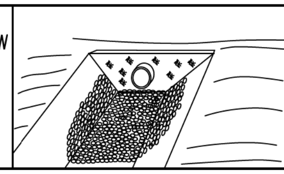
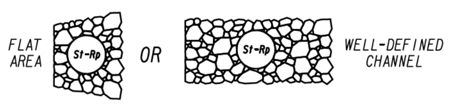
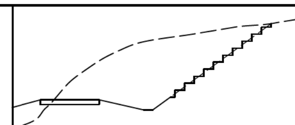
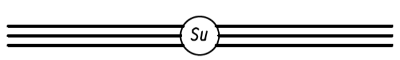
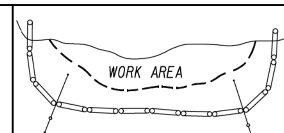
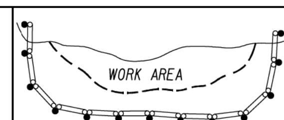
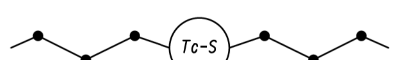
CORRECTED: DATE:
VERIFIED: DATE:

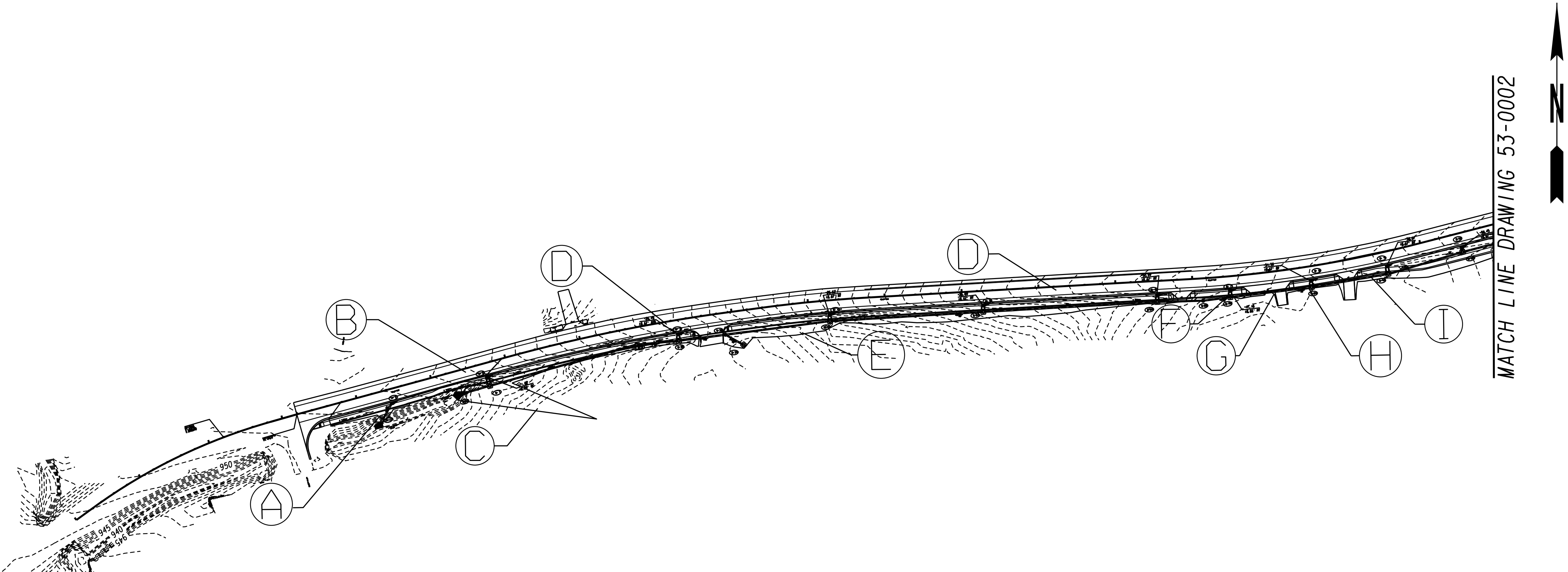
DRAWING No. 52-0006

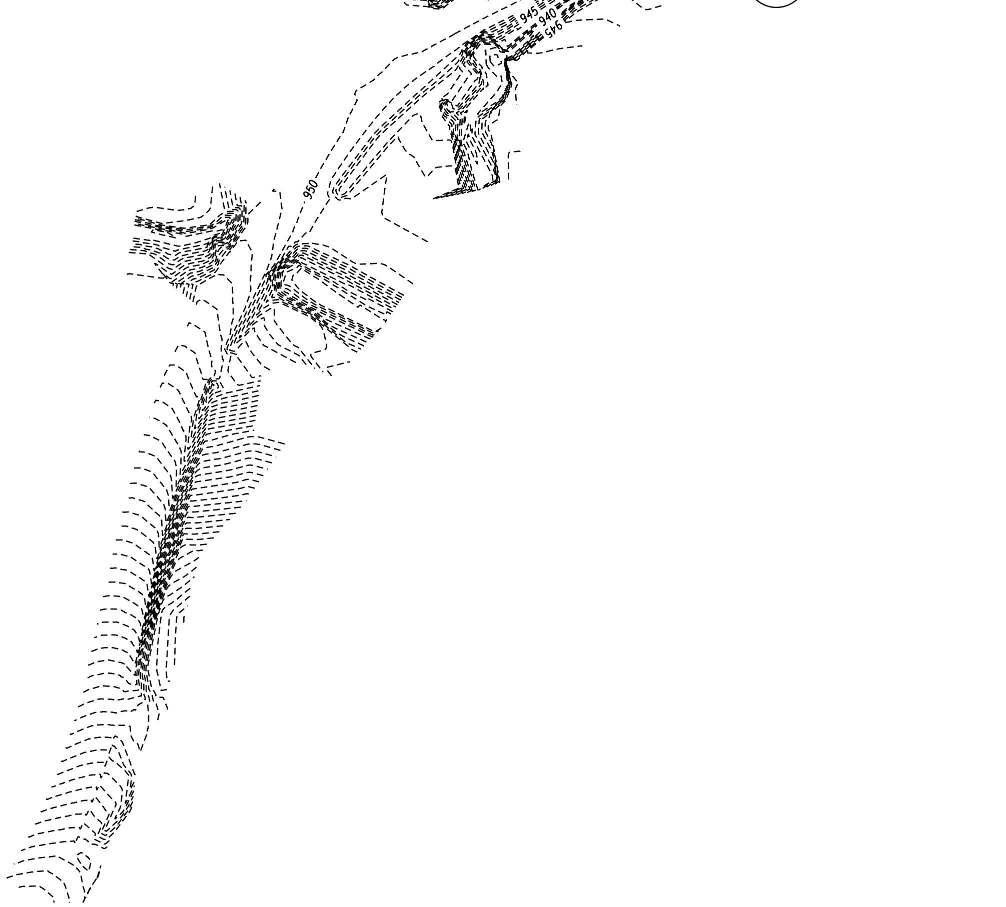
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL St		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
	PATTERN 		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE 		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	FLOATING	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE 		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	STAKED	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".





THE SITE HAS A TOTAL DISTURBED AREA OF 2.9 ACRES. THE FOLLOWING TABLE SUMMARIZES THE REQUIRED AND AVAILABLE SEDIMENT STORAGE FOR EVERY OUTFALL ON THIS PROJECT. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE STORAGE VOLYMES FOR THE BMP'S SPECIFIED IN THIS TABLE

LOCATION	TOTAL DRAINAGE AREA (acres)	DUSTYRBED AREA (acres)	REQUIRED SEDIMENT STORAGE VOLUME (yd^3)	TOTAL STORAGE VOLUME PROVIDED (yd^3)	CHECK DAM (2.5 yd^3/each)		INLET SEDIMENT TRAPS (2 yd^3/each)		SILT FENCE (0.3 yd^3/ft)	
					# OF DEVICES	TOTAL VOLUME (yd^3)	# OF DEVICES	TOTAL VOLUME (yd^3)	LENGTH OF FENCE (ft)	TOTAL VOLUME (yd^3)
A	0.1	0.1	6.7	121.8	0	0	0	0	406	121.8
B	0.1	0.1	6.7	2	0	0	1	2	0	0
C	0.1	0.1	6.7	225	0	0	0	0	750	225
D	1.1	0.5	73.7	20	0	0	10	20	0	0
E	0.1	0.1	6.7	176.7	0	0	0	0	589	176.7
F	0.1	0.1	6.7	25.5	0	0	0	0	85	25.5
G	0.1	0.1	6.7	8.1	0	0	0	0	27	8.1
H	0.1	0.1	6.7	23.4	0	0	0	0	78	23.4
I	0.1	0.1	6.7	108.9	0	0	0	0	363	108.9
J	0.1	0.1	6.7	15	0	0	0	0	50	15
K	0.2	0.2	13.4	2	0	0	1	2	0	0
L	0.1	0.1	6.7	93.6	0	0	0	0	312	93.6
M	0.3	0.3	20.1	42.9	0	0	3	6	123	36.9
N	0.1	0.1	6.7	93.9	0	0	0	0	313	93.9
O	0.1	0.1	6.7	52.2	0	0	0	0	174	52.2
P	0.2	0.2	13.4	291.3	0	0	0	0	971	291.3
Q	0.5	0.5	33.5	8	0	0	4	8	0	0

SEDIMENT BASINS ARE NOT USED ON THIS PROJECT. THE DISTURBED ACREAGE WITHIN THE DRAINAGE AREA IS 2.9 AC. THE CONSTRUCTION OF A SEDIMENT BASIN WILL CAUSE ADVERSE IMPACTS TO PRIVATE PROPERTY LOCATED ALONG THE PROJECT CORRIDOR. THE DISTURBANCE ACTIVITIES CONSIST OF SHOULDER ENHANCEMENT, DRAINAGE STRUCTURES INSTALLATION, MEDIAN AND ADDITIONAL LANES CONSTRUCTION AND TYPICAL ACTVITIES ASSOCIATED WITH A MINOR ROAD IMPROVEMENT PROJECT. THE MAXIMUM AMOUNT OF BMPS PER THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA WILL BE INSTALLED IN AN ATTMEPT TO MEET 67 CY OF STORAGE PER ACRE DRAINED AND THAT THE INSTALLED BMPS SHOULD BE SUFFICIENT TO CONTROL EROSION AND PREVENT SEDIMENT EXITING THE PROJECT.

IN ORDER TO PREVENT RUNOFF FROM BYPASSING INLET SEDIMENT TRAPS, A TEMPORARY BERM SHALL BE INSTALLED AROUND ALL INLET SEDIMENT TRAPS THAT ARE NOT LOCATED IN A LOW POINT OR AN EXCAVATED SUMP, CONSTRUCT TEMPORARY SUMPS IN ACCORDANCE WITH CONSTRUCTION DETAILS D-24C. TEMPORARY SUMPS SHALL BE INSTALLED IN A MANNER THAT ENSURES STORM WATER DOES NOT BYPASS TGE INLET. THE CONTRACTOR MAY SUBMIT ALTERNATE TEMPORARY CONTAINMENT BERM DESIGNS TO THE PROJECT ENGINEER FOR APPROVAL.

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 200 400 800

REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
PEELER ROAD SIDEWALKS

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BACKCHECKED:		DATE:		53-0001
CORRECTED:		DATE:		
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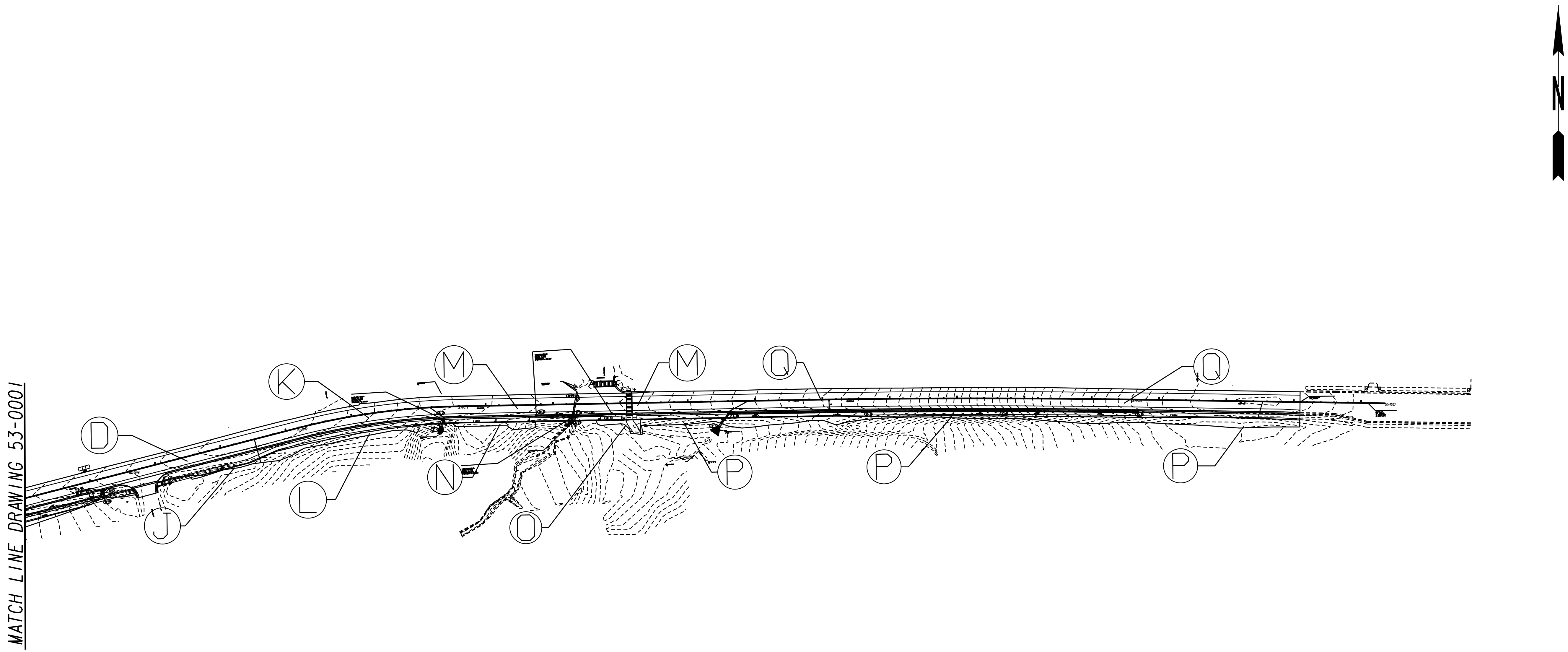

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 200 400 800

REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
PEELER ROAD SIDEWALKS

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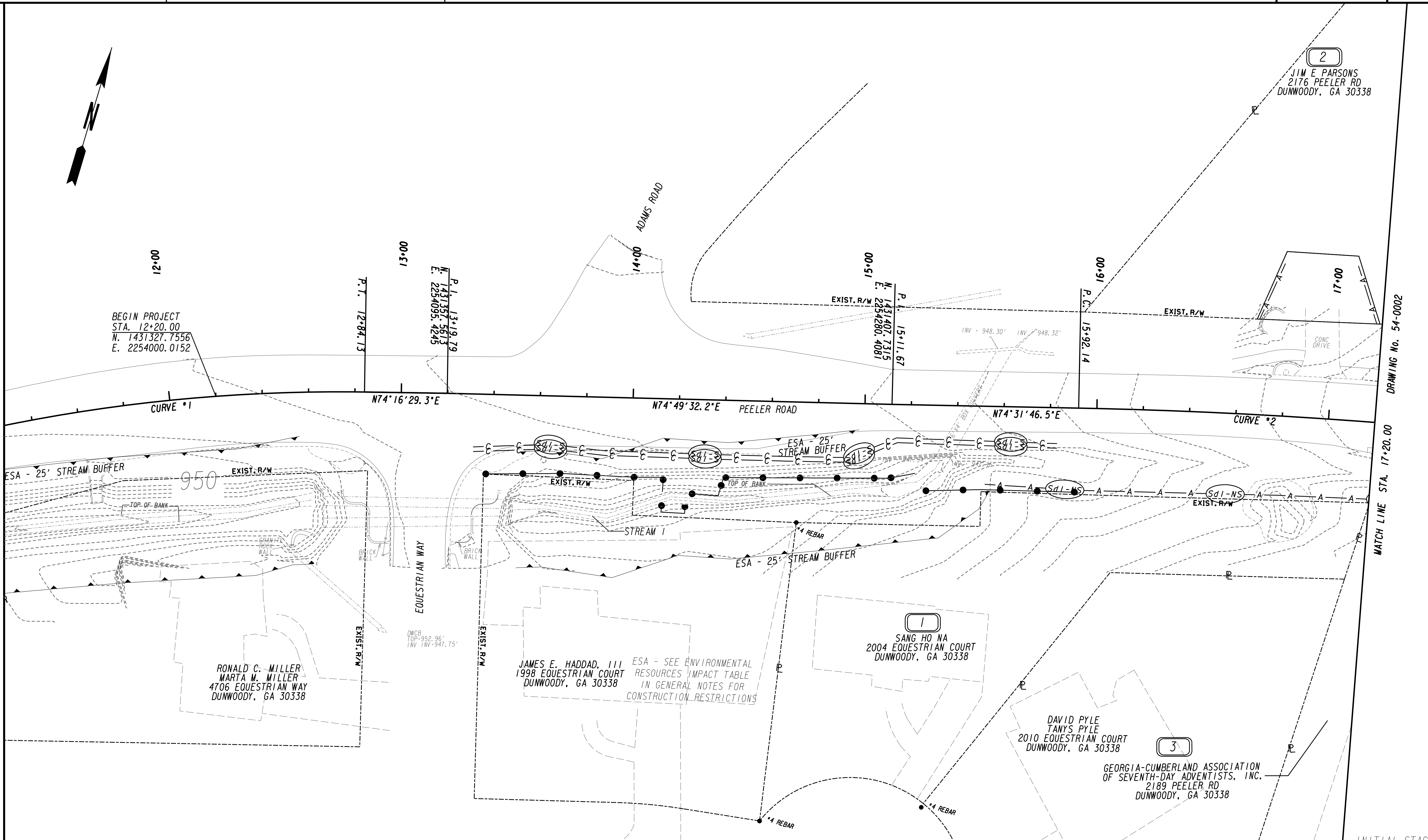

INITIAL STAGE

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES		

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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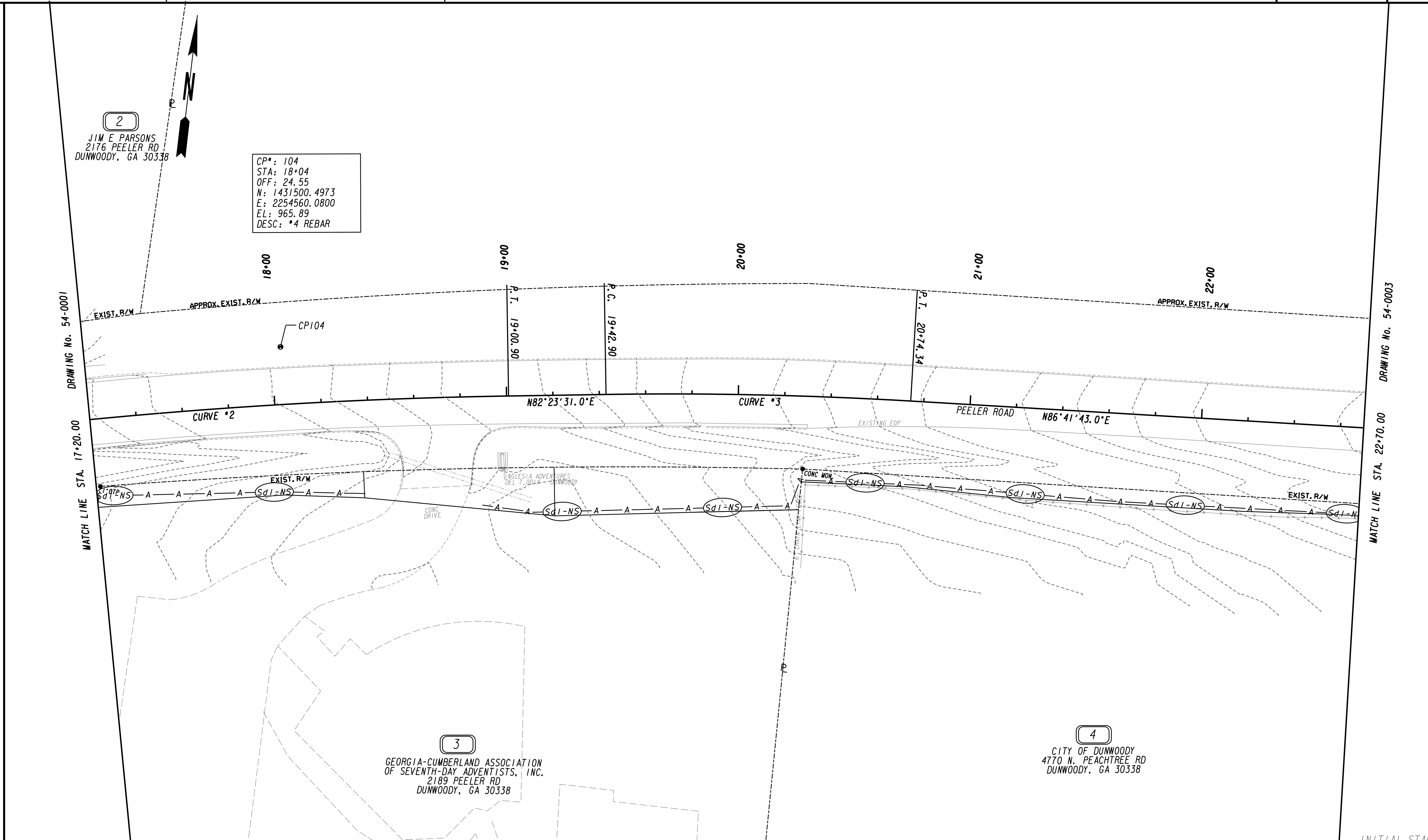
54-0001



CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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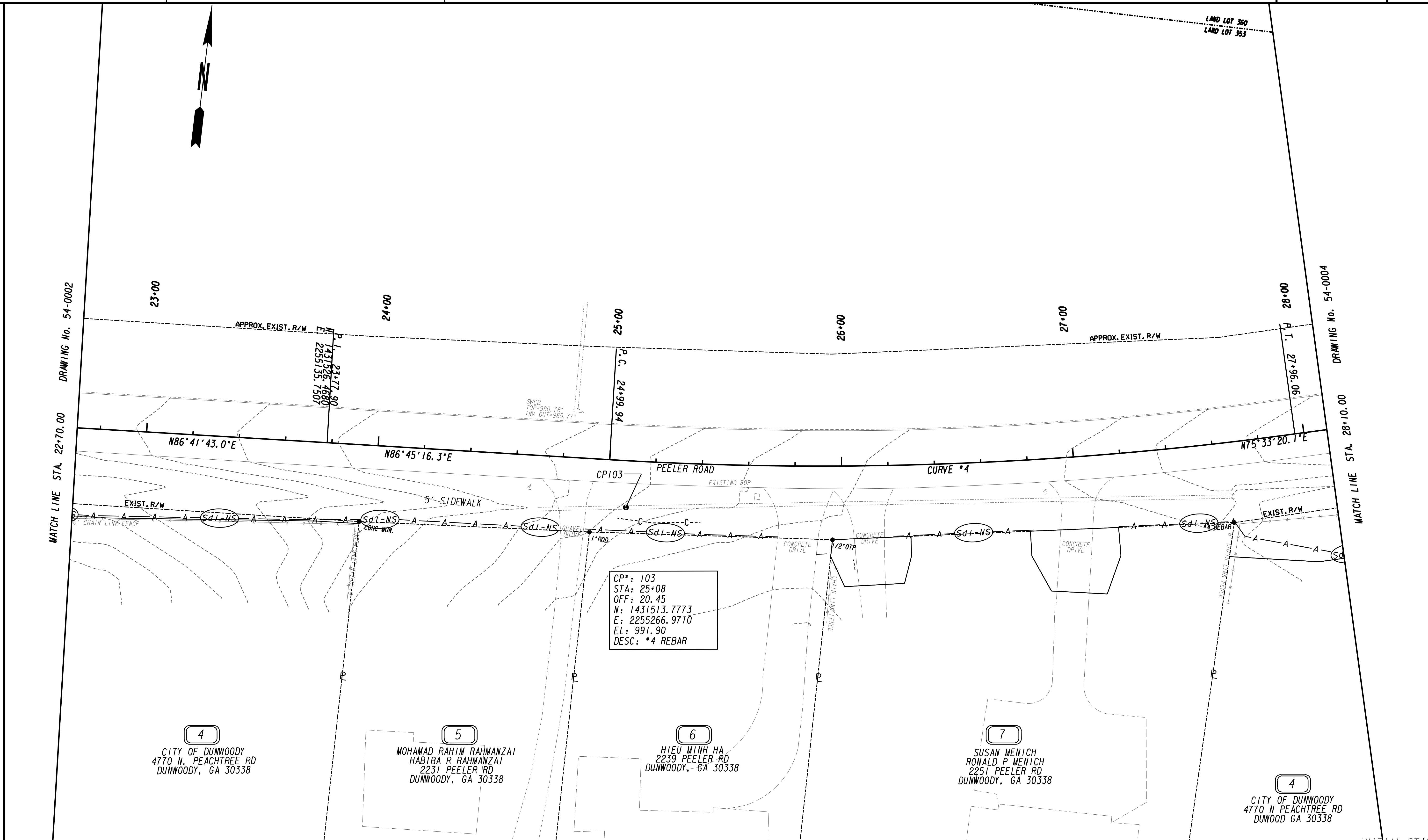

INITIAL STAGE

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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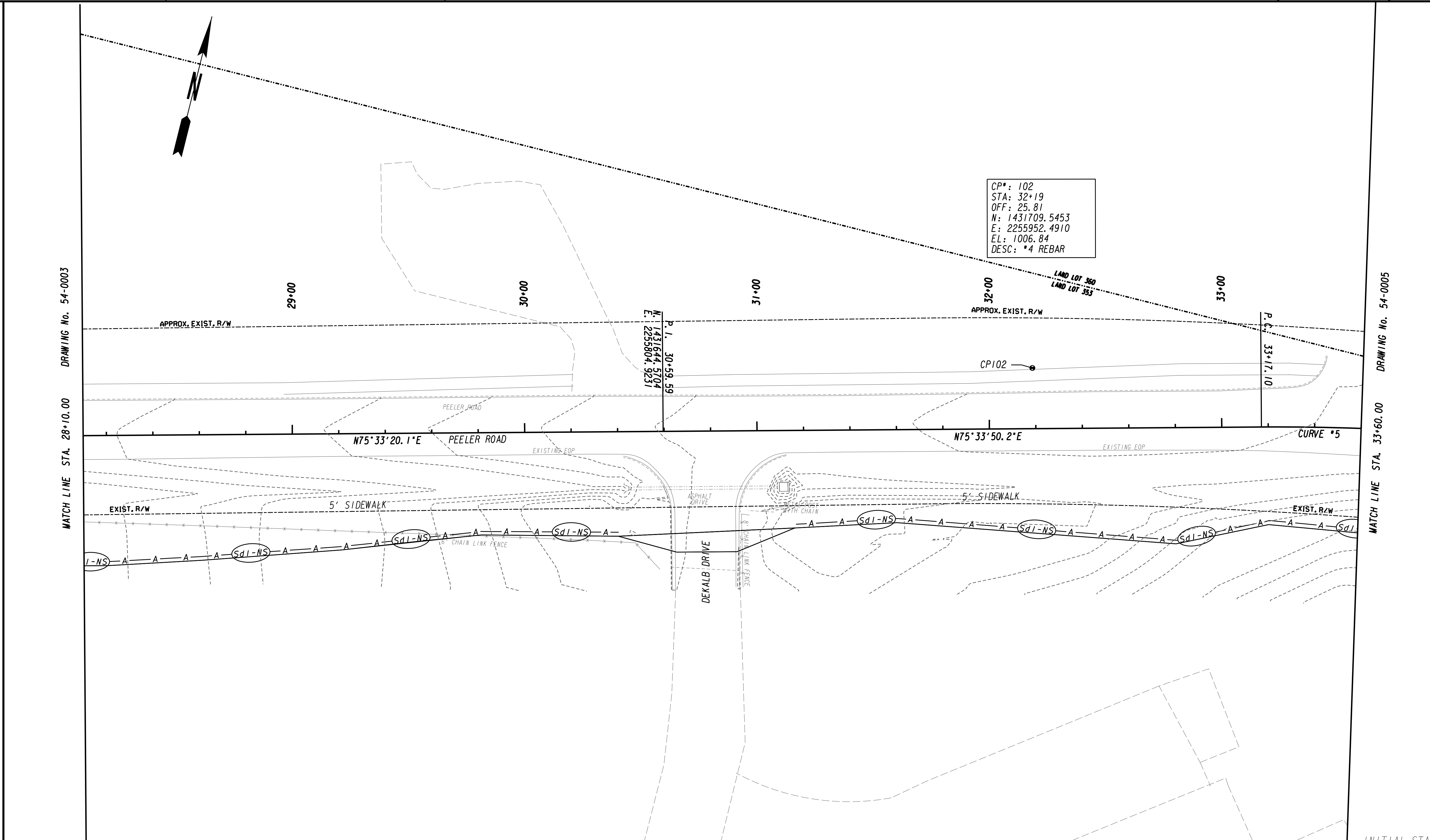

INITIAL STAGE

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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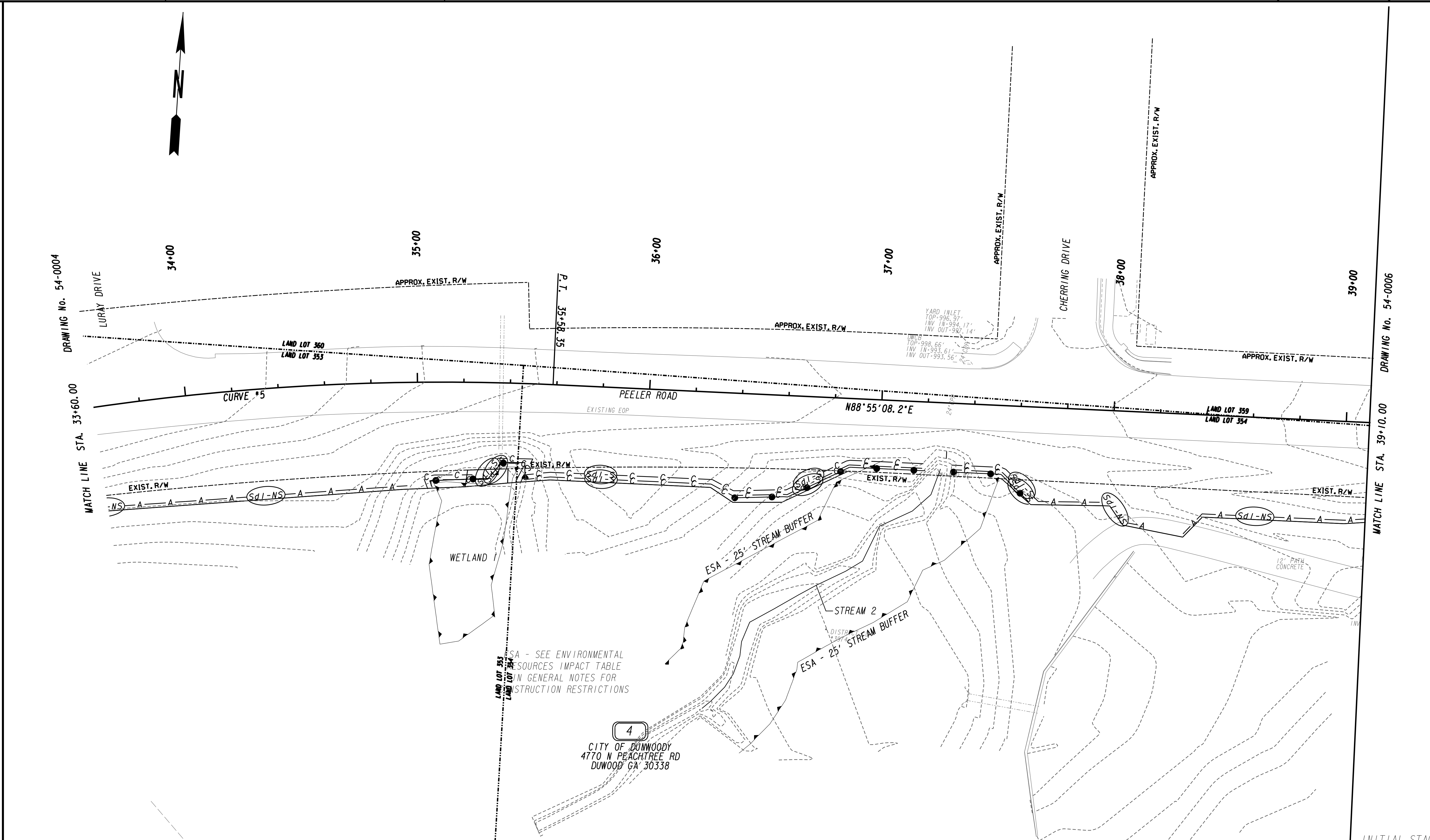

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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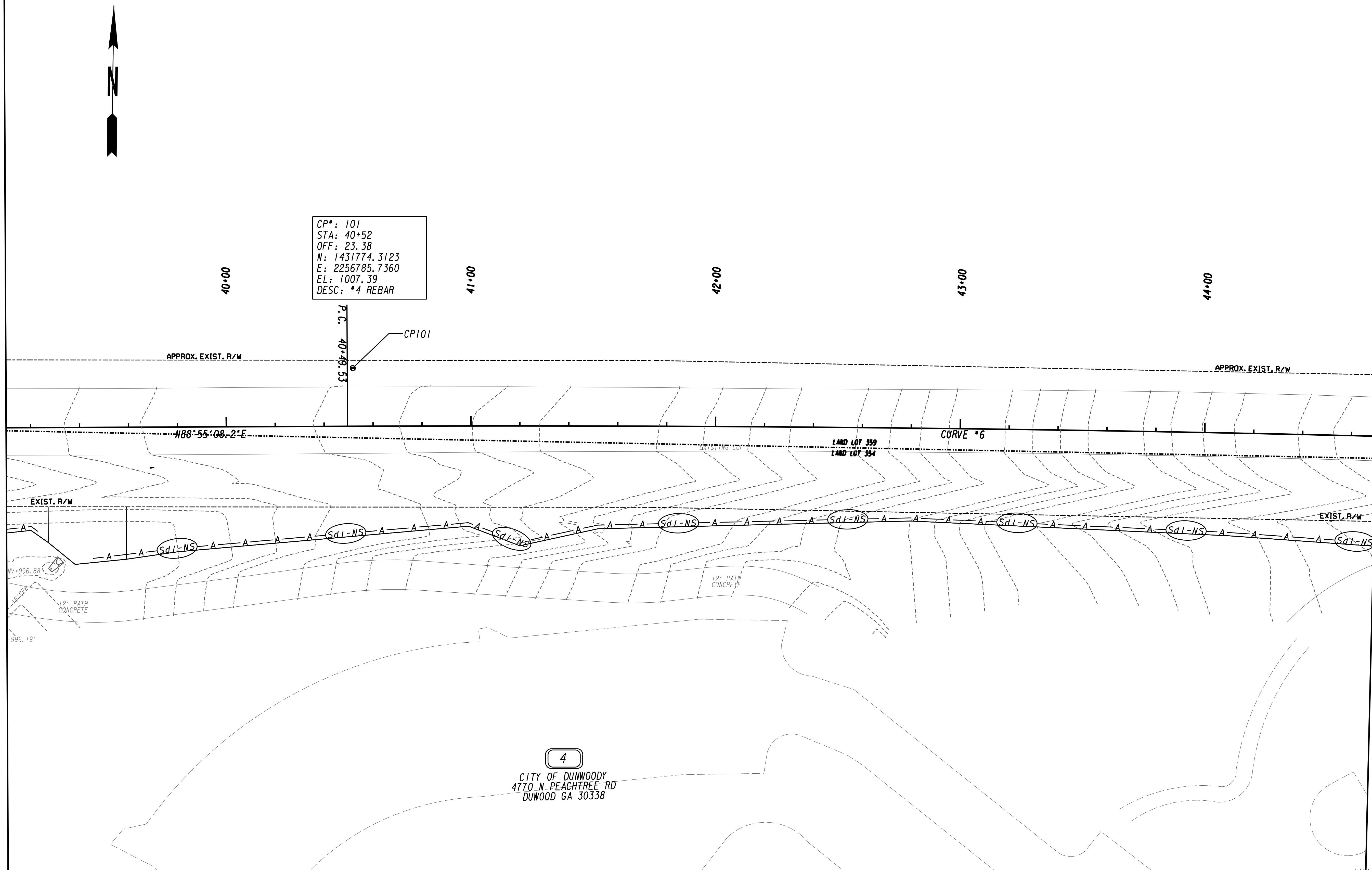

INITIAL STAGE

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET 0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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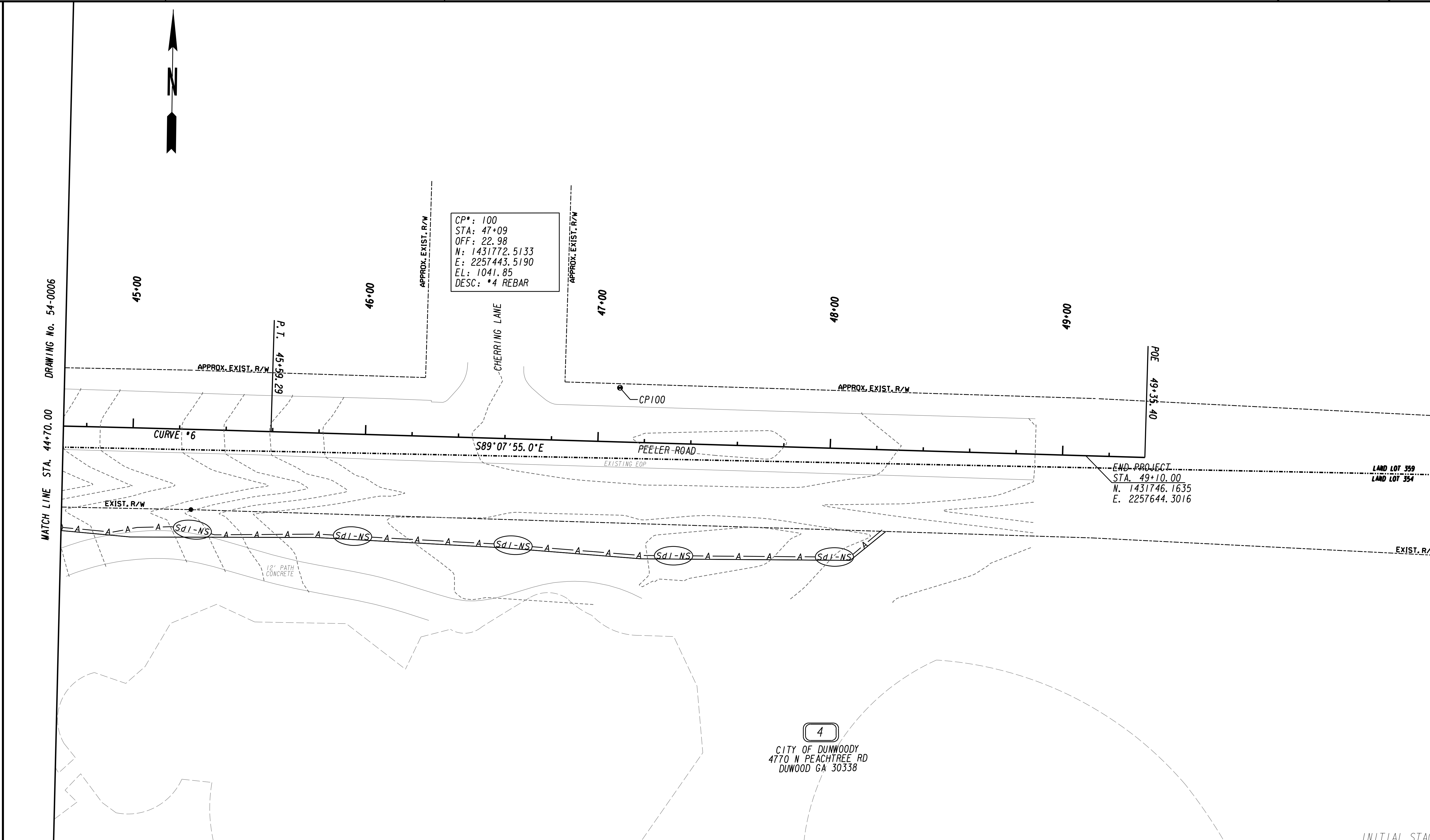

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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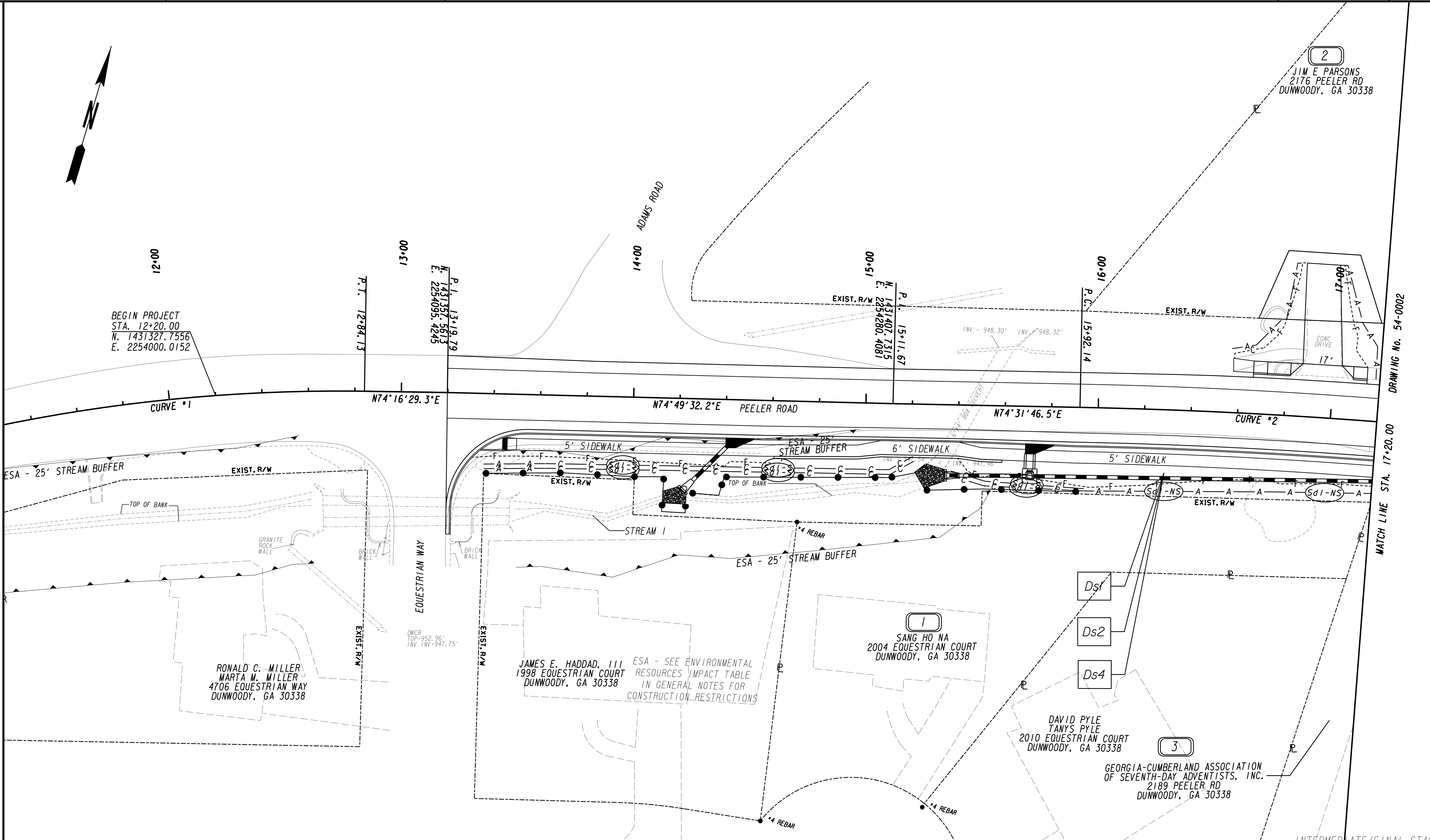

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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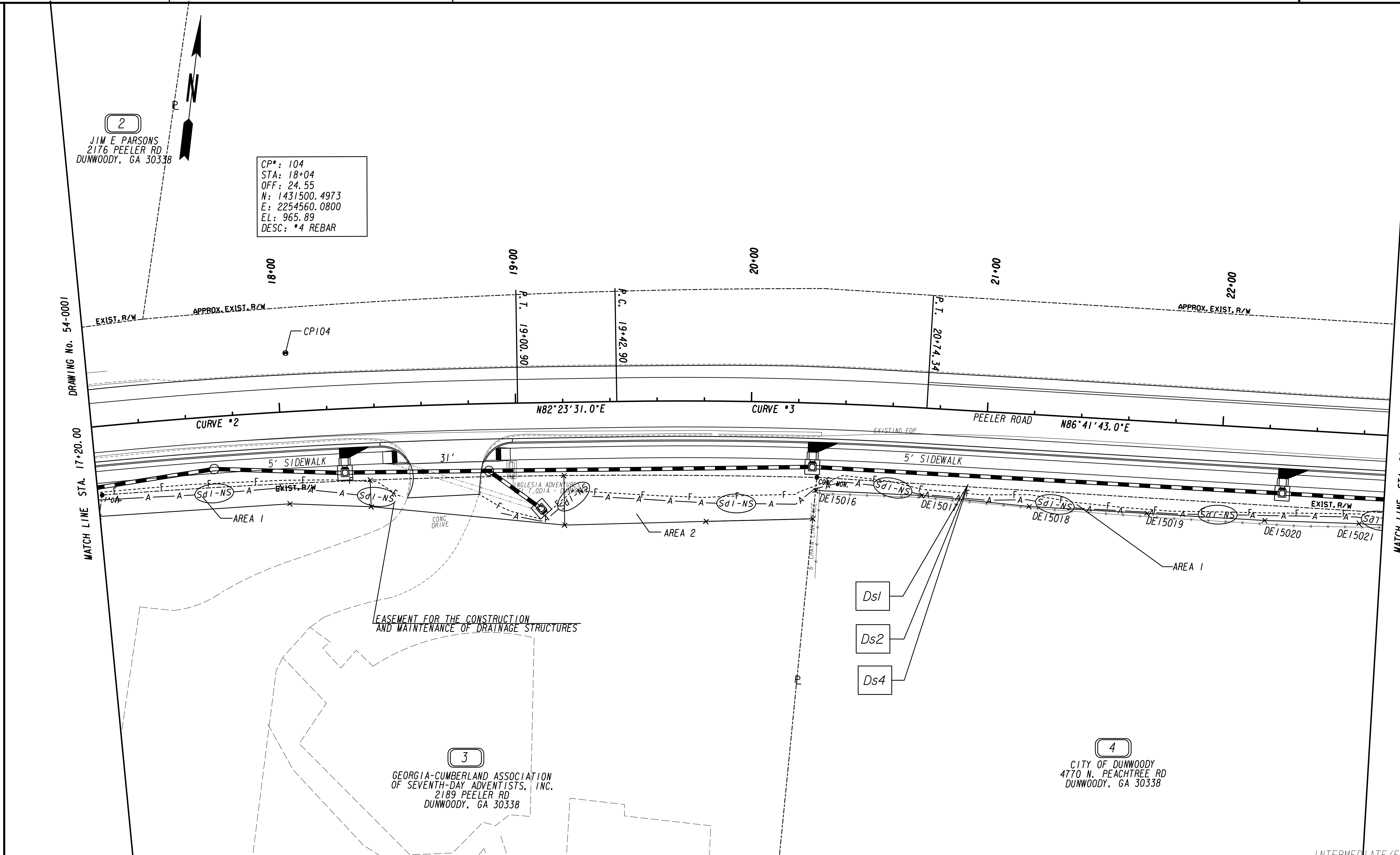

INTERMEDIATE/FINAL STAGE

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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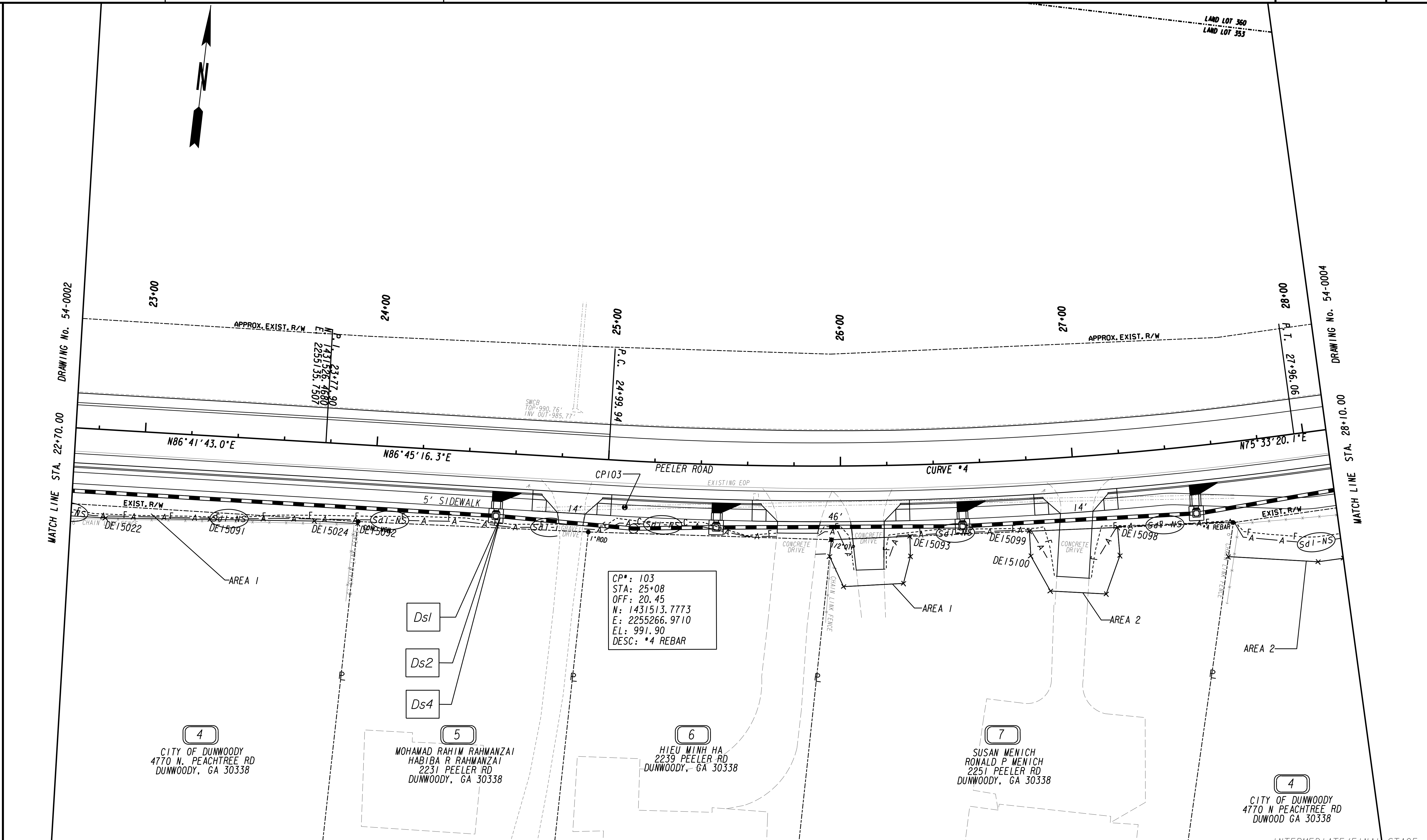

INTERMEDIATE/FINAL STAGE

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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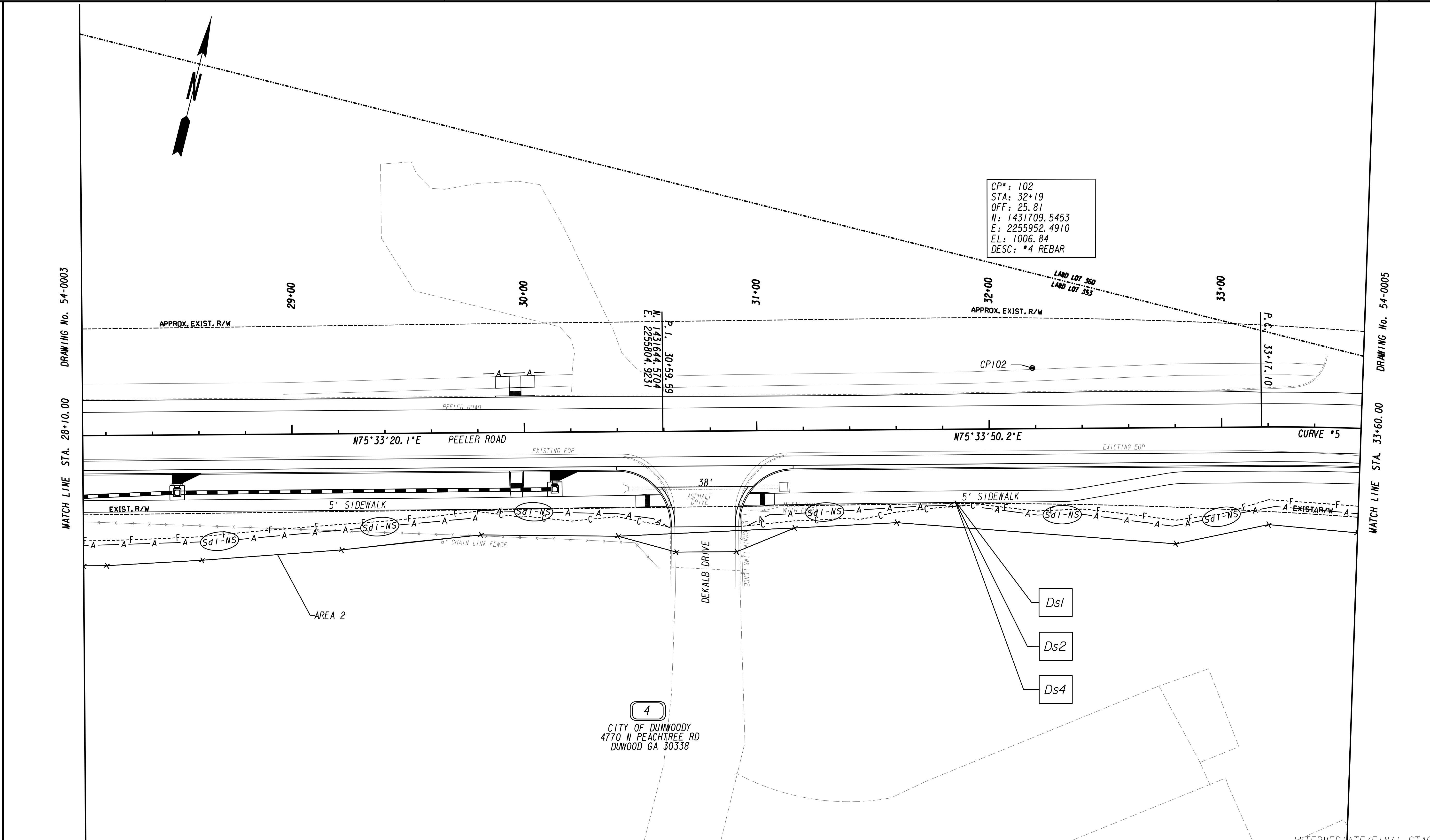

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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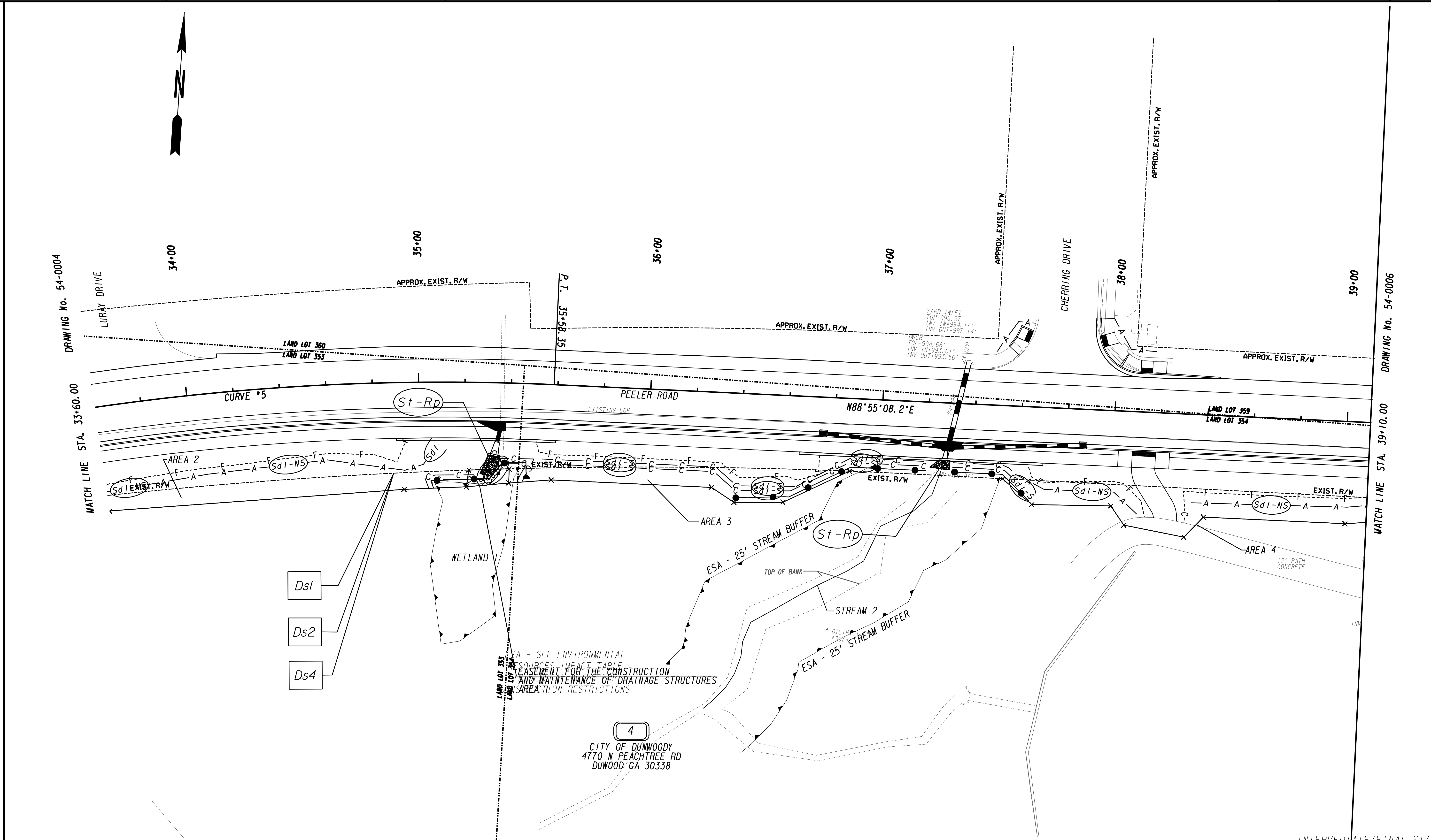

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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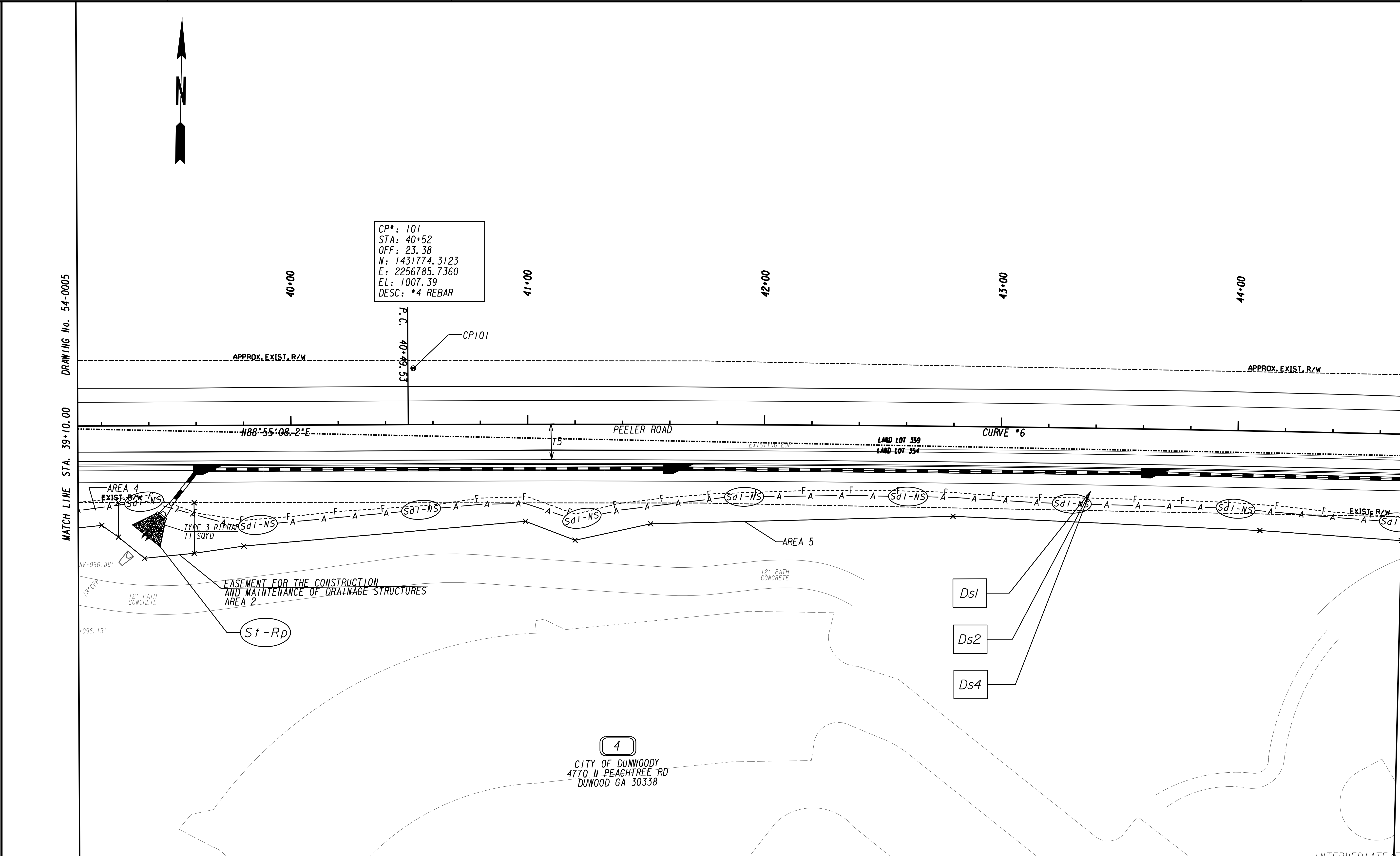
10/23/2015 GPLN



INTERMEDIATE/FINAL STAGE

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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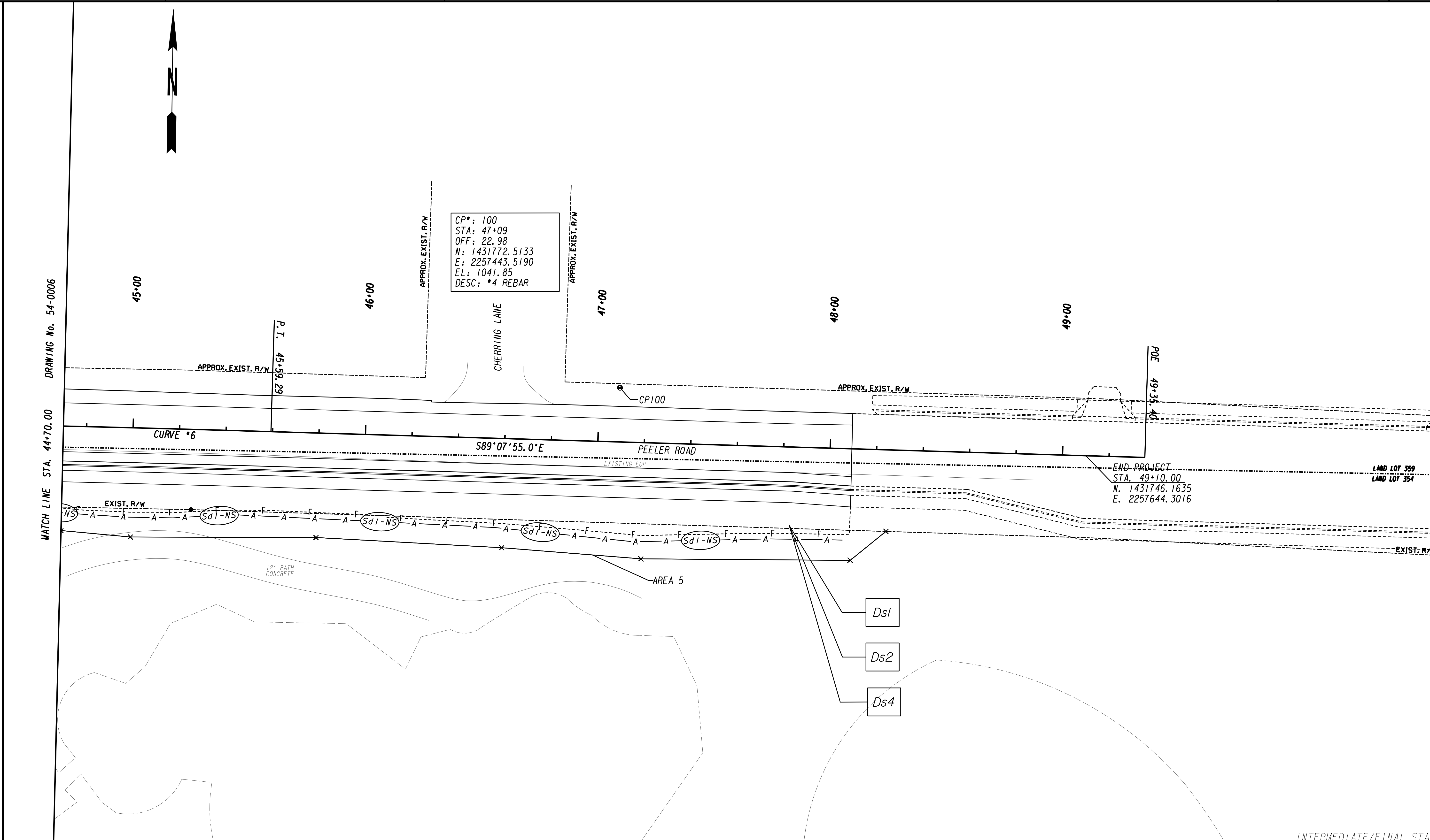

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PEELER ROAD SIDEWALK

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BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
54-0014

N

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 2000 4000 8000

REVISION DATES

WATERSHED MAP SITE MONITORING PLAN
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
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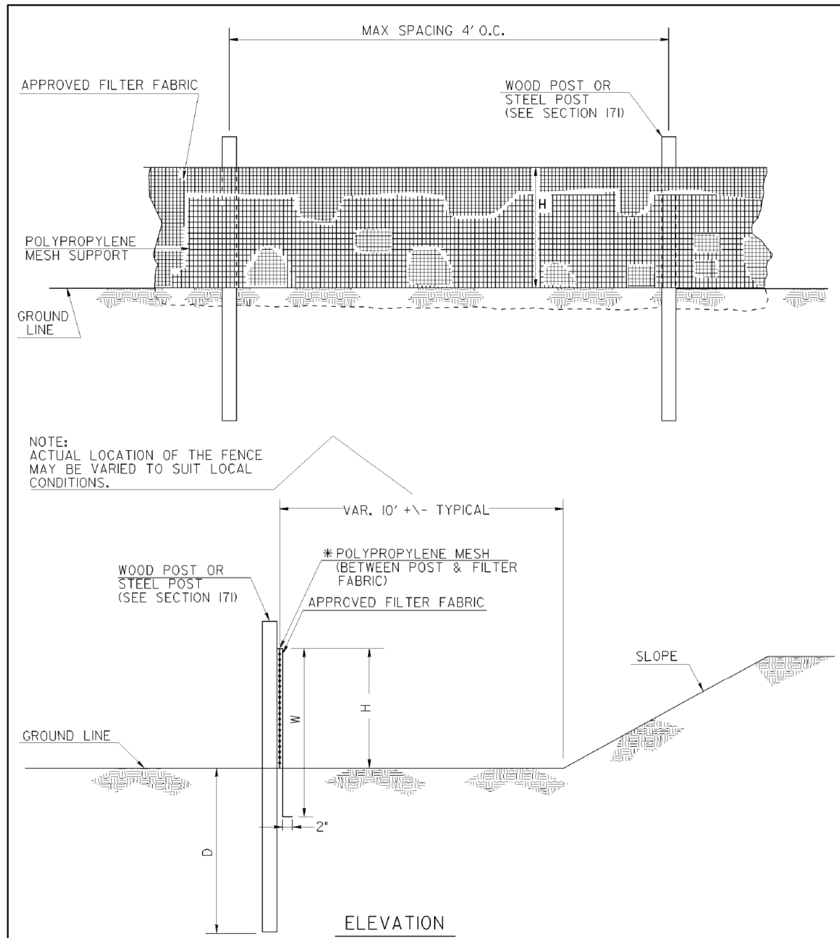
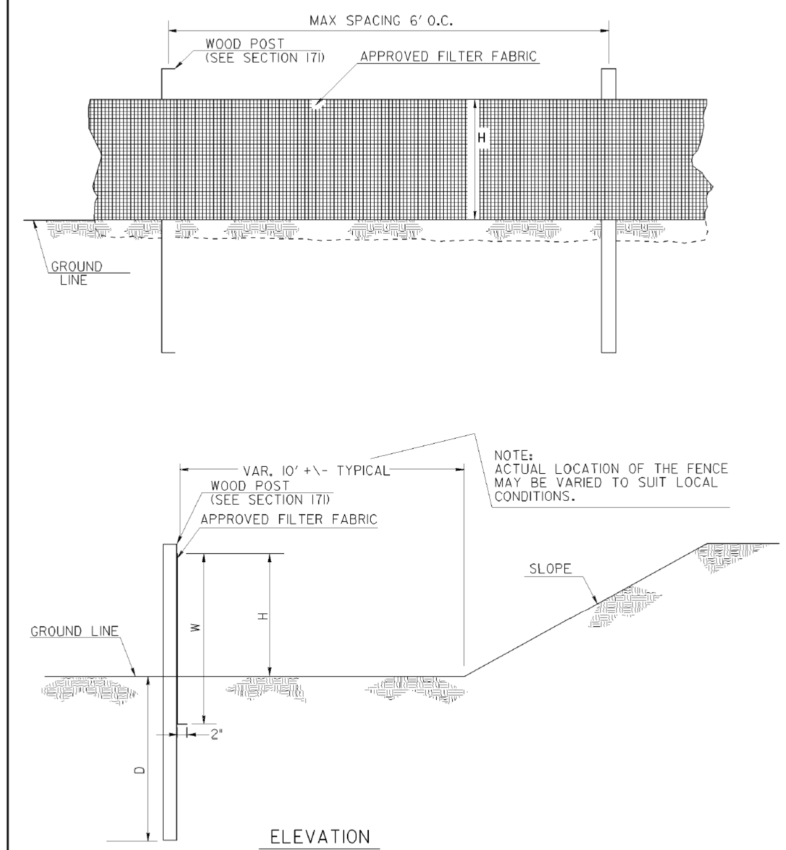
VERIFIED:		DATE:	

DRAWING No.
55-0001

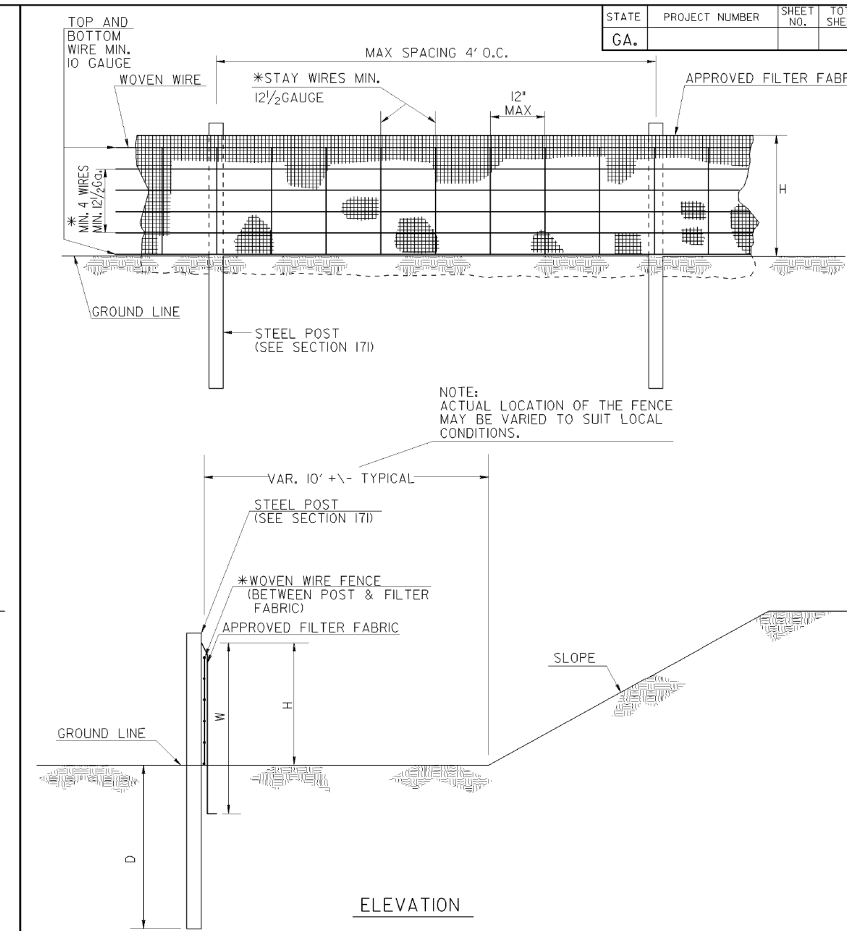
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾ INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

DATE | REVISION | BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE REV. AND REDRAWN JAN. 2011

NUMBER
D-24A
(SHEET 1 OF 4)

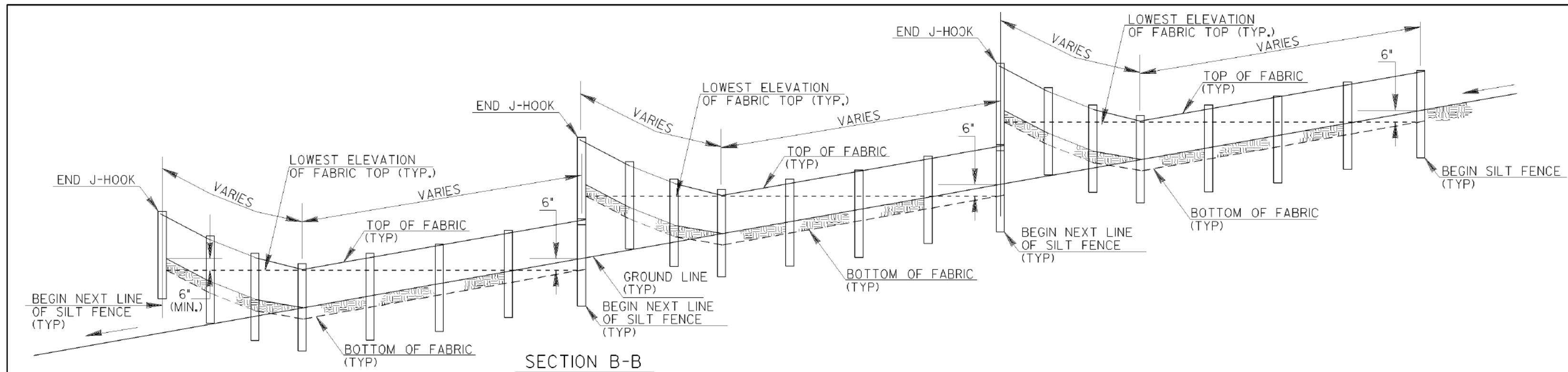
CALYX
ENGINEERS + CONSULTANTS

REVISION DATES

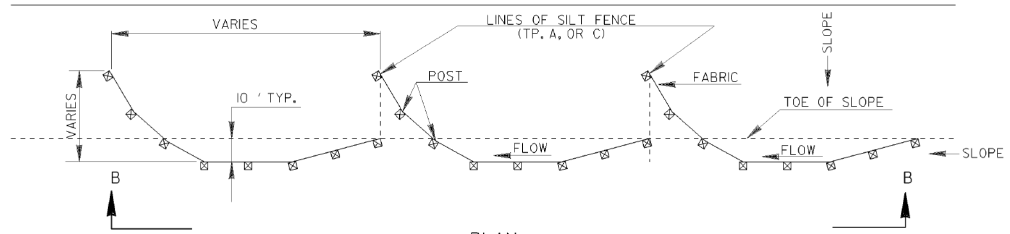
EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
56-0001

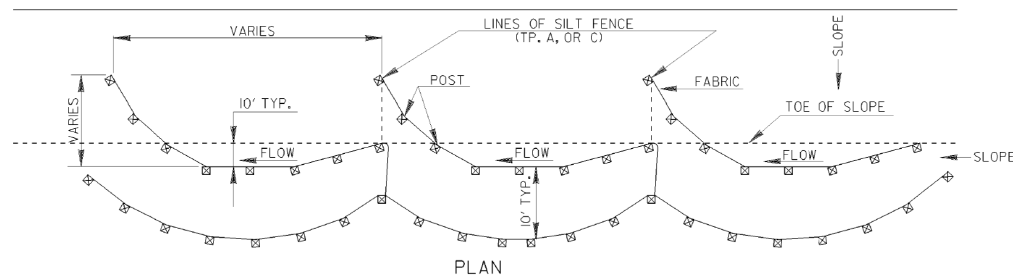


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

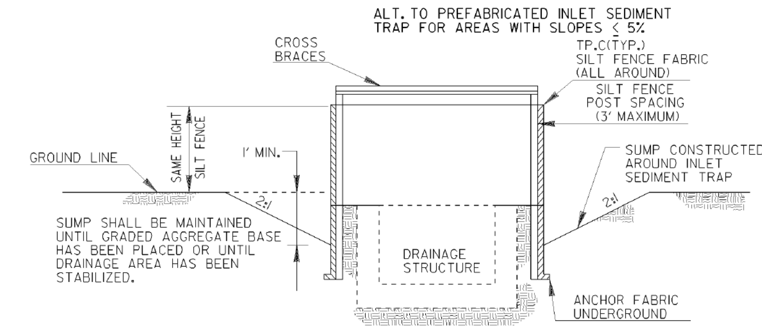
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

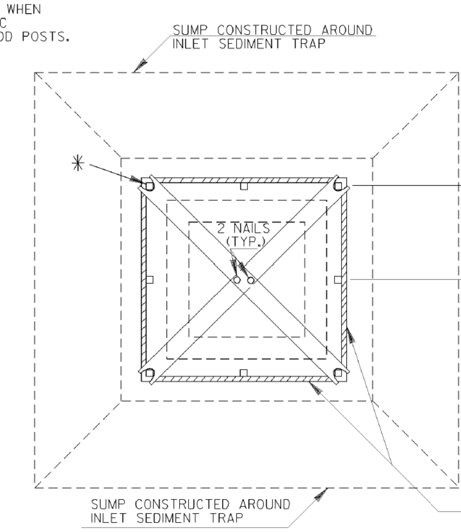
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TYPICAL LOCATION AROUND DROP INLETS



ELEVATION

* CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

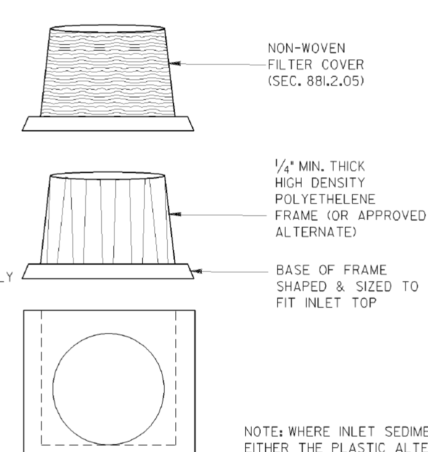
NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

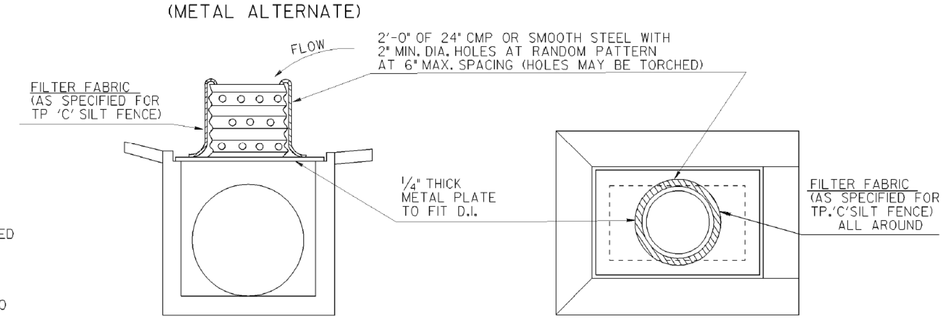
NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

(PLASTIC ALTERNATE)



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

DATE / REVISION / BY

NUMBER D-24C (SHEET 3 OF 4)

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
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DRAWING No. 56-0002

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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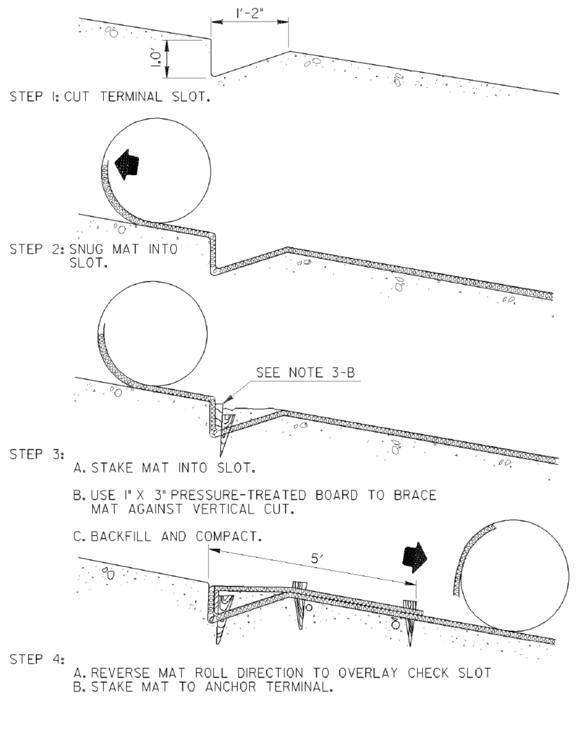
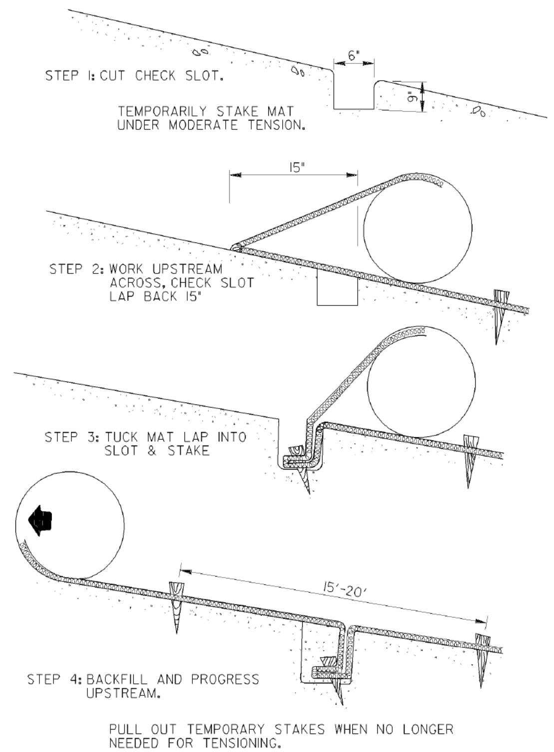
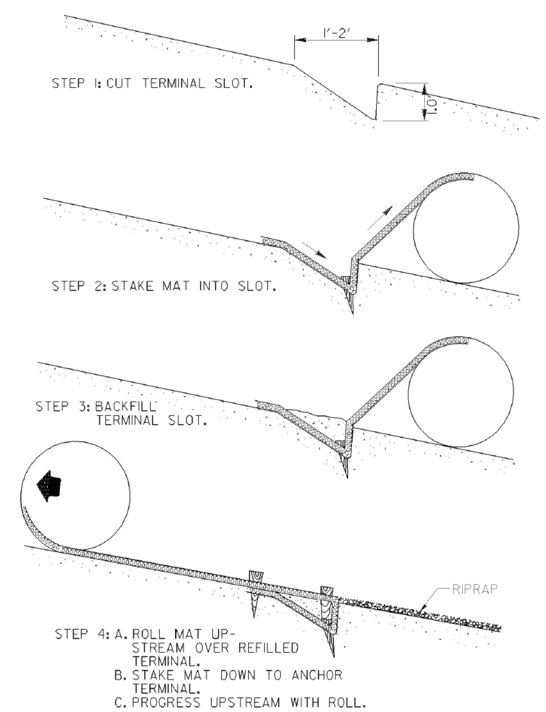


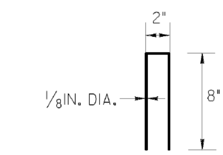
UPSTREAM TERMINAL



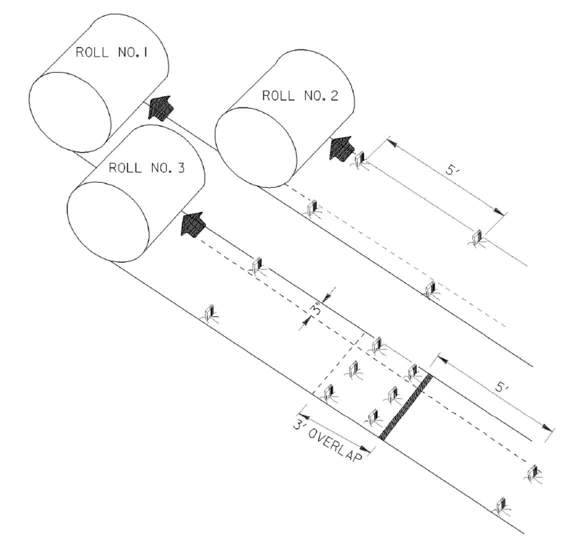
TRANSVERSE CHECK SLOT



DOWNSTREAM TERMINAL



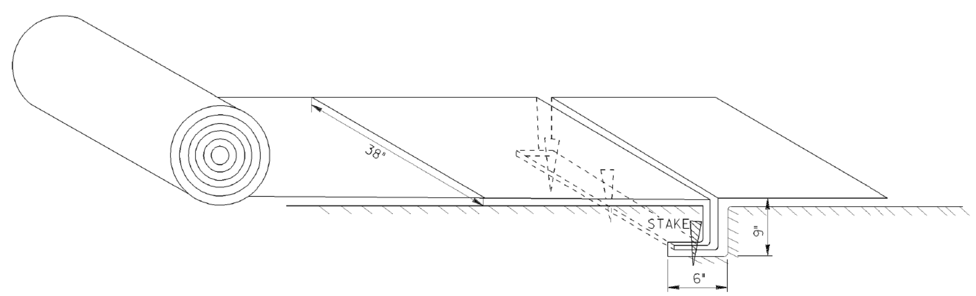
METAL MATTING - BLANKET STAPLE



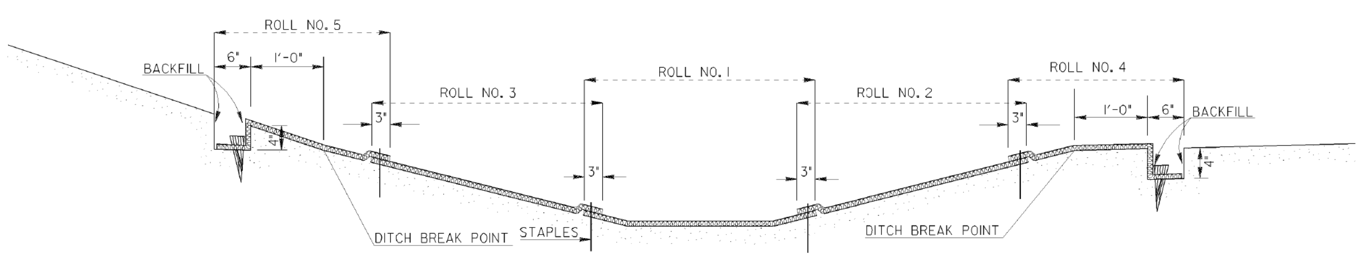
SEQUENTIAL ROLL RUN OUT IN CHANNELS

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.



PICTORAL VIEW OF TRANSVERSE SLOT



DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

H9-11 | REVISED SHEET LAYOUT & ADDED DITCH SECTION, ADDED METAL STAPLE. | T.P.C.
DATE | REVISION | BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PERMANENT SOIL REINFORCING MAT
(TURF REINFORCING MATS)
INSTALLATION ON DITCHES

NO SCALE AUGUST 1988

Designed
Drawn K.L.J.
Traced
Checked

NUMBER
D-35

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

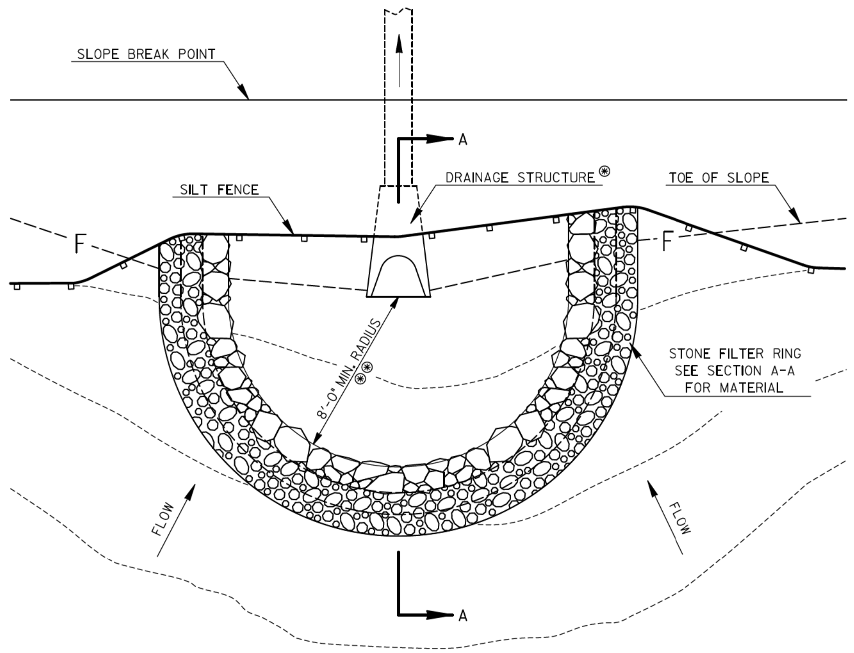
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
56-0003

10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

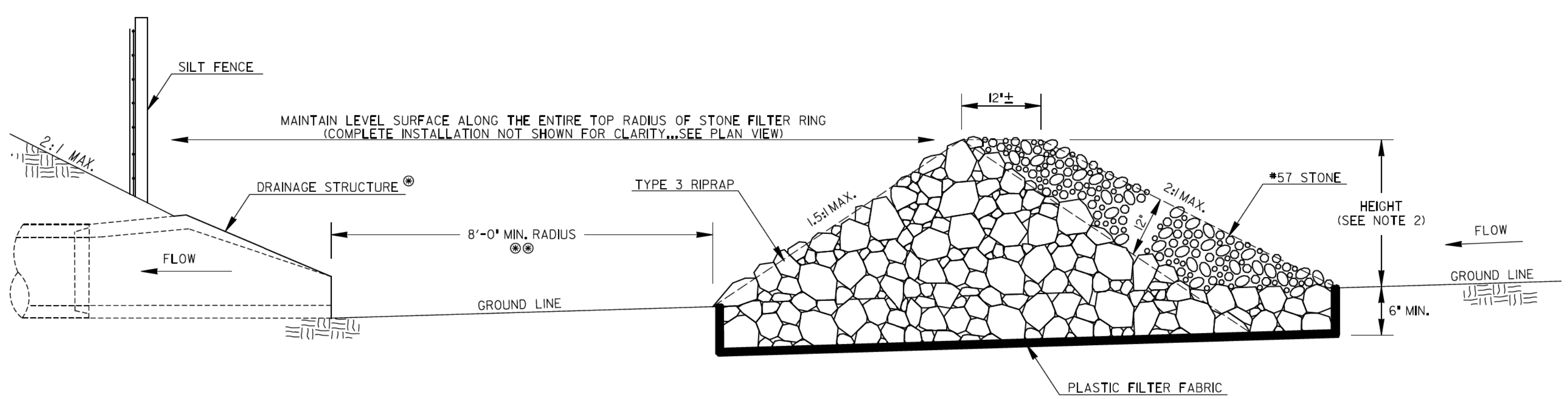
ROADWAY DRAINAGE STRUCTURE INLET



PLAN VIEW

⊛ A FLARED END ROADWAY DRAINAGE STRUCTURE IS SHOWN. HOWEVER, OTHER ROADWAY DRAINAGE STRUCTURES OR A DETENTION POND'S OUTLET STRUCTURE MAY APPLY. AN APPROPRIATE RETROFIT BMP IS PREFERRED IN CONJUNCTION WITH THE STONE FILTER RING. SEE GENERAL NOTE 1 FOR ADDITIONAL INFORMATION.

⊛⊛ THE PREFERRED MINIMUM RADIUS OF THE STONE FILTER RING IS 8 FEET. THE RADIUS MAY BE REDUCED TO A MINIMUM OF 4 FEET FROM THE DRAINAGE STRUCTURE IF A RETROFIT BMP IS NOT PROVIDED. SEE GENERAL NOTE 1 FOR ADDITIONAL REQUIREMENTS.



SECTION A-A

GENERAL NOTES:

1. A STONE FILTER RING MAY BE PLACED ON ROADWAY DRAINAGE STRUCTURE INLETS, SUCH AS FLARED END SECTIONS, TO STORE SEDIMENT IN LOW AREAS WITHIN THE PROJECT. IN CONJUNCTION WITH THE STONE FILTER RING, A RETROFIT BMP APPROPRIATE FOR ROADWAY DRAINAGE STRUCTURE INLETS IS PREFERRED. IF A RETROFIT BMP IS NOT PROVIDED, OTHER SEDIMENT CONTROL BMPs SHALL BE PROVIDED DOWNSTREAM OF THE STONE FILTER RING PRIOR TO LEAVING THE PROJECT AREA. THE STONE FILTER RING SHALL BE 8 FEET TO 10 FEET UPSTREAM OF THE RETROFIT BMP. THE STONE FILTER RING IS NOT INTENDED TO SUBSTANTIALLY IMPOUND WATER, ADVERSELY IMPACTING AREAS OUTSIDE OF THE PROJECT.

   A STONE FILTER RING MAY ALSO BE USED IN CONJUNCTION WITH A RETROFIT BMP USED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE TO PROVIDE ADDITIONAL SEDIMENT FILTERING. THE STONE FILTER RING SHALL BE INSTALLED 8 FEET TO 10 FEET UPSTREAM OF THE POND'S RETROFIT BMP.

   STONE FILTER RINGS ARE NOT RECOMMENDED WITHIN ROADWAY DRAINAGE DITCHES. STONE FILTER RINGS SHALL NOT BE PLACED WITHIN STATE WATERS.

2. THE HEIGHT OF THE STONE FILTER RING SHALL BE A MINIMUM OF 24 INCHES WITH A MAXIMUM HEIGHT OF 48 INCHES. MAINTAIN A LEVEL SURFACE ALONG THE ENTIRE TOP RADIUS OF THE STONE FILTER RING.

3. REFER TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FOR THE LOCATION OF STONE FILTER RINGS. THE INSTALLATION OF SILT FENCE AND RETROFITS ARE INDEPENDENT OF THE STONE FILTER RING AND WILL BE PAID FOR SEPARATELY AS APPLICABLE TO THE ESPCP.

4. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE FILTER RINGS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE FILTER RINGS.

PAY ITEMS:

163-0542	CONSTRUCT & REMOVE STONE FILTER RING	(EA)
165-0111	MAINTENANCE OF STONE FILTER RING	(EA)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
STONE FILTER RING

NO SCALE JULY 2018

DATE / REVISION / BY

DESIGNED DLE
DRAWN DLE
CHECKED
REVISED

NUMBER D-46

CALYX
ENGINEERS + CONSULTANTS

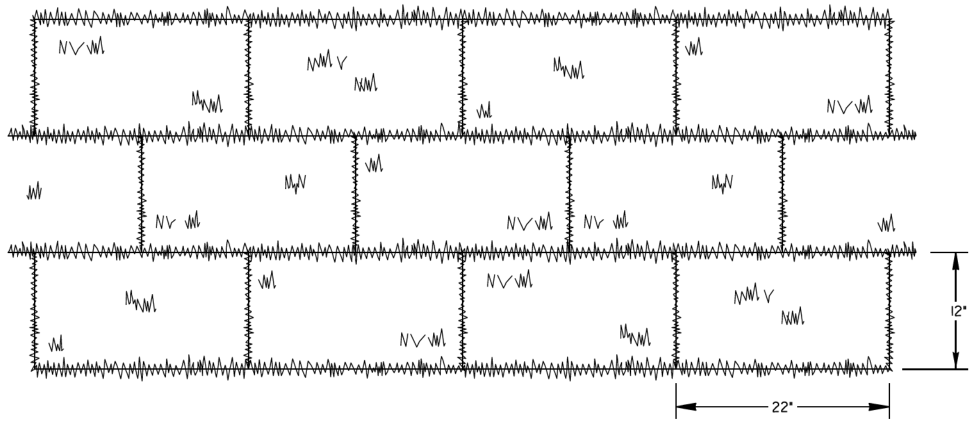
REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

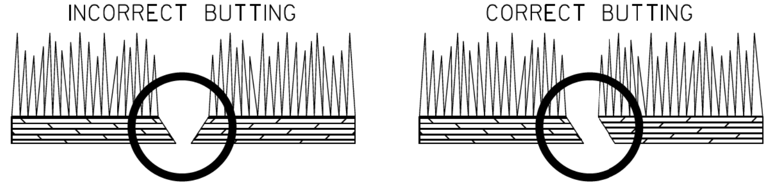
SOD LAYOUT



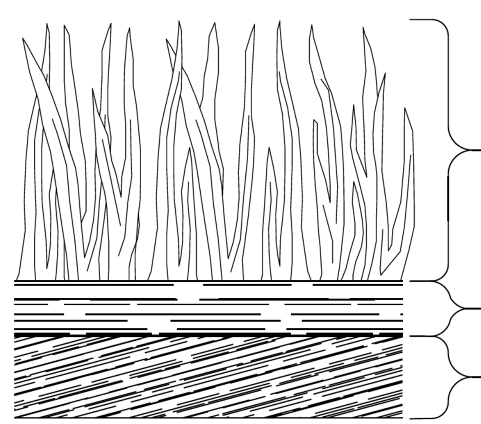
NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

ABUTTING SOD

INCORRECT BUTTING   CORRECT BUTTING



SOD APPEARANCE



GRASS SHOULD BE GREEN, HEALTHY, AND MOWED AT A 2"-3" CUTTING HEIGHT

1/2" MAX. THATCH THICKNESS

1/2"-3/4" THICK SOIL AND DENSE ROOT MAT

GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300   SOD (SY)

DATE | REVISION | BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE   4-22-2016

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER
D-54

CALYX
ENGINEERS + CONSULTANTS

REVISION DATES

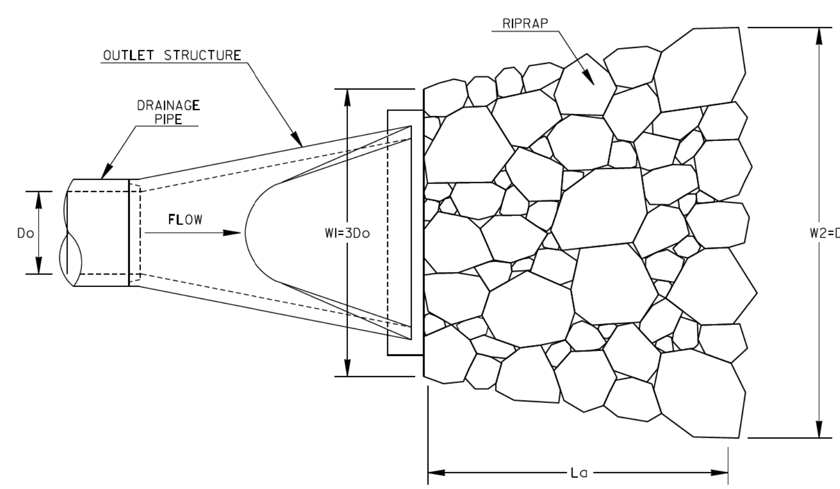
EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

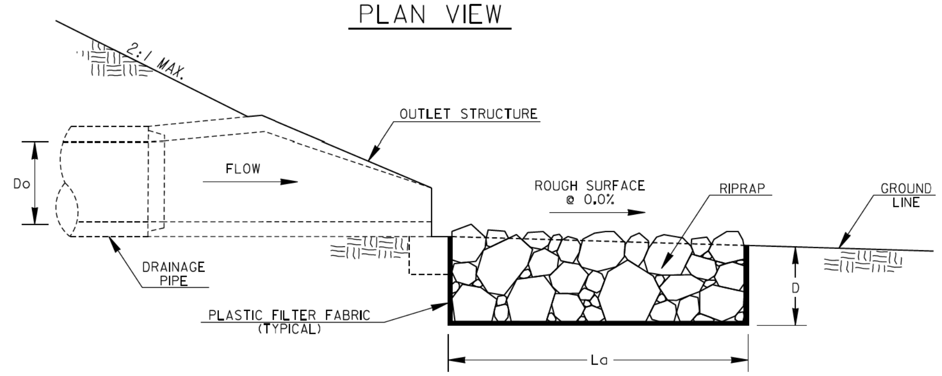
DRAWING No.
56-0005

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET TO FLAT AREA

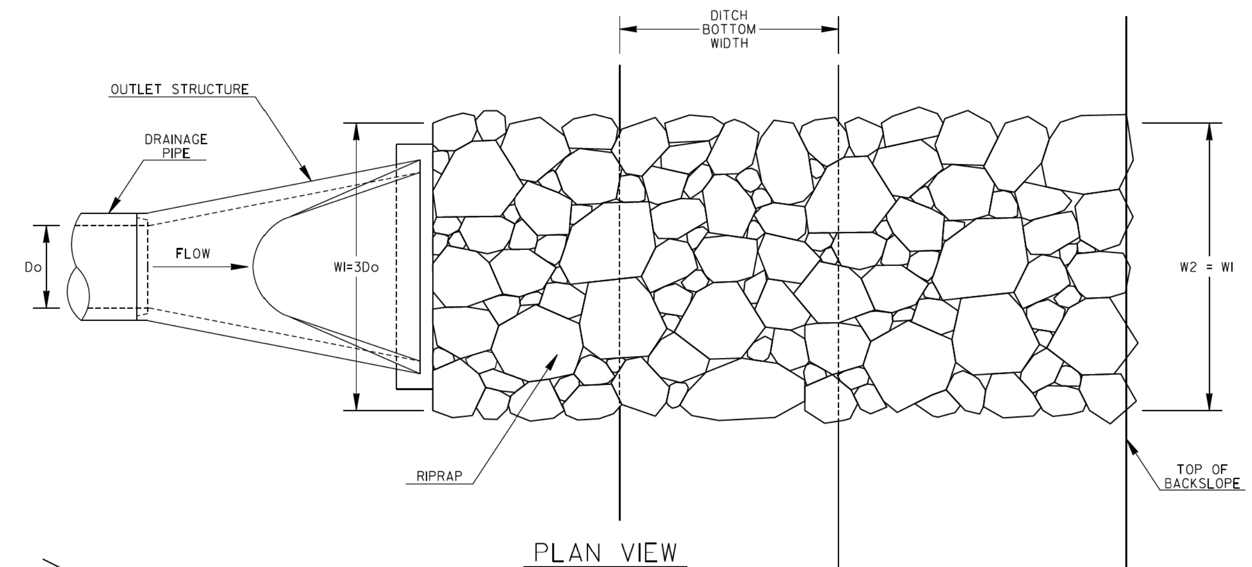


PLAN VIEW

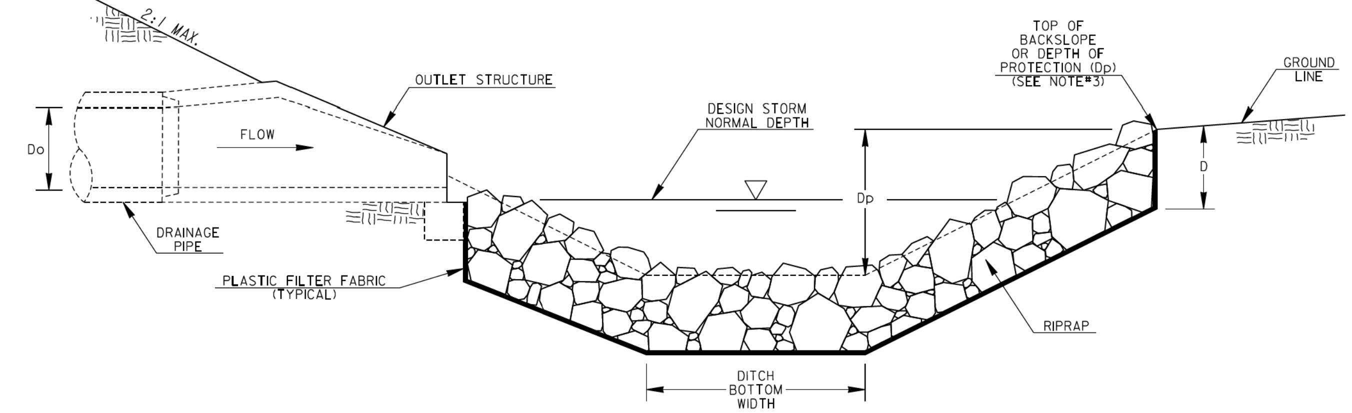


PROFILE VIEW

OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



PLAN VIEW



PROFILE VIEW

GENERAL NOTES:

1. RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY.
   RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
   THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL.
   THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.

5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
W1 = APRON WIDTH UPSTREAM
W2 = APRON WIDTH DOWNSTREAM
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 1 OF 2)

NO SCALE 4-22-2016

DATE / REVISION / BY

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER
D-55A

CALYX ENGINEERS + CONSULTANTS

REVISION DATES

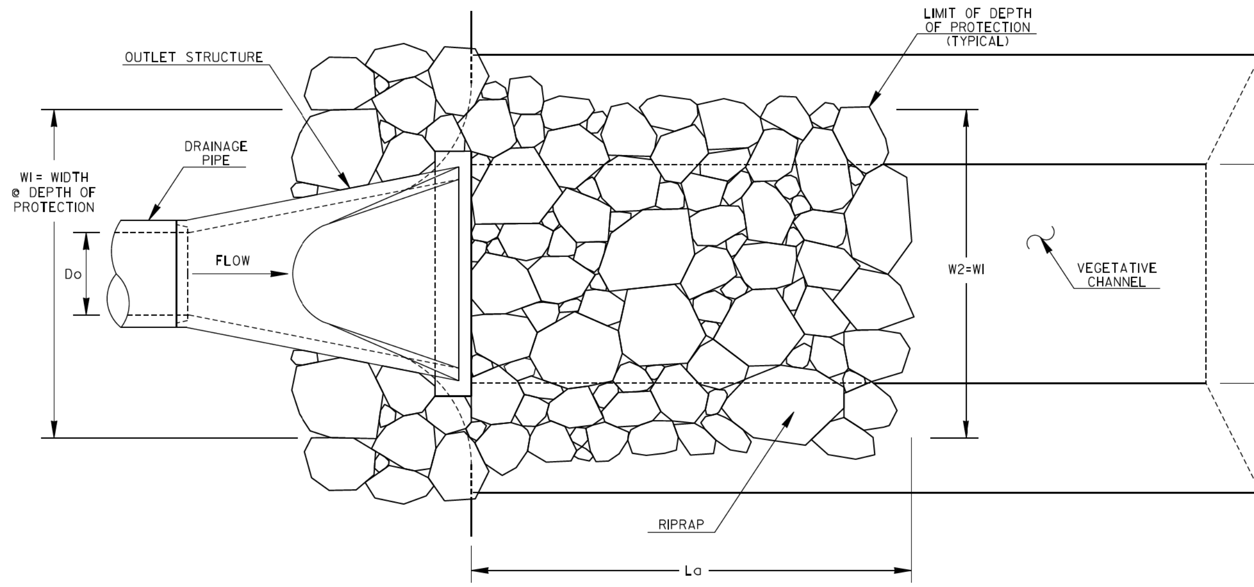
EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
56-0006

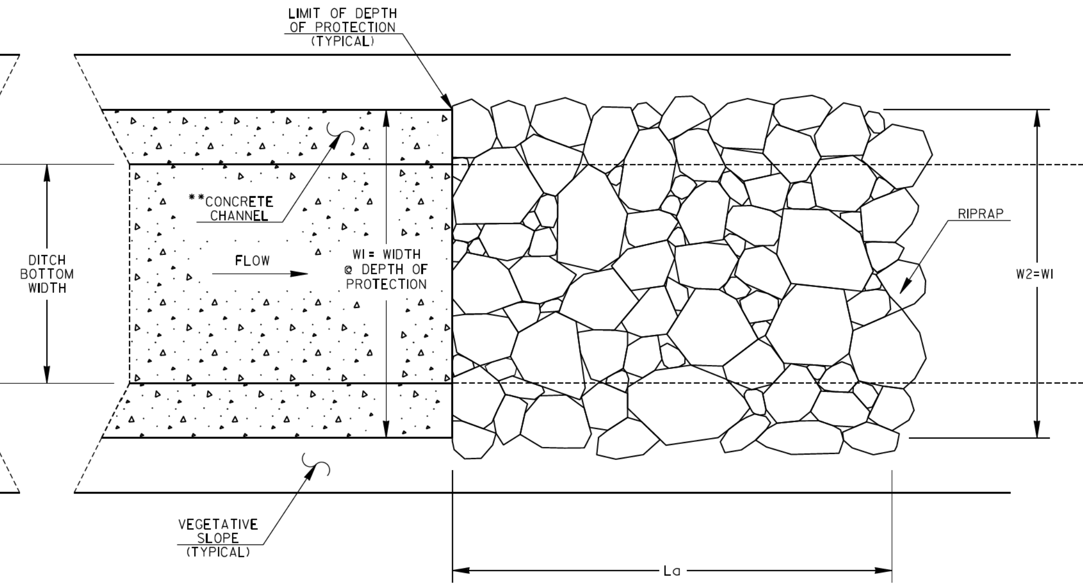
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET PARALLEL TO WELL-DEFINED CHANNEL



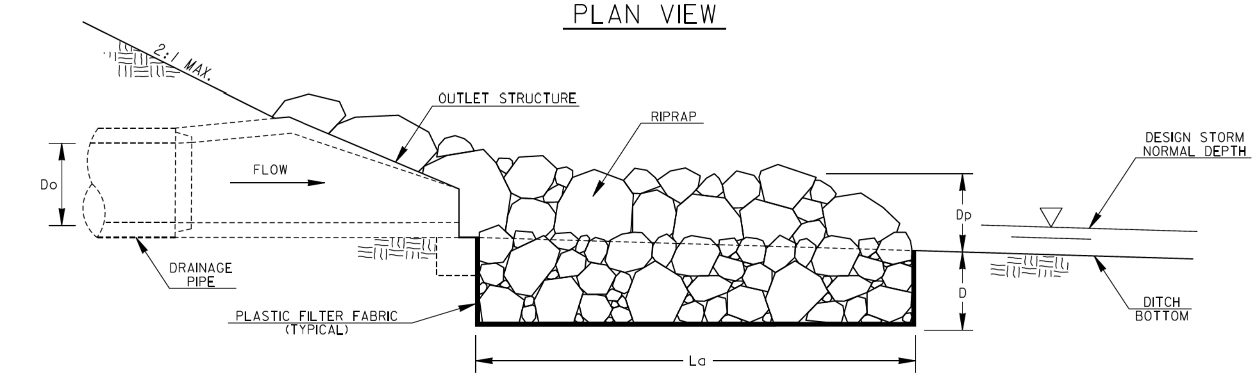
PLAN VIEW

CONCRETE CHANNEL TO RIPRAP TRANSITION

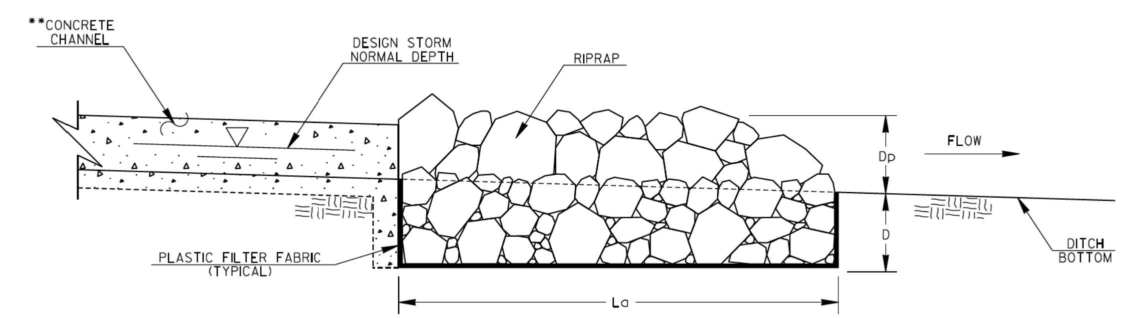


**REFER TO CONSTRUCTION DETAIL D-10 FOR CONCRETE DITCH PAVING INFORMATION

PLAN VIEW



PROFILE VIEW



PROFILE VIEW

GENERAL NOTES:

1. RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES. RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED. IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED. IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.

5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
W1 = APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
W2 = APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 2 OF 2)

NO SCALE 4-22-2016

DATE
REVISION
BY

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER
D-55B

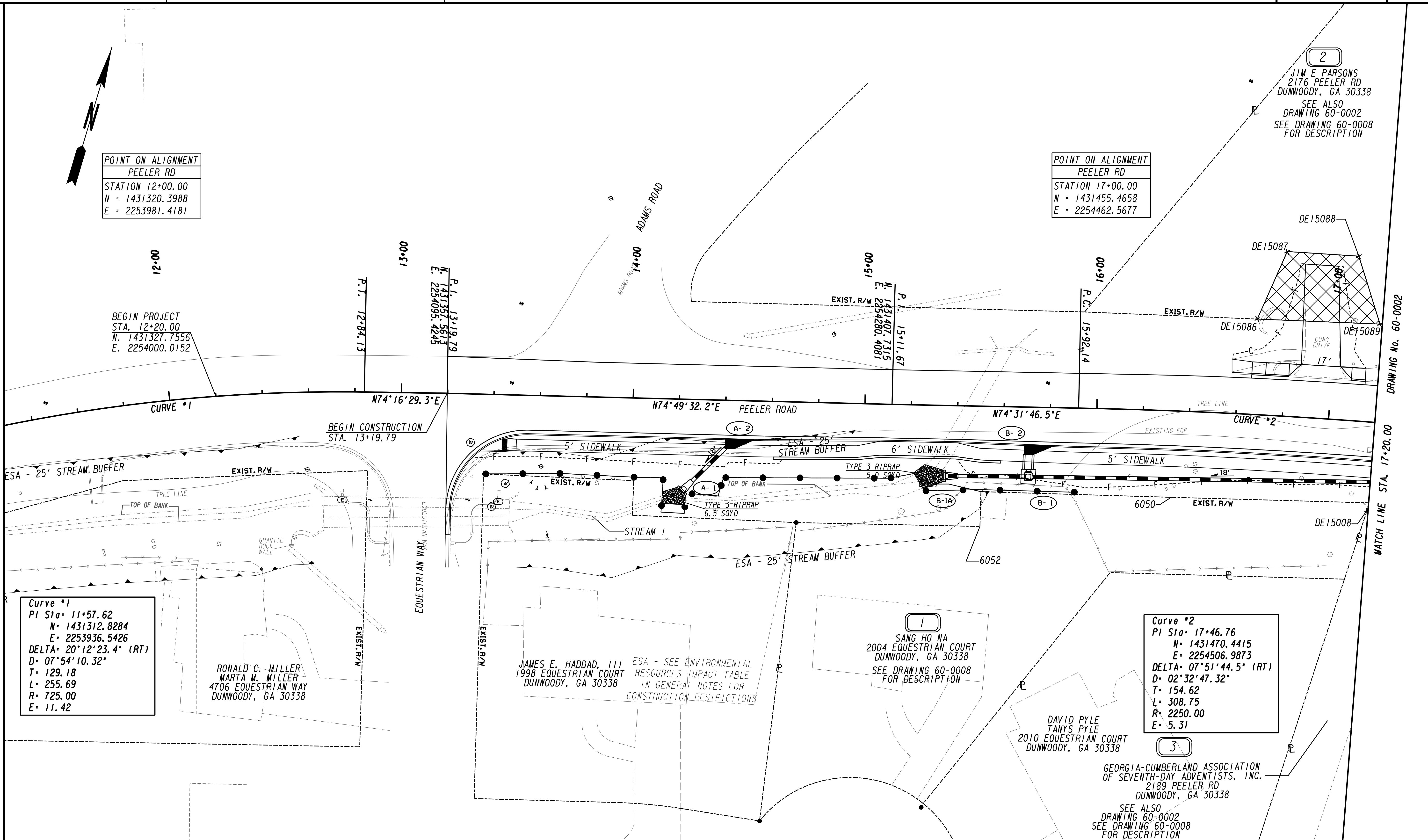
CALYX
ENGINEERS + CONSULTANTS

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
56-0007



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

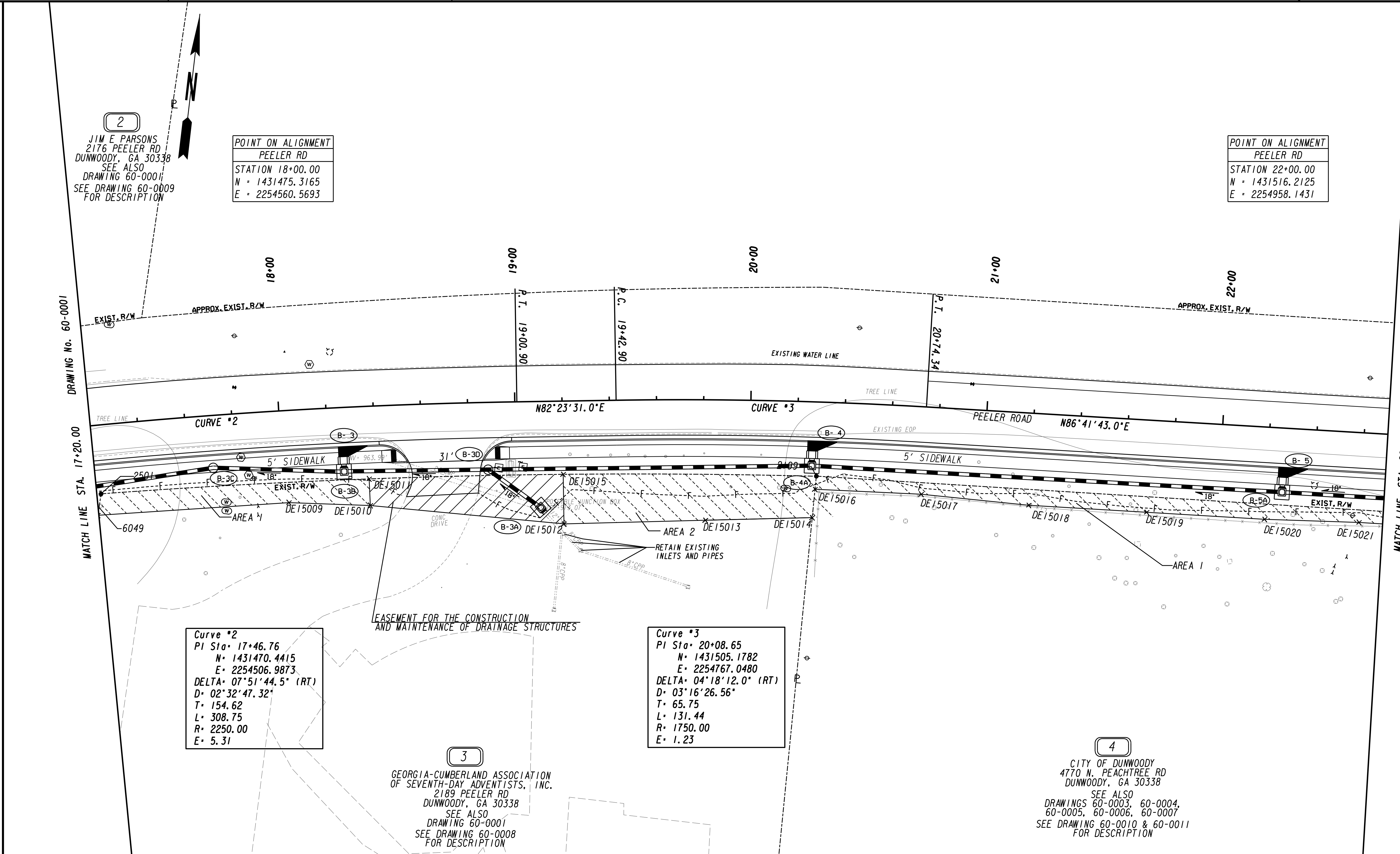
SCALE IN FEET
0 20 40 80

REVISION DATES
1/17/2020

RUGHT OF WAY PLAN
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
60-0001



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

CALYX
ENGINEERS + CONSULTANTS

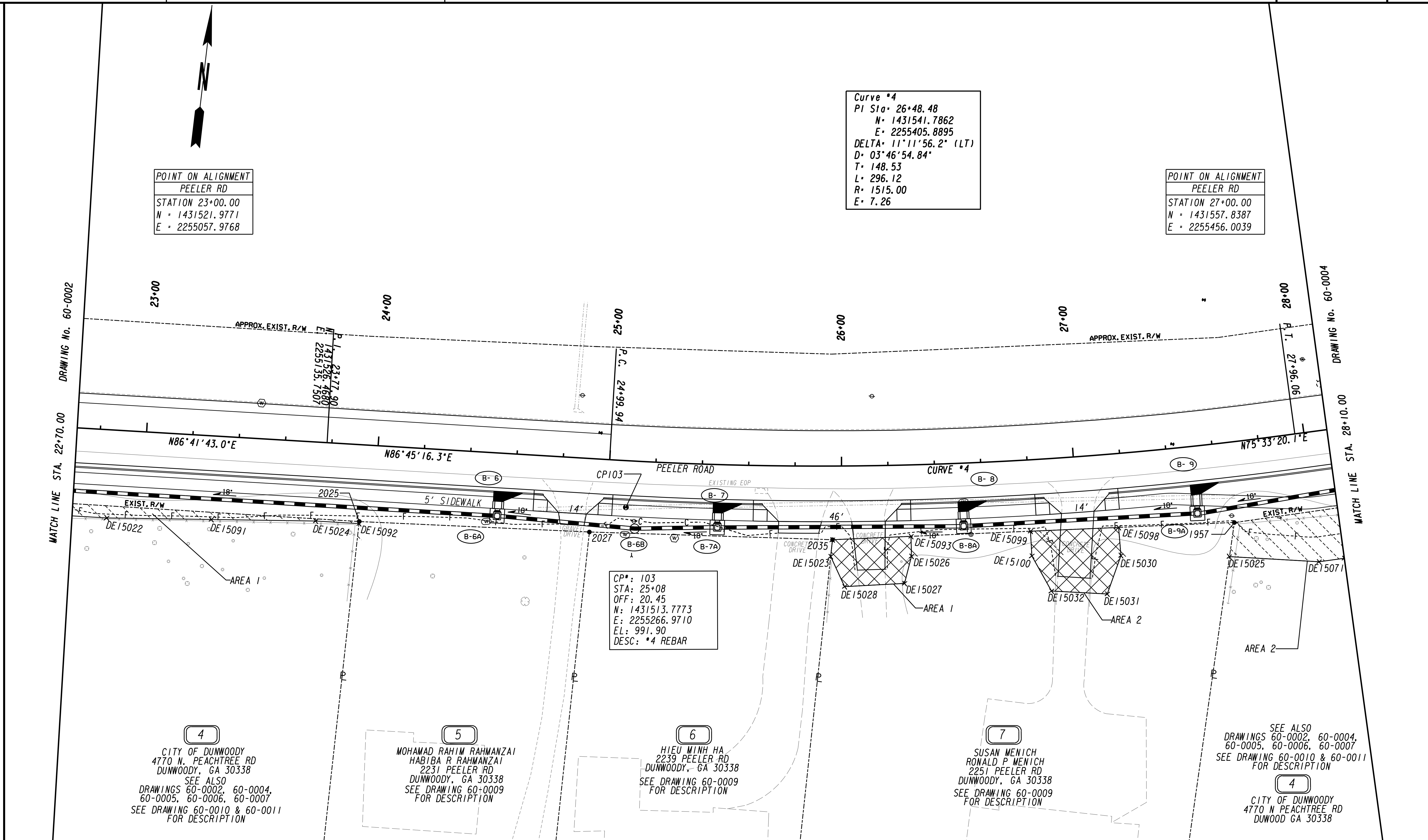
SCALE IN FEET
0 20 40 80

REVISION DATES
1/17/2020

RIGHT OF WAY PLAN
PEELER ROAD SIDEWALK

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
60-0002



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

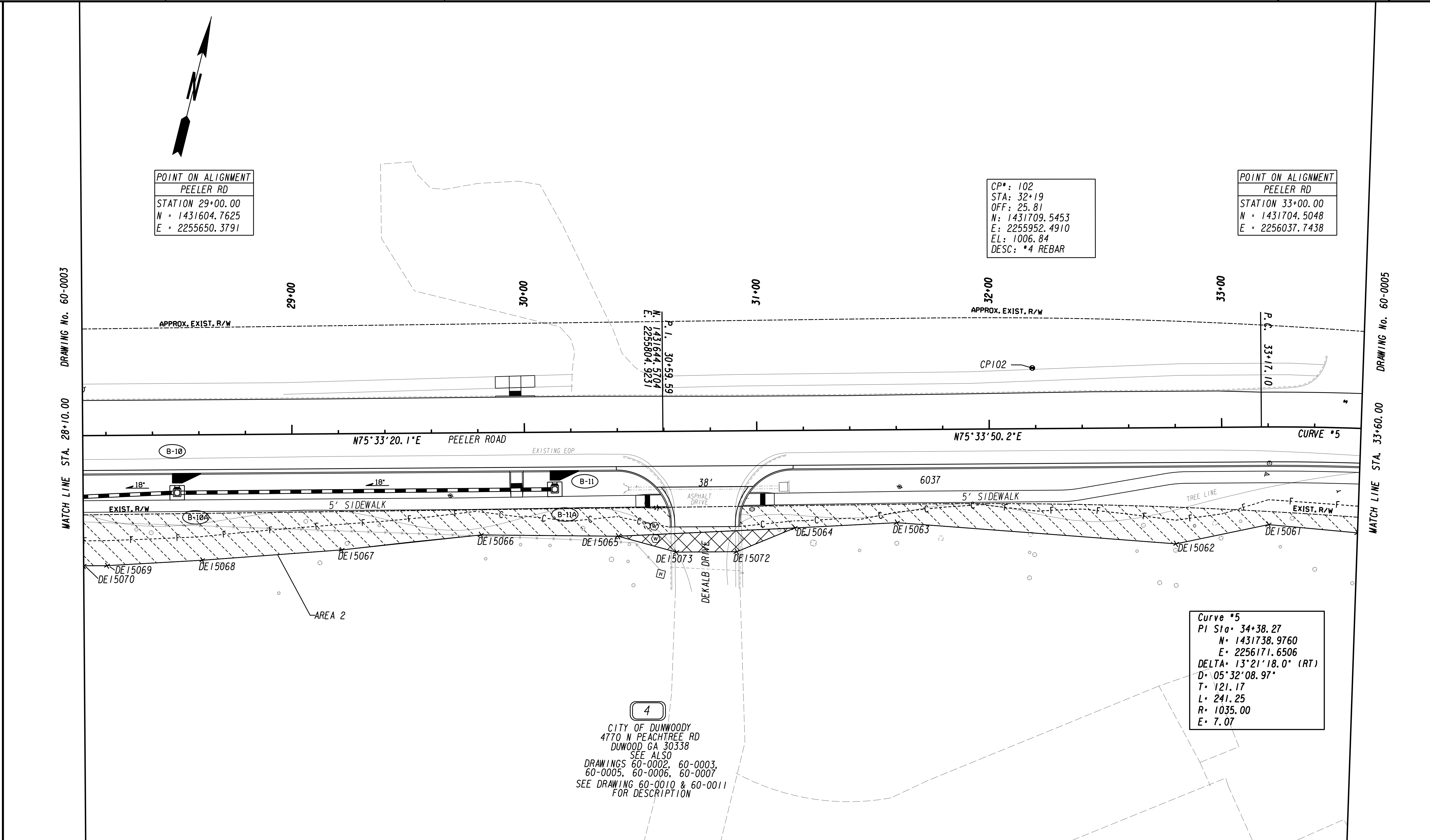
SCALE IN FEET
0 20 40 80

REVISION DATES
1/17/2020

RIGHT OF WAY PLAN
PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
60-0003



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTRUCTION OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

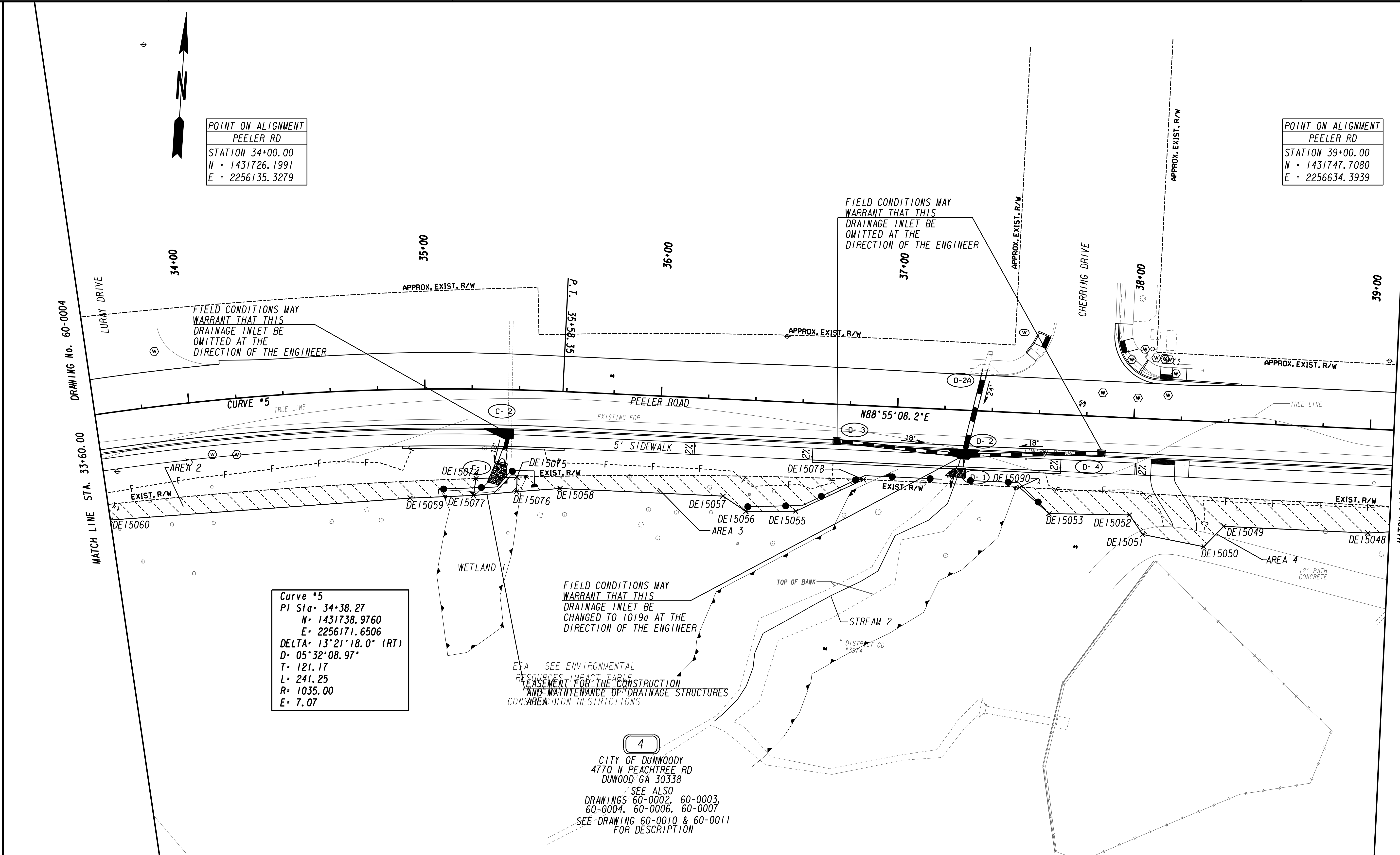
REVISION DATES
1/17/2020

RIGHT OF WAY PLAN

PEELER ROAD SIDEWALK

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 60-0004



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	— C — F —
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

RIGHT OF WAY PLAN

PEELER ROAD SIDEWALK

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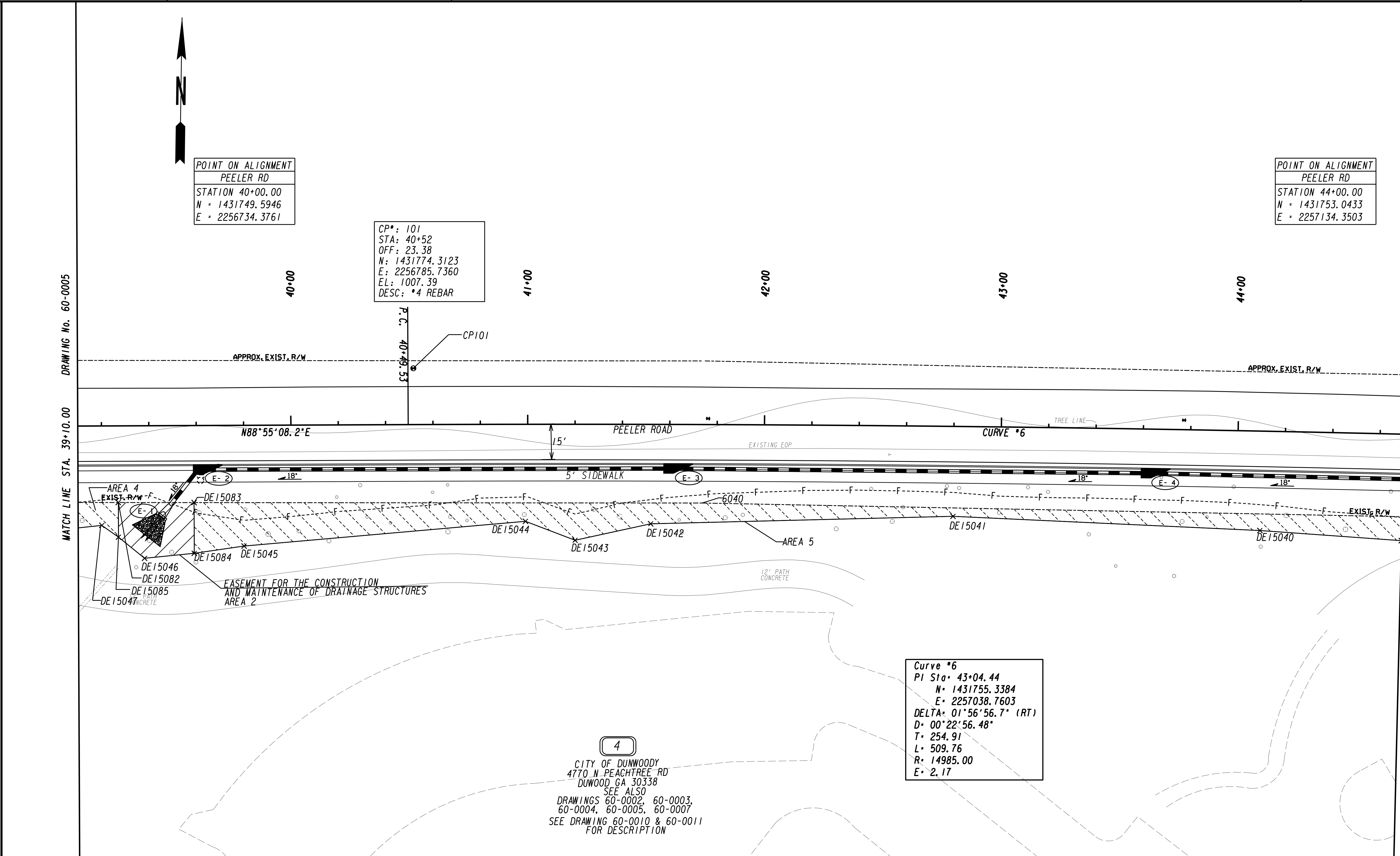
VERIFIED:		DATE:	

DRAWING No.
60-0005

4/28/2016 GPLN



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	—C— —F—
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

BEGIN LIMIT OF ACCESS............BLA	
END LIMIT OF ACCESS.............ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

CALYX
ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

RIGHT OF WAY PLAN
PEELER ROAD SIDEWALK

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BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
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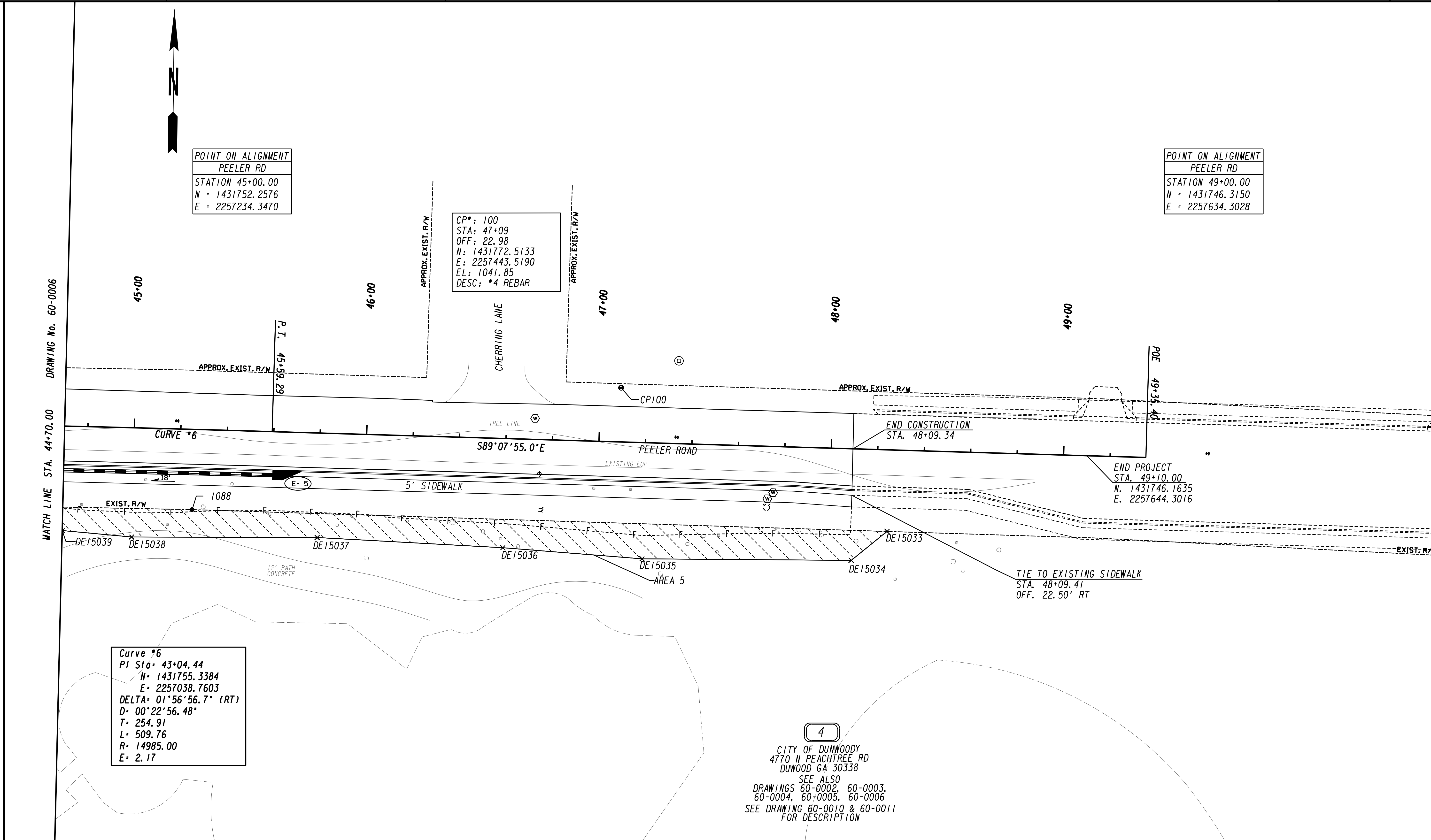
DRAWING No.
60-0006



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTRUCTION OF SLOPES
EASEMENT FOR CONSTRUCTION OF DRIVES

BEGIN LIMIT OF ACCESS............BLA
END LIMIT OF ACCESS.............ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

CALYX ENGINEERS + CONSULTANTS

SCALE IN FEET
0 20 40 80

REVISION DATES

RIGHT OF WAY PLAN
PEELER ROAD SIDEWALK

CHECKED: DATE:
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VERIFIED: DATE:

DRAWING No.
60-0007

PARCEL 2 EASEMENT FOR CONTRUCTION OF DRIVES
JIM E PARSONS

PNT	OFFSET/		STATION/	ALIGNMENT
DE15086	41.19	L	16+67.00	PEELER RD
DE15087	71.00	L	16+78.00	PEELER RD
DE15088	71.00	L	17+08.00	PEELER RD
DE15089	42.44	L	17+19.00	PEELER RD
DE15086	41.19	L	16+67.00	PEELER RD

PARCEL 2 SUMMARY
NUMBER OF DRIVES: 1

PARCEL 3 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 1
GEORGIA-CUMBERLAND ASSOCIATION OF SEVENTH-DAY ADVENTISTS, INC.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
2501	29.13 R	17+21.78	PEELER RD
ARC LENGTH = 113.70			
CHORD BEAR = N 80°06'17.1" E			
LNTH CHORD = 113.69			
RADIUS = 3041.59			
DEGREE = 1°53'01.5"			
DE15011	30.73 R	18+37.00	PEELER RD
	11.27	S 9°14'06.7" E	
DE15010	42.00 R	18+37.00	PEELER RD
	34.50	S 85°18'27.0" W	
DE15009	39.00 R	18+02.00	PEELER RD
	81.02	S 79°31'51.9" W	
DE15008	38.00 R	17+19.57	PEELER RD
	9.13	N 1°34'13.3" E	
2501	29.13 R	17+21.78	PEELER RD
REQD EASMT = 1058.50 SF			
REQD EASMT = 0.024 ACRES			

PARCEL 3 EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE STRUCTURES
GEORGIA-CUMBERLAND ASSOCIATION OF SEVENTH-DAY ADVENTISTS, INC.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15011	30.73 R	18+37.00	PEELER RD
ARC LENGTH = 82.12			
CHORD BEAR = N 81°56'56.8" E			
LNTH CHORD = 82.12			
RADIUS = 3041.59			
DEGREE = 1°53'01.5"			
DE15015	30.99 R	19+20.00	PEELER RD
	21.01	S 7°36'29.0" E	
DE15012	52.00 R	19+20.00	PEELER RD
	82.30	S 88°44'47.8" W	
DE15010	42.00 R	18+37.00	PEELER RD
	11.27	N 9°14'06.7" W	
DE15011	30.73 R	18+37.00	PEELER RD
REQD EASMT = 1336.97 SF			
REQD EASMT = 0.031 ACRES			

PARCEL 3 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 2
GEORGIA-CUMBERLAND ASSOCIATION OF SEVENTH-DAY ADVENTISTS, INC.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15015	30.99 R	19+20.00	PEELER RD
ARC LENGTH = 107.18			
CHORD BEAR = N 83°43'42.6" E			
LNTH CHORD = 107.17			
RADIUS = 3041.60			
DEGREE = 1°53'01.5"			
2199	31.43 R	20+28.72	PEELER RD
	17.61	S 1°02'52.2" E	
DE15014	49.00 R	20+27.53	PEELER RD
	45.25	S 81°52'04.8" W	
DE15013	51.00 R	19+81.00	PEELER RD
	59.89	S 81°49'13.7" W	
DE15012	52.00 R	19+20.00	PEELER RD
	21.01	N 7°36'29.0" W	
DE15015	30.99 R	19+20.00	PEELER RD
REQD EASMT = 2076.79 SF			
REQD EASMT = 0.048 ACRES			

PARCEL 3 SUMMARY
DRAINAGE EASEMENT: 0.031 ACRES
SLOPE EASEMENT: 0.072 ACRES
TOTAL PARCEL AREA: 2.570 ACRES

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1/17/2020

RIGHT OF WAY TABLES
PEELER ROAD SIDEWALK

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DRAWING No.
60-0008

PARCEL 7 EASEMENT FOR THE CONSTRUCTION OF DRIVES AREA 1
SUSAN MENICH

PNT	OFFSET/		STATION/	ALIGNMENT
DE15023	39.00	R	25+95.23	PEELER RD
2035	31.79	R	25+96.01	PEELER RD
DE15093	30.81	R	26+29.17	PEELER RD
DE15026	39.38	R	26+29.17	PEELER RD
DE15027	51.00	R	26+26.00	PEELER RD
DE15028	52.00	R	26+01.00	PEELER RD
DE15023	39.00	R	25+95.23	PEELER RD

PARCEL 7 EASEMENT FOR THE CONSTRUCTION OF DRIVES AREA 2
SUSAN MENICH

PNT	OFFSET/		STATION/	ALIGNMENT
DE15100	41.40	R	26+79.72	PEELER RD
DE15099	30.75	R	26+79.72	PEELER RD
DE15098	31.80	R	27+17.00	PEELER RD
DE15030	44.00	R	27+17.00	PEELER RD
DE15031	60.00	R	27+10.00	PEELER RD
DE15032	57.00	R	26+87.00	PEELER RD
DE15100	41.40	R	26+79.72	PEELER RD

PARCEL 7 SUMMARY
NUMBER OF DRIVES: 2

CALYX ENGINEERS + CONSULTANTS

REVISION DATES
1/17/2020

RIGHT OF WAY TABLES
PEELER ROAD SIDEWALK

CHECKED: DATE:
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DRAWING No.
60-0009

PARCEL 4 EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE STRUCTURES AREA 1
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15074	37.79 R	35+22.00	PEELER RD
	17.37	N 84°30'22.7" E	
DE15075	36.91 R	35+40.00	PEELER RD
	6.09	S 2°05'48.1" E	
DE15076	43.00 R	35+40.00	PEELER RD
	18.30	S 81°06'13.9" W	
DE15077	45.00 R	35+21.00	PEELER RD
	7.27	N 4°27'49.5" E	
DE15074	37.79 R	35+22.00	PEELER RD

REQD EASMT = 117.55 SF
REQD EASMT = 0.003 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE STRUCTURES AREA 2
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15082	32.39 R	39+27.00	PEELER RD
	32.00	N 89°13'06.0" E	
DE15083	32.56 R	39+59.00	PEELER RD
	21.44	S 1°04'51.8" E	
DE15084	54.00 R	39+59.00	PEELER RD
	21.10	S 83°28'43.0" W	
DE15046	56.00 R	39+38.00	PEELER RD
	14.21	N 51°47'29.9" W	
DE15085	47.00 R	39+27.00	PEELER RD
	14.61	N 1°04'51.8" W	
DE15082	32.39 R	39+27.00	PEELER RD

REQD EASMT = 682.29 SF
REQD EASMT = 0.016 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 1
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
2199	31.43 R	20+28.72	PEELER RD
	364.23	N 86°52'01.1" E	
2025	33.08 R	23+93.81	PEELER RD
	0.92	S 0°22'15.7" E	
DE15092	34.00 R	23+93.76	PEELER RD
	18.73	S 86°44'43.4" W	
DE15024	34.00 R	23+75.00	PEELER RD
	45.04	S 84°09'01.7" W	
DE15091	36.00 R	23+30.00	PEELER RD
	45.04	S 84°09'01.7" W	
DE15022	38.00 R	22+85.00	PEELER RD
	25.00	S 86°41'43.0" W	
DE15021	38.00 R	22+60.00	PEELER RD
	40.01	S 85°15'47.4" W	
DE15020	39.00 R	22+20.00	PEELER RD
	50.00	S 86°41'43.0" W	
DE15019	39.00 R	21+70.00	PEELER RD
	50.00	S 86°41'43.0" W	
DE15018	39.00 R	21+20.00	PEELER RD
	45.71	S 89°12'11.3" W	
DE15017	37.00 R	20+74.34	PEELER RD
	45.02	S 85°56'32.6" W	
DE15016	37.00 R	20+28.35	PEELER RD
	5.59	N 1°02'52.2" W	
2199	31.43 R	20+28.72	PEELER RD

REQD EASMT = 1817.19 SF
REQD EASMT = 0.042 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 2
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
1957	34.64 R	27+65.78	PEELER RD
	415.45	N 75°14'19.2" E	
6037	32.02 R	31+80.54	PEELER RD
ARC LENGTH = 333.98			
CHORD BEAR = N 79°54'14.5" E			
LNTH CHORD = 333.65			
RADIUS = 2187.04			
DEGREE = 2°37'11.2"			
DE15074	37.79 R	35+22.00	PEELER RD
	7.27	S 4°27'49.5" W	
DE15077	45.00 R	35+21.00	PEELER RD
	26.79	S 83°56'14.1" W	
DE15059	46.00 R	34+93.00	PEELER RD
	127.07	S 82°04'12.4" W	
DE15060	45.00 R	33+60.00	PEELER RD
	38.43	S 81°18'27.7" W	
DE15061	42.00 R	33+20.00	PEELER RD
	40.68	S 64°13'36.8" W	
DE15062	50.00 R	32+80.00	PEELER RD
	120.42	S 80°19'39.4" W	
DE15063	40.00 R	31+60.00	PEELER RD
	44.05	S 72°57'41.0" W	
DE15064	42.00 R	31+16.00	PEELER RD
	76.05	S 73°18'04.0" W	
DE15065	45.00 R	30+40.00	PEELER RD
	59.01	S 76°31'35.8" W	
DE15066	44.00 R	29+81.00	PEELER RD
	60.30	S 69°50'41.9" W	
DE15067	50.00 R	29+21.00	PEELER RD
	60.13	S 71°44'29.4" W	
DE15068	54.00 R	28+61.00	PEELER RD
	41.05	S 72°45'46.4" W	
DE15069	56.00 R	28+20.00	PEELER RD
	10.00	S 75°33'20.1" W	
DE15070	56.00 R	28+10.00	PEELER RD
	11.00	S 75°33'20.1" W	
DE15071	56.00 R	27+99.00	PEELER RD
	38.78	S 86°32'52.9" W	
DE15025	49.00 R	27+62.03	PEELER RD
	14.86	N 1°47'42.4" E	
1957	34.64 R	27+65.78	PEELER RD

REQD EASMT = 9108.04 SF
REQD EASMT = 0.209 ACRES

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REVISION DATES
1/17/2020

RIGHT OF WAY TABLES
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60-0010

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 3
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15075	36.91 R	35+40.00	PEELER RD
ARC LENGTH = 146.49			
CHORD BEAR = N 86°39'09.7" E			
LNTH CHORD = 146.46			
RADIUS = 2187.04			
DEGREE = 2°37'11.2"			
DE15078	31.28 R	36+87.00	PEELER RD
	31.63	S 61°10'57.5" W	
DE15055	46.00 R	36+59.00	PEELER RD
	21.02	S 86°11'33.5" W	
DE15056	47.00 R	36+38.00	PEELER RD
	11.66	N 60°07'02.2" W	
DE15057	41.00 R	36+28.00	PEELER RD
	69.00	S 88°55'08.2" W	
DE15058	41.00 R	35+59.00	PEELER RD
	18.36	S 82°10'37.5" W	
DE15076	43.00 R	35+40.00	PEELER RD
	6.09	N 2°05'48.1" W	
DE15075	36.91 R	35+40.00	PEELER RD

REQD EASMT = 1217.81 SF
REQD EASMT = 0.028 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 4
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15090	31.48 R	37+53.00	PEELER RD
	174.00	N 89°13'06.0" E	
DE15082	32.39 R	39+27.00	PEELER RD
	14.61	S 1°04'51.8" E	
DE15085	47.00 R	39+27.00	PEELER RD
	8.60	N 55°32'36.1" W	
DE15047	42.00 R	39+20.00	PEELER RD
	19.10	S 82°54'35.8" W	
DE15048	44.00 R	39+01.00	PEELER RD
	61.00	S 88°55'08.2" W	
DE15049	44.00 R	38+40.00	PEELER RD
	12.04	S 40°33'09.0" W	
DE15050	53.00 R	38+32.00	PEELER RD
	26.31	N 82°20'05.6" W	
DE15051	49.00 R	38+06.00	PEELER RD
	10.00	N 37°57'03.4" W	
DE15052	41.00 R	38+00.00	PEELER RD
	34.01	S 87°14'03.4" W	
DE15053	42.00 R	37+66.00	PEELER RD
	16.72	N 52°06'25.3" W	
DE15090	31.48 R	37+53.00	PEELER RD

REQD EASMT = 2128.07 SF
REQD EASMT = 0.049 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF SLOPES AREA 5
CITY OF DUNWOODY

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE15083	32.56 R	39+59.00	PEELER RD
	214.48	N 89°13'06.0" E	
6040	33.17 R	41+73.75	PEELER RD
	351.25	S 89°42'26.5" E	
1088	34.55 R	45+25.80	PEELER RD
	299.12	S 89°01'57.5" E	
DE15033	35.11 R	48+25.00	PEELER RD
	19.78	S 50°11'02.4" W	
DE15034	48.00 R	48+10.00	PEELER RD
	90.02	S 89°35'42.6" W	
DE15035	50.00 R	47+20.00	PEELER RD
	60.07	N 86°16'11.2" W	
DE15036	47.00 R	46+60.00	PEELER RD
	80.02	N 87°41'59.5" W	
DE15037	45.00 R	45+80.00	PEELER RD
	79.84	S 89°20'55.4" W	
DE15038	47.00 R	45+00.00	PEELER RD
	29.97	N 85°35'24.8" W	
DE15039	45.00 R	44+70.00	PEELER RD
	59.90	N 86°43'02.5" W	
DE15040	42.00 R	44+10.00	PEELER RD
	129.71	N 88°11'03.2" W	
DE15041	38.00 R	42+80.00	PEELER RD
	127.72	S 87°45'38.7" W	
DE15042	42.00 R	41+52.00	PEELER RD
	32.66	S 76°52'26.6" W	
DE15043	49.00 R	41+20.00	PEELER RD
	22.41	N 69°56'23.7" W	
DE15044	41.00 R	40+99.00	PEELER RD
	119.28	S 84°08'56.4" W	
DE15045	51.00 R	39+80.00	PEELER RD
	21.21	S 80°47'19.9" W	
DE15084	54.00 R	39+59.00	PEELER RD
	21.44	N 1°04'51.8" W	
DE15083	32.56 R	39+59.00	PEELER RD

REQD EASMT = 8932.68 SF
REQD EASMT = 0.205 ACRES

PARCEL 4 EASEMENT FOR THE CONSTRUCTION OF DRIVES
CITY OF DUNWOODY

PNT	OFFSET/	STATION/	ALIGNMENT
DE15065	45.00 R	30+40.00	PEELER RD
DE15064	42.00 R	31+16.00	PEELER RD
DE15072	52.00 R	30+91.00	PEELER RD
DE15073	52.00 R	30+65.00	PEELER RD
DE15065	45.00 R	30+40.00	PEELER RD

PARCEL 4 SUMMARY
NUMBER OF DRIVES: 1
SLOPE EASEMENT: 0.533 ACRES
DRAINAGE EASEMENT: 0.019 ACRES
TOTAL PARCEL AREA: LARGE TRACT