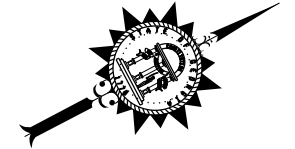
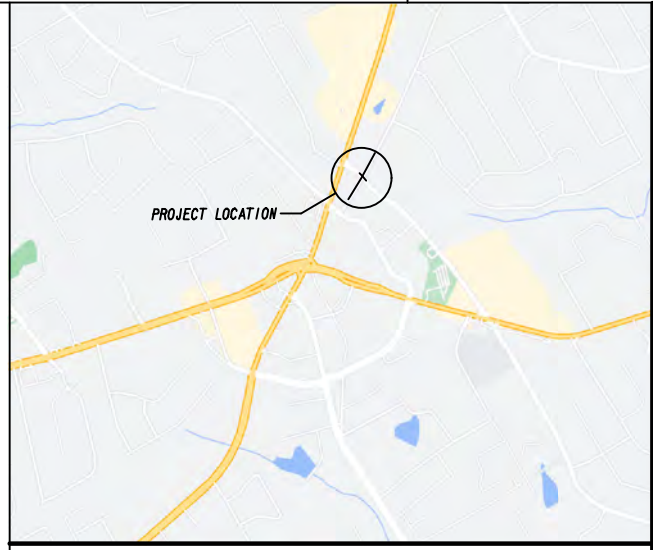


# CITY OF SNELLVILLE

## PLAN AND PROFILE OF PROPOSED NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS



WIDPOINT  
STA. 107+62.50  
N: 1404771.54 FT  
E: 2342031.38 FT



LOCATION SKETCH

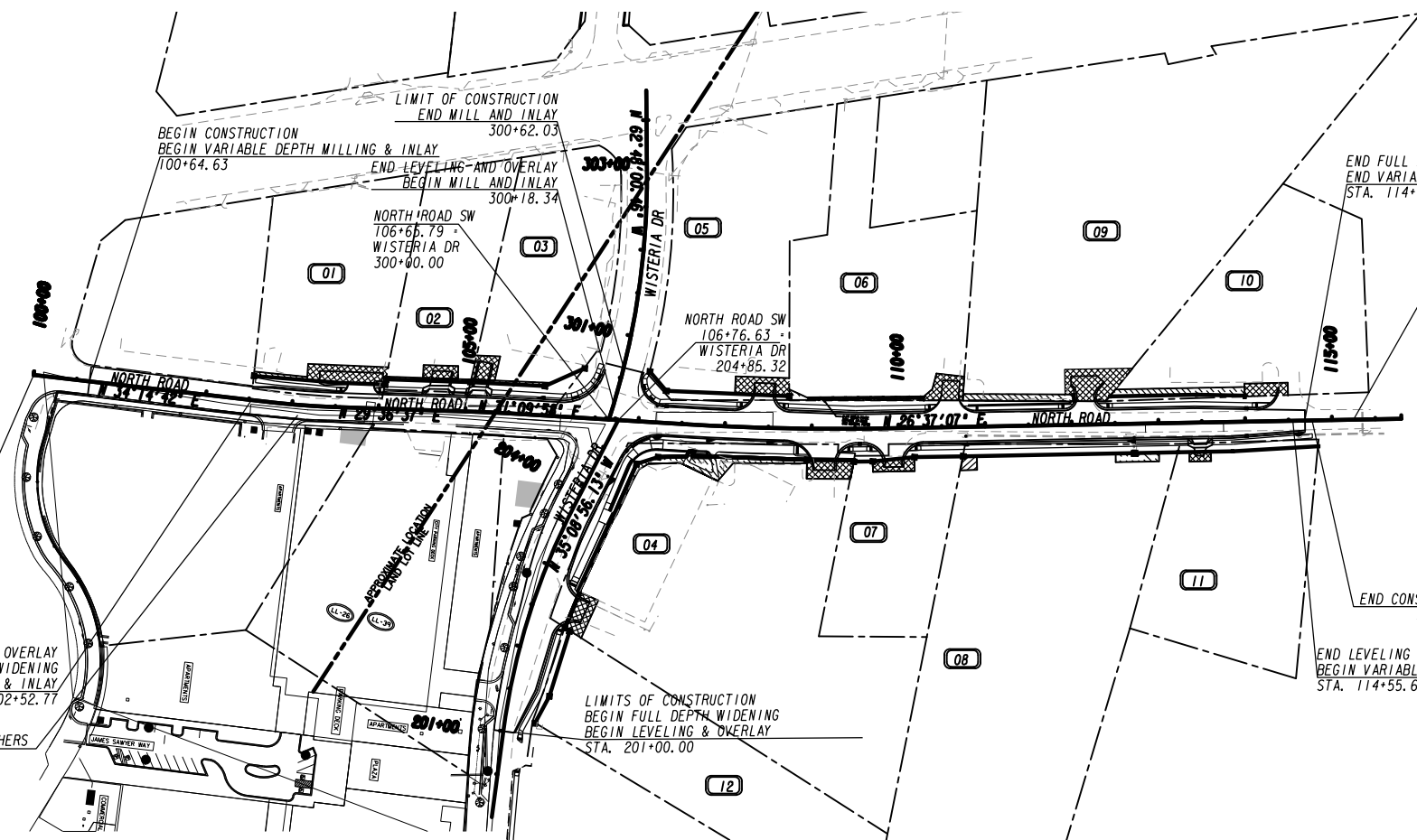
FEDERAL ROUTE: N/A  
STATE ROUTE: N/A

**DESIGN DATA:**  
**NORTH ROAD:**  
TRAFFIC A.D.T.: 13525 (2023)  
TRAFFIC A.D.T.: 18600 (2043)  
24 HR.TRUCKS %: 2.4%  
SPEED DESIGN: 30 MPH  
**WISTERIA DRVE:**  
TRAFFIC A.D.T.: 11950 (2023)  
TRAFFIC A.D.T.: 16400 (2043)  
24 HR.TRUCKS %: 5.5%  
SPEED DESIGN: 30 MPH

**FUNCTIONAL CLASS:**  
NORTH RD: LOCAL  
WISTERIA DR: LOCAL  
  
THIS PROJECT IS 100% IN  
GWINNETT COUNTY AND IS  
100% IN CONG.DIST.NO.7.  
  
PROJECT DESIGNATION: EXEMPT

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.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY  
INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON  
FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE  
SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT  
OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO  
SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.



**NOTE:**  
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS,  
DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION  
WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE  
HIGHWAY DEPARTMENT", "GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY  
DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE  
STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN  
THE DEPARTMENT OF TRANSPORTATION.

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6745 Sugarloaf Parkway, Suite 100  
Duluth, GA 30097  
770.447.8999 - www.chacompanies.com

PLANS PREPARED  
BY:

CONTACT: LEAH G. CASSELL, PE 9/4/2024  
DESIGNER / DATE

APPROVED: \_\_\_\_\_  
CITY OF SNELLVILLE

DATE: \_\_\_\_\_

LENGTH OF PROJECT	
	MILES
NET LENGTH OF ROADWAY	0.3265
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.3265
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.3265



PLANS COMPLETED	09-04-2024
REVISIONS	
9/30/2024	

DRAWING No.  
01-0001





### GENERAL NOTES

1. AN N.O.I (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE PROJECT HAS A TOTAL AREA OF 3.14 ACRES AND THE EXPECTED DISTURBED AREA IS 1.21 ACRES. THE TOTAL AREA IS THE AREA OF RIGHT-OF-WAY AND EASEMENTS, AND THE DISTURBED AREA IS THE CLEARING AND GRUBBING AREA.
2. PROJECT IS LOCALLY LET AND LOCALLY FUNDED.
3. ALL WORK TO BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF ROADS AND BRIDGES 2021 EDITION AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
4. METHOD OF UTILITY LOCATION WAS SUE QL/B.
5. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.
6. UTILITY WORK COORDINATION WILL BE REQUIRED AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 "COOPERATION WITH UTILITIES". MORE INFORMATION CAN BE FOUND AT THE GAUPC.COM WEBSITE. THE 811 LOGO SHOULD ALSO BE SHOWN.
7. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:
 

UTILITY OWNER	SERVICE
SOUTHERN GAS COMPANY	GAS
WALTON EMC	POWER
WINNETT COUNTY DWR	WATER & SEWER
COMCAST	TELECOM
AT&T	TELECOM
8. ANY ADJUSTMENTS OR RELOCATION OF WINNETT COUNTY DEPARTMENT OF PUBLIC UTILITIES FACILITIES SHALL BE IN ACCORDANCE WITH THE DEPARTMENT'S "WATER MAIN AND SANITARY SEWER DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS" WHICH ARE AVAILABLE AT THE DEPARTMENTS OFFICE AT 684 WINDER HIGHWAY, LAWRENCEVILLE, GA, TELEPHONE: 678-376-7151
9. CHEMICAL AND BACTERIOLOGICAL TESTING, AS REQUIRED IN SEC. 33 11 13.05 OF THE WATER SPECIFICATIONS, REQUIRES TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HOURS APART.
10. UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE INSPECTOR, ALL WATER LINES SHALL HAVE A MINIMUM OF 48 INCHES OF COVER.
11. CLEARING AND GRUBBING SHALL BE BID AS GRADING COMPLETE - LS. ANY QUANTITIES FOR CLEARING AND GRUBBING SHOWN IN PLANS ARE FOR INFORMATION ONLY AND THE CITY OF SNELLVILLE ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL ACRES TO BE CLEARED AND GRUBBED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE ACRES SHOWN ON THE PLANS. COSTS FOR ITEMS TO BE REMOVED OR DEMOLISHED WHICH DO NOT HAVE A SEPARATE PAY ITEM SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.
12. ALL EXISTING PIPE SHALL BE RETAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. COSTS FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
13. ALL DRAINAGE SYSTEMS (EXISTING AND PROPOSED) ARE TO BE TOTALLY CLEANED OUT AFTER TOP LEVEL PAVEMENT IS PLACED THROUGHOUT THE PROJECT. THE WORK SHALL BE DONE PRIOR TO THE STOPPAGE OF TIME AS NOTED UNDER GA. SPECIFICATION 105.16. PAYMENT FOR THIS WORK SHALL BE COVERED UNDER THE OVERALL BID PRICE FOR GRADING COMPLETE.
14. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED, SUFFICIENT TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.
15. ALL TEMPORARY SHORING SHALL BE CONSIDERED INCIDENTAL TO GRADING COMPLETE AND WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE NEED FOR TEMPORARY SHORING. WHEN SHORING IS SHOWN IN THE PLANS, IT IS FOR INFORMATION ONLY.
16. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE STANDARD SPECIFICATIONS.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
18. HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.
19. 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.
20. AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWS ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. COSTS FOR SAWS JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEMS, EXCEPT WHEN SAWING PCC CONCRETE PAVEMENT.



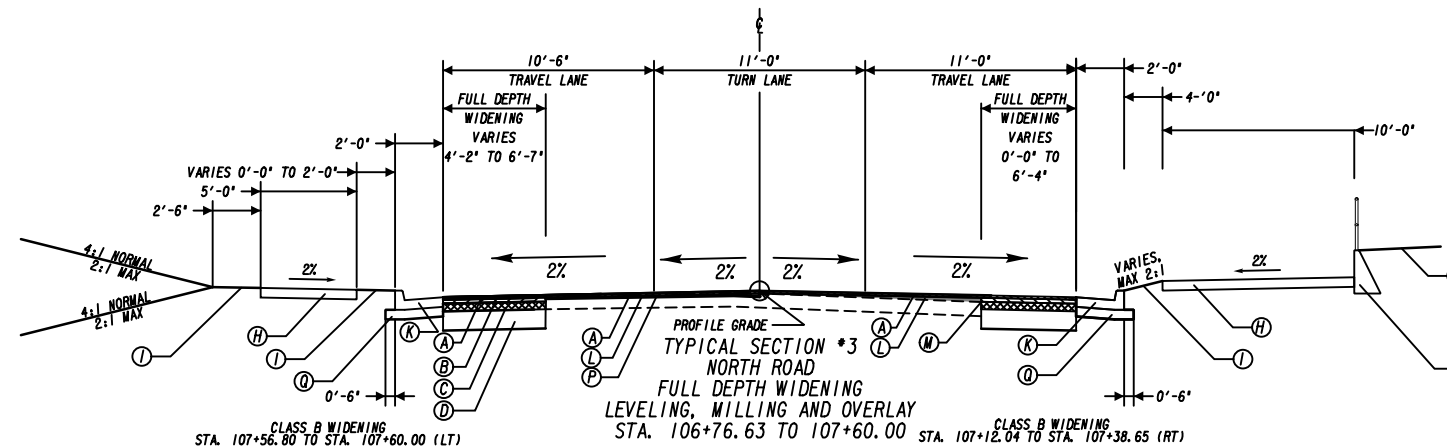
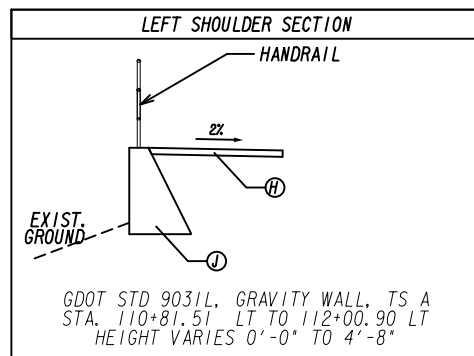
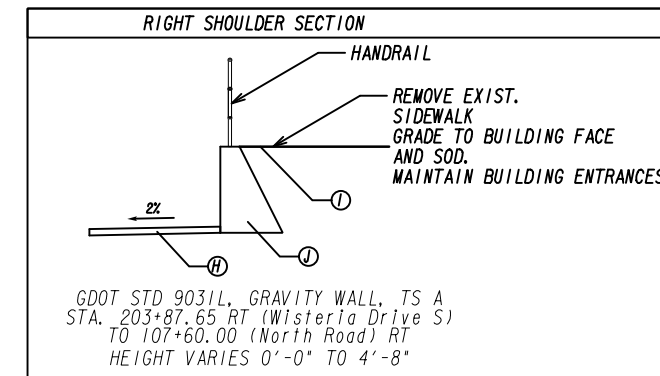
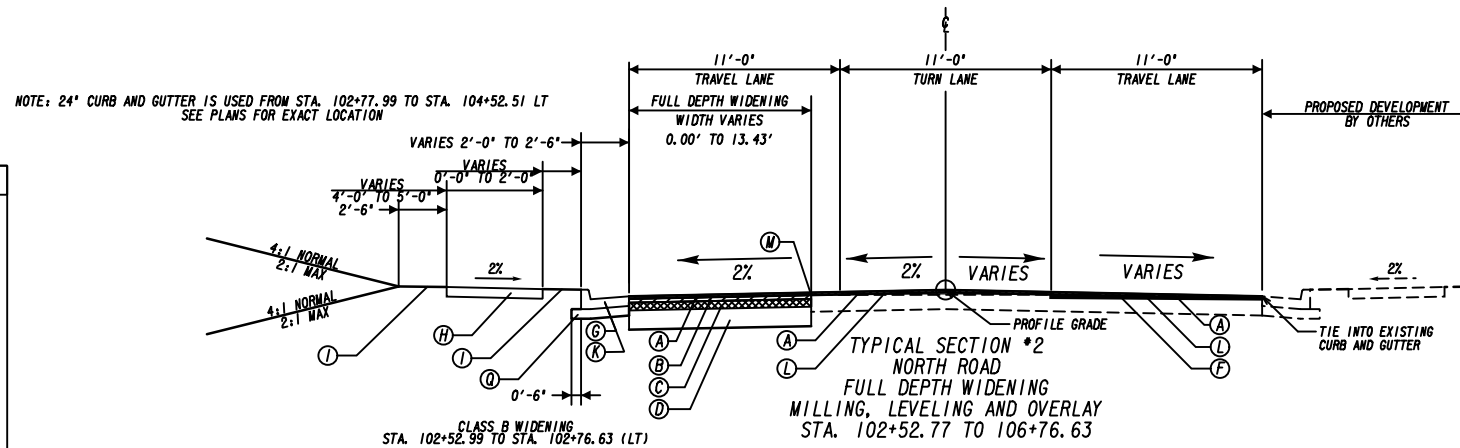
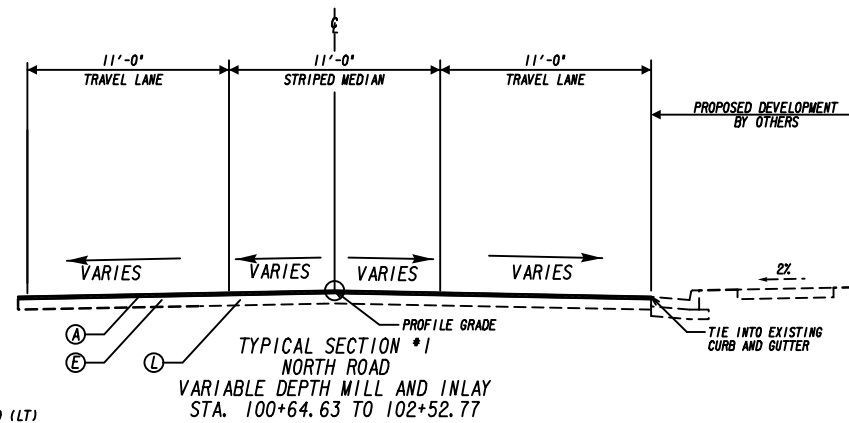
21. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED, IN KIND, I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS LOCATION, WIDTH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. ASPHALTIC AND UNPAVED DRIVEWAYS SHALL BE PAVED TO THEIR CONSTRUCTION LIMITS. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:
  - ASPHALTIC DRIVES
    - RESIDENTIAL - 1-1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2 ONLY INCL. BITUMINOUS MATERIAL & H. LIME  
6" GRADED AGGREGATE BASE
    - COMMERCIAL - 1-1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2 ONLY INCL. BITUMINOUS MATERIAL & H. LIME  
2" ASPHALTIC CONCRETE "B" (19 MM)  
8" GRADED AGGREGATE BASE
  - CONCRETE DRIVES
    - RESIDENTIAL - 6" CONCRETE VALLEY GUTTER  
6" CONCRETE DRIVEWAY
    - COMMERCIAL - 8" CONCRETE VALLEY GUTTER  
8" CONCRETE DRIVEWAY.
22. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
23. ALL ADA RAMPS AND SIDEWALKS WITHIN THE RADIUS ARE TO BE CONSTRUCTED WITH 8" CONCRETE. THE COST FOR ADA RAMPS, INCL DETECTBLE WARNING STRIPS, SHALL BE INCLUDED IN THE PRICE BID FOR 8" CONCRETE SIDEWALK.
24. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
25. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER.
26. STAGED CONSTRUCTION MAY BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. THE CONTRACTOR'S STAGING PLAN MUST BE APPROVED BY THE CITY OF SNELLVILLE ENGINEER PRIOR TO CONSTRUCTION.
27. HANDICAP RAMPS SHALL BE CONSTRUCTED AT ALL POINTS WHERE SIDEWALK TERMINATES AT CURB OR IS BIASECTED BY DRIVEWAYS. IF NECESSARY, THE EXACT TYPE OF RAMP (TERMINAL OR ON CURB RADIUS) MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.
28. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE 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.
29. THE CONTRACTOR WILL BE RESPONSIBLE FOR PRE-MARKING ALL SIGNING, STRIPING, GUARDRAIL AND HANDICAP RAMPS. AFTER PRE-MARKING IS COMPLETE AND 72 HRS. IN ADVANCE OF INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CITY OF SNELLVILLE'S OPERATIONS AND MAINTENANCE DIVISION FOR APPROVAL. THIS SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
30. GRASS SOD SHALL BE USED FOR ALL AREAS REQUIRING GRASS. GRASS SHOWN BETWEEN THE BACK OF CURB AND SIDEWALK SHALL BE BERMUDA GRASS SOD. GRASS BEHIND THE SHOULDER IN THE PROJECT LIMITS WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN, I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA, ETC. THE TOTAL COST OF THIS REQUIREMENT SHALL BE INCLUDED IN THE BID ITEM COST FOR 700-0200 GRASSING COMPLETE - LS.
31. ALL HANDRAIL ON RETAINING WALLS SHALL BE CONSTRUCTED ACCORDING TO GDOT STD. 9031R, BUT SHALL BE 42 INCHES IN HEIGHT WITH SMOOTH BLACK FINISH. COST OF ADDITIONAL HEIGHT AND FINISH WILL BE INCLUDED IN THE BID FOR 515-2020 GALV. STEEL PIPE HANDRAIL, 2 IN. ROUND
32. WOOD FENCING ON PRIVATE PROPERTY BETWEEN APP. STA. 108+95 AND 110+35 WILL BE REMOVED AND REPLACED 2-FT INTO PROPERTY WITH TEMPORARY 6-FT CHAIN LINK FENCING WITH 100% OPAQUE BLACK MESH ATTACHED IN A MANNER AS TO NOT DISTURB ACTIVITIES OF THE BUSINESS. WHEN CONSTRUCTION IS COMPLETE, THE PERMANENT FENCE WILL BE REPLACED IN KIND TO MATCH EXISTING AND STAINED TO MATCH. (PRESUMED TO BE 8-FT CEDAR WITH DOG EAR PICKETS AND 6-FT POSTS AND 2x4 RAIL.)
33. INTERNALLY ILLUMINATED STREET NAME SIGNS LOCATED ON EXISTING TRAFFIC SIGNAL MAST ARMS ARE TO BE RETAINED AND REMOUNTED ON MAST ARMS THAT ARE REPLACED AS PART OF THIS PROJECT. THE COST OF THIS REMOUNTING IS INCIDENTAL TO 647-1000 TRAFFIC SIGNAL INSTALLATION - LS. NO SEPARATE PAYMENT WILL BE MADE. DETAILS SHOWN IN THE 27-SERIES RELATED TO STREET NAME SIGNS IS PROVIDED FOR INFORMATION ONLY.
34. SPECIAL PROVISIONS 107, 108, 150, 161, AND 163 ARE INCLUDED IN THE INVITATION TO BID PACKAGE.
35. REFER TO EXHIBIT B OF THE INVITATION TO BID PACKAGE FOR PROJECT SPECIAL CONDITIONS.
36. REFER TO EXHIBIT N OF THE INVITATION TO BID PACKAGE FOR LANDSCAPE SPECIAL CONDITIONS.
37. LANDSCAPING - LS TO INCLUDE ONE-YEAR WARRANTY ON ALL INSTALLED LANDSCAPING. LANDSCAPING WARRANTY SHALL COMMENCE UPTON CITY APPROVAL OF THE PROJECT PUNCH LIST.



REVISION DATES	

GENERAL NOTES			
NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	04-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



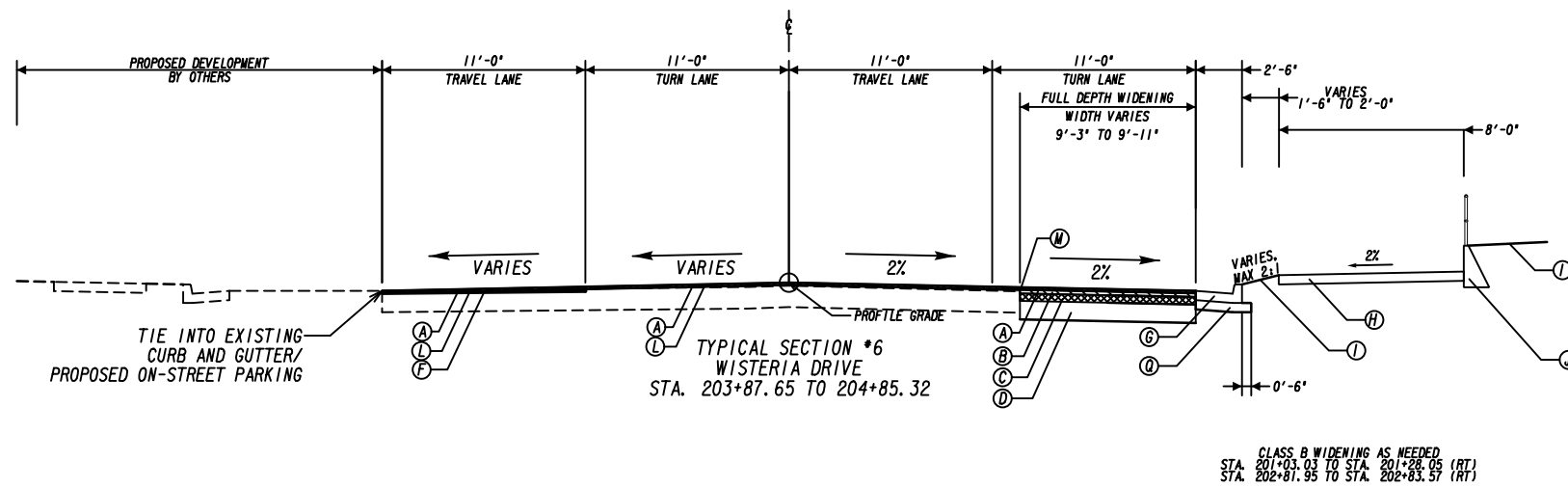
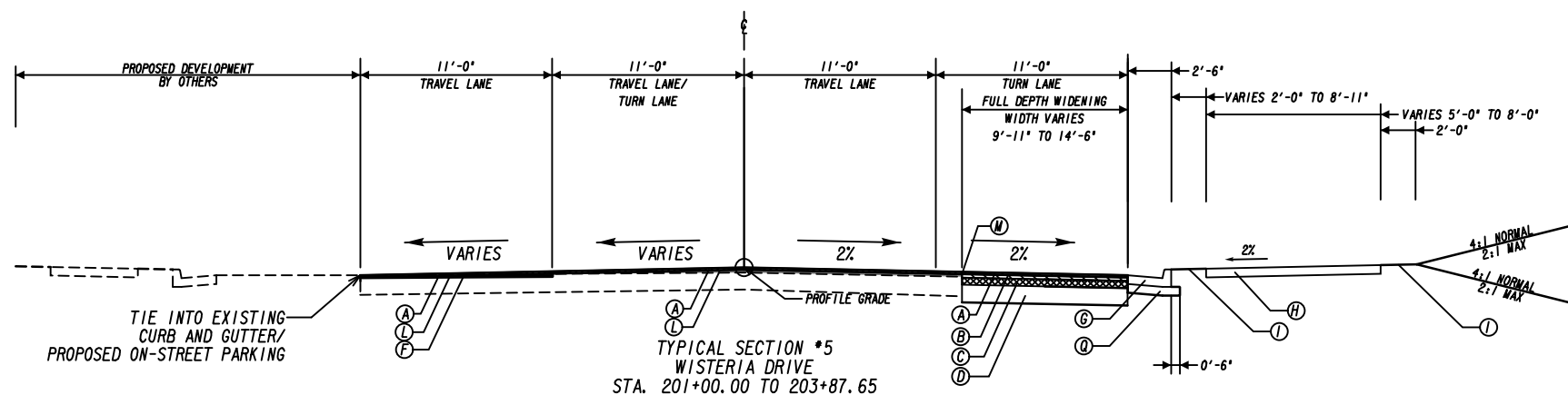
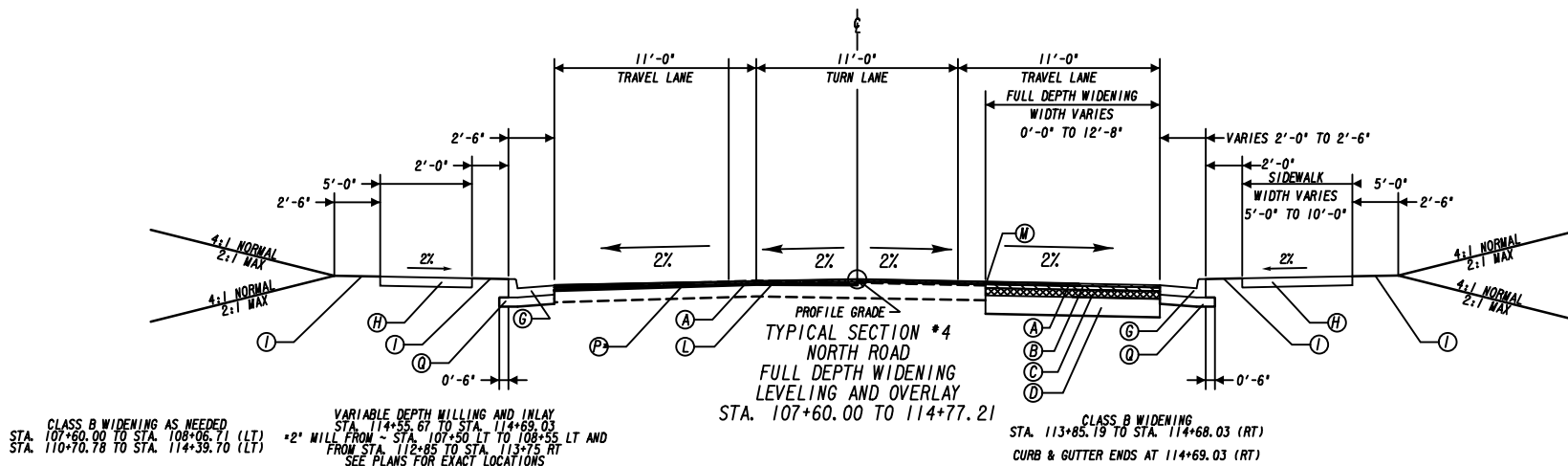


- REQUIRED ITEMS
- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
  - (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
  - (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
  - (D) 10" GRADED AGGR BASE, INCL MATL
  - (E) MILL ASPH CONC PVMT, VARIABLE DEPTH
  - (F) MILL ASPH CONC PVMT, 1.5 IN DEPTH
  - (G) CONC CURB AND GUTTER, 8" X 30", TP 2, GDOT STD 9032B
  - (H) CONC SIDEWALK, 4"
  - (I) SOD
  - (J) GRAVITY WALL, GDOT CONST. STD. 9031L, TS A
  - (K) CONC CURB AND GUTTER, 8" X 24", TP 2, GDOT STD 9032B
  - (L) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
  - (M) PVMT REINF FABRIC STRIPS, TP2, 18 INCH WIDTH
  - (N) CONC HEADER CURB, 6" X 6", TP 2, GDOT STD 9032B
  - (O) MILL ASPH CONC PVMT, 2" DEPTH
  - (P) 6" GRADED AGGR BASE, INCL MATL



REVISION DATES	
09/30/24	

TYPICAL SECTIONS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS		
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BACKCHECKED:	DATE:	05-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



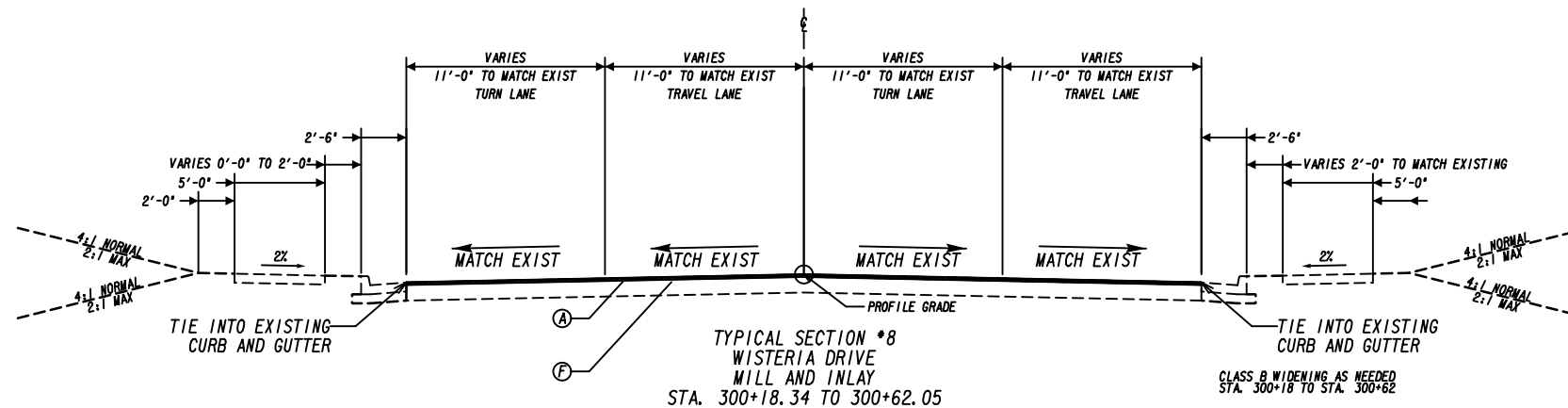
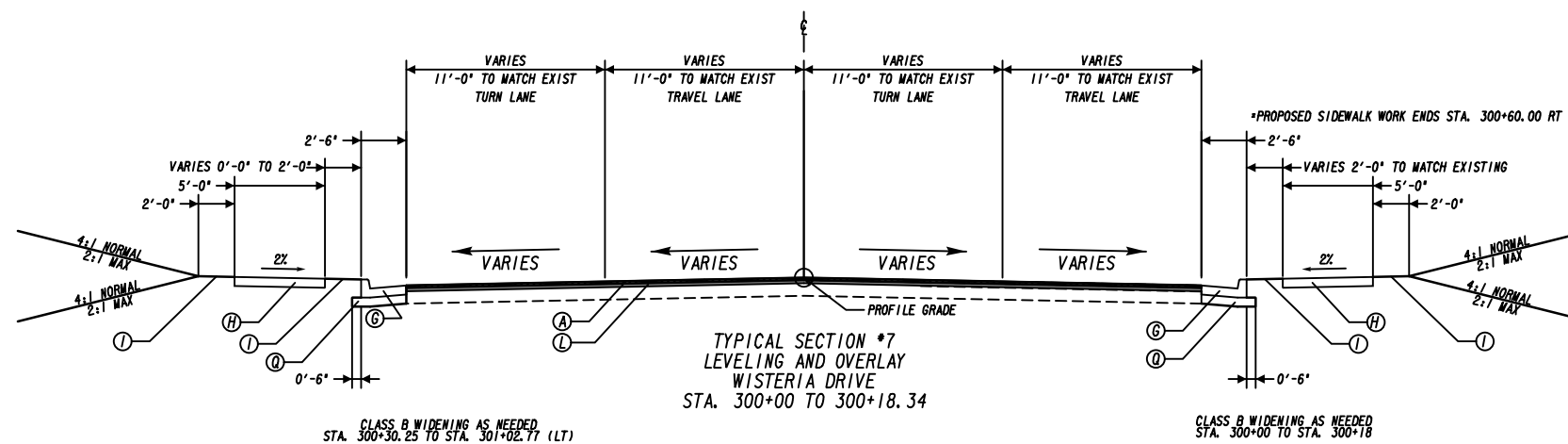
NOTE: STAMPED CONCRETE S/W OF 2' WIDTH TO BE INCLUDED ADJACENT TO GRAVITY WALL FROM STA. 203+87.65 TO 204+82.16 SEE PLANS FOR EXACT LOCATION

- REQUIRED ITEMS**
- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
  - (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
  - (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY)
  - (D) 10" GRADED AGGR BASE, INCL MATL
  - (E) MILL ASPH CONC PVMT, VARIABLE DEPTH
  - (F) MILL ASPH CONC PVMT, 1.5 IN DEPTH
  - (G) CONC CURB AND GUTTER, 8" X 30", TP 2, GDOT STD 9032B
  - (H) CONC SIDEWALK, 4'
  - (I) SOD
  - (J) GRAVITY WALL, GDOT CONST. STD. 9031L, TS A
  - (K) CONC CURB AND GUTTER, 8" X 24", TP 2, GDOT STD 9032B
  - (L) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
  - (M) PVMT REINF FABRIC STRIPS, TP2, 18 INCH WIDTH
  - (N) CONC HEADER CURB, 6" X 6", TP 2, GDOT STD 9032B
  - (P) MILL ASPH CONC PVMT, 2" DEPTH
  - (Q) 6" GRADED AGGR BASE, INCL MATL

REVISION DATES	

TYPICAL SECTIONS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	





REQUIRED ITEMS

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
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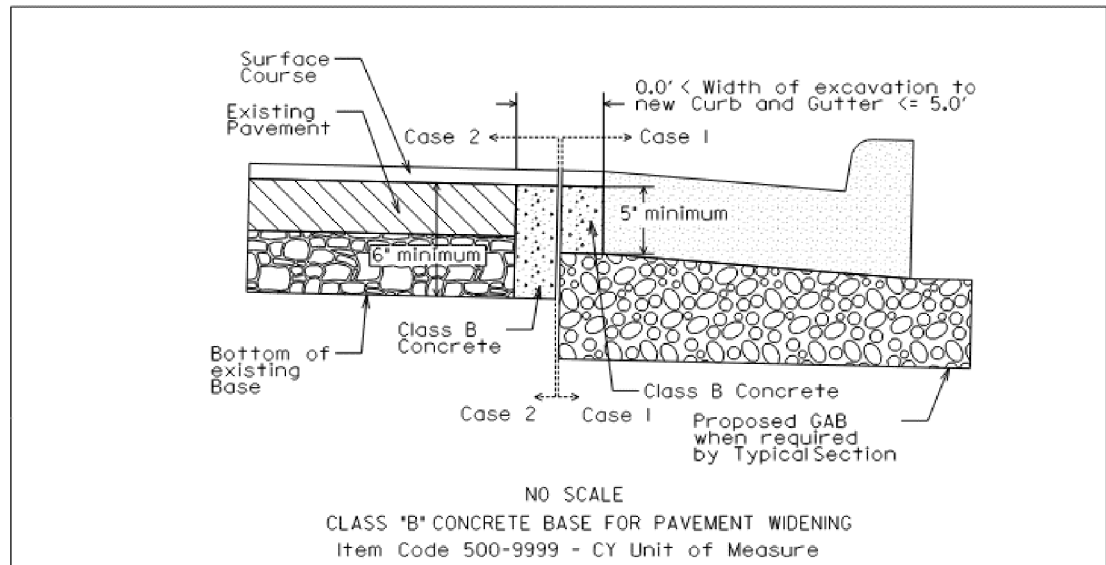


REVISION DATES

NO.	DATE	DESCRIPTION

TYPICAL SECTIONS  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

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BACKCHECKED:	DATE:	05-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

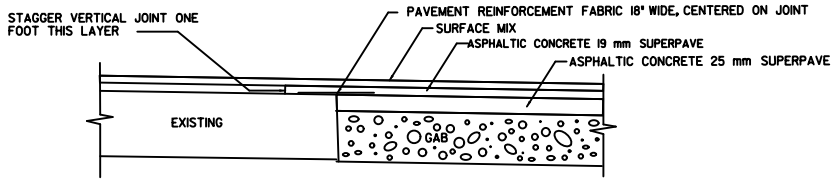


**Case 1:**  
 Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

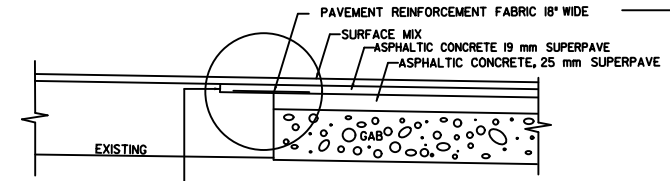
**Case 2:**  
 Where GAB is not required under the new Curb and Gutter and/or the depth of proposed paving between the top of the Base and the bottom of the surface course is less than 5 inches, Class B concrete shall be placed beneath the proposed surface course to the depth of either the bottom of the existing base course, the bottom of the Base specified by the typical section, or to a depth of 6 inches; whichever is greater.

**CLASS "B" CONCRETE BASE FOR WIDENING DETAIL**

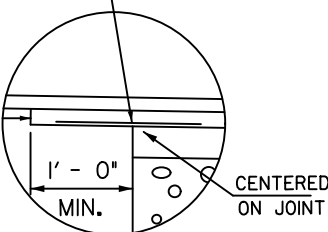
TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE



TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE



MILL EXISTING LANE ONE FOOT WIDE TO DEPTH OF ADJOINING LAYER TO BE PLACED. COST OF MILLING FOR THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCING FABRIC.



**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).**

REVISION DATES	

**TYPICAL SECTIONS  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

# SUMMARY OF QUANTITIES

TRAFFIC CONTROL 150-1000
LUMP SUM

GRADING COMPLETE 210-0100
LUMP SUM

CHANGEABLE PORTABLE MESSAGE SIGN, TYPE 3; 632-0003
TOTAL 4 EA

CONCRETE SIDEWALK 4 IN 441-0104
TOTAL 1243 SY

CONCRETE SIDEWALK 8 IN 441-0108
TOTAL 121 SY

CONC SIDEWALK, 4 IN, STAMPED CONC TILE, RED BRICK PATTERN 441-9999
TOTAL 14 SY

CONC CURB & GUTTER, 8 IN X 24 IN, TP 2 441-6216
TOTAL 548 LF

CONC CURB & GUTTER 8 IN X 30 IN, TP 2 441-6222
TOTAL 1792 LF

CONCRETE HEADER CURB, 6 IN, TP 2 441-5002
TOTAL 226 LF

CLASS B CONC BASE OR PVMT WIDENING 500-9999
TOTAL 31 CY

## ROADWAY SURFACING QUANTITIES

PAY ITEM	ITEMS	UNIT	NORTH RD	WISTERIA DR	DRIVEWAYS	CURB & GUTTER	TOTAL
310-1101	GR AGGR BASE CRS, INCL. MAT'L	TN	413	246		257	916
318-3000	AGGR SURF CRS	TN			677		677
402-1812	RECYCLED ASPH CONC LEVELING, INCL. BITUM MATL & H LIME	TN	138	59			197
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP1 OR 2, INCL BITUM MATL & H LIME	TN	159	95			255
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP2 ONLY, INCL BITUM MATL & H LIME	TN	408	170	56		634
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP1 OR 2, INCL BITUM MATL & H LIME	TN	80	48			128
413-0750	TACK COAT	GAL	383	176			559
432-0206	MILL ASPH CONC PVMT, 1-1/2 IN DEPTH	SY	490	452			942
432-0208	MILL ASPH CONC PVMT, 2 IN DEPTH	SY	448	79			527
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	705				705
441-4020	CONC VALLEY GUTTER, 6 IN	SY			29		29
441-4030	CONC VALLEY GUTTER, 8 IN	SY			343		343
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	1421	421			1842

## DRIVEWAYS

NUMBER	LOCATION	WIDTH	6" VALLEY GUTTER (SF)	8" VALLEY GUTTER (SF)	12.5 MM ASPHALT (TN)	19 MM ASPHALT (TN)	TACK COAT (GAL)
1	103+79 LT	30 FT			1370		
2	104+64 LT	22 FT		344	371		
3	105+11 LT	14 FT		273	422		
4	108+44 LT	23 FT		423	481		
5	109+15 RT	24 FT		740	311		
6	109+94 RT	20 FT		574	228		
7	110+58 LT	19 FT			932		
8	112+18 LT	19 FT			1078		
9	113+50 RT	14 FT	260		112		
10	202+66 RT	22 FT		727	264		

NOTE: FOR INFORMATION ONLY, QUANTITIES WITH ROADWAY ITEMS

## CLASS A CONCRETE 500-3101

TOTAL	0.5 CY
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NOTE: FOR CONSTRUCTION OF STEPS

## WATER UTILITY RELOCATION ITEMS

GCDOT PAY ITEM	ITEMS	UNIT	TOTAL
331213-1LS	WATER SERVICE CONNECTIONS - 3/4"-1" LONG SIDE SERVICE CONNECTIONS	EA	8
331219.81-AVB	ADJUST VALVE BOX	EA	4
331219.81-RFH	RELOCATION AND/OR RECONNECTION OF EXISTING FIRE HYDRANTS	EA	2
331219.81-AFH	ADJUST EXISTING FIRE HYDRANTS	VF	1
331113.05-6D	DUCTILE IRON PIPE - 6" DIAMETER	LF	22

WALL #1 STA. 203+88 TO 107+60			
PAY ITEM	ITEMS	UNIT	TOTAL
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	23
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	LF	132

WALL #2 STA. 110+82 TO 112+01			
PAY ITEM	ITEMS	UNIT	TOTAL
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	23
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	LF	119

999-0000 TEMPORARY FENCE (6-FT METAL CHAIN WITH BLACK MESH/100% OPAQUE)
TOTAL 135 LF

999-0001 PERMANENT FENCING (8-FT RED CEDAR; DOG-EARED PICKETS, 6-FT POSTS AND 2x4 RAIL)
TOTAL 140 LF

999-0002 SPECIAL CONDITIONS - LANDSCAPING
TOTAL LUMP

999-0003 REMOVE AND REINSTALL BRICK PAVERS
TOTAL 18 SY

NOTE: PARCEL 7 (DW 6)

999-0004 OWNERS CONTINGENCY
TOTAL LUMP

## REVISION DATES

09/30/24	

## SUMMARY QUANTITIES NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	





# SUMMARY OF QUANTITIES

STRUCTURE NUMBER	STATION	OFFSET SIDE	ROAD	STORM DRAIN PIPE 18 IN, CLASS III 550-5180 LIN. FT.	CATCH BASINS & DROP INLETS						RECONSTR STORM SEWER MANHOLE 611-3030 EACH	MANHOLE, TP 1 1011A 668-4300 EACH	MANHOLE, TP 1 ADD DEPTH, CL1 668-4311 LF
					GP 1, 1033D 668-1100 EACH	GP 1, 1019B 668-2100 EACH	ADJUST DROP INLET TO GRADE 611-8040 EA	ADJUST CATCH BASIN TO GRADE 611-3000 EACH	GP 1, 9031S 668-2100 EACH	RECONSTR DROP INLET 611-3010 EACH			
B-1	300+34.06	26.90' LT	WISTERIA DR.							1			
B-1.1	105+86.99	19.23' LT	NORTH RD.	60	1								
B-1.2-3	204+20.88	18.17' RT	WISTERIA DR.							1			
B-1.2-4	204+20.32	25.02' RT	WISTERIA DR.	7	1								
B-2	107+21.74	19.75' LT	NORTH RD.	0						1			
B-2.1	107+31.58	20.87' LT	NORTH RD.	11		1							
B-3	107+21.74	20.06' RT	NORTH RD.	0			1						
B-3.1	204+56.76	26.21' RT	WISTERIA DR.	37		1							
B-4	107+82.74	18.92' RT	NORTH RD.	59	1								
B-4.1	107+80.75	33.96' RT	NORTH RD.	15							1	1	
B-5	108+50.13	19.41' RT	NORTH RD.	69	1								
B-6	109+53.80	21.77' RT	NORTH RD.	106		1							
C-1	114+61.45	15.63' RT	NORTH RD.				1						
C-2	114+01.43	18.46' RT	NORTH RD.	61					1				
C-2.1	114+03.73	18.53' LT	NORTH RD.	35									
C-3	112+72.36	17.33' RT	NORTH RD.	130						1			
C-3.1	112+73.20	20.66' RT	NORTH RD.	5									
C-3.2	112+73.20	34.26' RT	NORTH RD.	14				1					
C-4	110+76.19	10.27' RT	NORTH RD.							1			
C-4.1	110+78.74	22.12' RT	NORTH RD.	10	1								
EX-1			ONE WISTERIA DRIVEWAY				1						
TOTALS				619	5	3	1	2	1	2	4	1	



REVISION DATES


**SUMMARY QUANTITIES**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		06-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

# SUMMARY OF QUANTITIES

STANDARD HIGHWAY SIGNS													
STATION	ROAD NAME	INSTL NO.	CODE	SIGNS (TYPE 1 MATL)						POST			RESET HIGHWAY SIGN (611-5360) EA
				TYPE 9 REFLECTIVE SHEETING (636-1033)			TYPE 11 REFLECTIVE SHEETING (636-1036)			TYPE 7 (636-2070)			
				SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	
102+53, LT	NORTH RD	1	OM1-1				18X18	1	2.25				
107+43 RT	NORTH RD	2	R5-2	24X24	1	4				12	1	12	
109+73 LT	NORTH RD	3	W3-3				30X30	1	6.25	13	1	13	
110+40 LT	NORTH RD	4	R1-1				30X30	1	6.25	13	1	13	
111+07 RT	NORTH RD		ADOPT A ROAD										1
112+66 RT	NORTH RD	5	R2-1	24X30	1	5				13	1	13	
114+25 RT	NORTH RD	6	W11-2				30X30	1	6.25	14	1	14	
			W16-9P				24X12	1	2				
<b>TOTAL</b>					<b>2</b>	<b>9</b>		<b>4</b>	<b>23</b>		<b>5</b>	<b>65</b>	<b>1</b>

## ROADWAY MARKING QUANTITIES

PAY ITEM	ITEMS	UNIT	TOTAL
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	18
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	2
653-8026	WET WEATHER THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, WHITE	LF	2952
653-8031	WET WEATHER THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	1961
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	109
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	1032
653-8051	WET WEATHER THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	418
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	581
654-1001	RAISED PVMT MARKERS TP 1	EA	104
654-1003	RAISED PVMT MARKERS TP 3	EA	48



REVISION DATES	
09/30/24	

### SUMMARY QUANTITIES NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

# SUMMARY OF QUANTITIES

TRAFFIC SIGNAL INSTALLATION NO - 1  
NORTH RD AT WISTERIA DR  
647-1000  
LUMP SUM

SIGNAL POLE QUANTITIES			
PAY ITEM	ITEMS	UNIT	QTY
639-3004	30 FT MAST ARM ONLY (MOUNTED ON EXISTING UPRIGHT)	EA	1
639-3004	STEEL STRAIN POLE, TP IV - WITH DUAL 45/60 FT MAST ARM	EA	1

NOTE: SEE 27-SERIES PLANS FOR LOCATIONS.

MICROWAVE VEHICLE DETECTION SYSTEM, NO-1  
NORTH RD AT WISTERIA DR  
937-6000  
TOTAL 4 EA

PULLBOX, TP 4S  
682-2145  
TOTAL 1 EA

COMMUNICATION QUANTITIES				
GDOT PAY ITEM	GCDOT PAY ITEM	ITEMS	UNIT	QTY
926-2104	926-2105	WIRELESS SYSTEM, TYPE 4-CB	EA	1

LIGHTING QUANTITIES				
GDOT PAY ITEM	DESCRIPTION	UNIT	QTY	
680-4200	LIGHTING STD, 0-20 FT MH	EA	33	
680-5245	LUMINAIRE BRACKET ARM, 2 FT	EA	33	
680-6130	LUMINAIRE, TP 3, LED, 75W	EA	33	
680-7010	REMOVAL OF LIGHT; INCL LIGHT POLES & WIRING THAT SUPPLY EXISTING LIGHT FIXTURES	EA	13	
682-1409	CABLE, TP XHHW, AWG NO 1	LF	1200	
682-1413	CABLE, TP XHHW, AWG NO 1/0	LF	8330	
682-1414	CABLE, TP XHHW, AWG NO 3/0	LF	4670	
682-6120	CONDUIT RIGID, 2 IN	LF	400	
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	3650	
682-6255	CONDUIT, NONMETL, TP 3, 3 IN	LF	120	
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	7	
682-9950	DIRECTIONAL BORE - 7 IN	LF	60	
682-9951	DIRECTIONAL BORE - 9 IN	LF	60	

ELECTRICAL SERVICE POINT  
682-2110  
TOTAL 1 EA

## EROSION CONTROL

EROSION CONTROL  
161-1000  
TOTAL LUMP

TEMPORARY GRASSING  
163-0232  
TOTAL 1 AC

MULCH  
163-0240  
TOTAL 17 TN

AGRICULTURAL LIME  
700-7000  
TOTAL 1 TN

FERTILIZER, MIXED GRADE  
700-8000  
TOTAL 2 TN

FERTILIZER, NITROGEN CONTENT  
700-8100  
TOTAL 25 LB

TEMPORARY SILT FENCE, TYPE A  
171-0010  
TOTAL 1100 LF

MAINTENANCE OF TEMPORARY  
SILT FENCE, TYPE A  
165-0010  
TOTAL 550 LF

EROSION CONTROL MATS, SLOPES  
716-2000  
TOTAL 700 SY

CONSTRUCT AND REMOVE  
CONSTRUCTION EXIT  
163-0301  
TOTAL 2 EA

MAINTENANCE OF CONSTRUCTION EXIT  
165-0101  
TOTAL 2 EA

MAINTENANCE OF TIRE WASH STATION  
165-0310  
TOTAL 1 EA

CONSTRUCT, MAINTAIN AND REMOVE  
INLET SEDIMENT TRAP  
163-0551\*  
TOTAL 22 EA

\* GCDOT PAY ITEM

WATER QUALITY MONITORING & SAMPLING  
167-1000  
TOTAL 2 EA

WATER QUALITY INSPECTIONS  
167-1500  
TOTAL 12 MO

GRASSING COMPLETE  
700-0200+  
TOTAL LUMP

\* SEE GENERAL NOTES REGARDING USE OF SOD.

SODDED AREA	
SY	ACRES
2998	0.069

\* AREA OF SODDING PROVIDED FOR INFORMATION ONLY.

REVISION DATES	
09/30/24	

### SUMMARY QUANTITIES NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DETAILED ESTIMATE

ITEM NO.	ITEM	UNIT	QUANTITY
150-1000	TRAFFIC CONTROL	LS	LUMP
210-0100	GRADING COMPLETE	LS	LUMP
310-1101	GR AGGR BASE CRS, INCL MAT'L	TN	916
318-3000	AGGR SURF CRS	TN	677
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LINE	TN	197
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LINE	TN	255
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LINE	TN	634
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LINE	TN	128
413-0750	TACK COAT	GAL	559
432-0206	WILL ASPH CONC PVMT, 1-1/2 IN DEPTH	SY	942
432-0208	WILL ASPH CONC PVMT, 2 IN DEPTH	SY	527
432-5010	WILL ASPH CONC PVMT, VARIABLE DEPTH	SY	705
441-0104	CONCRETE SIDEWALK, 4 IN	SY	1243
441-0108	CONCRETE SIDEWALK, 8 IN	SY	121
441-4020	CONC VALLEY GUTTER, 6 IN	SY	29
441-4030	CONC VALLEY GUTTER, 8 IN	SY	343
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	226
441-6216	CONC CURB & GUTTER, 8 IN x 24 IN, TP 2	LF	548
441-6222	CONC CURB & GUTTER, 8 IN x 30 IN, TP 2	LF	1792
441-9999	CONCRETE SIDEWALK, 4 IN, STAMPED CONC TILE, RED BRICK PATTERN	SY	14
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	1842
500-3101	CLASS A CONCRETE	CY	0.5
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	46
500-9999	CLASS B CONC BASE OR PVMT WIDENING	CY	31
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN ROUND, 42-IN (BLACK)	LF	251
550-5180	STORM DRAIN PIPE, 18 IN, CLASS III	LF	619
611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	2
611-3010	RECONSTR STORM SEWER MANHOLE, TYPE 1	EA	2
611-3030	RECONSTR STORM INLET	EA	4
611-8040	ADJUST DROP INLET TO GRADE	EA	1
632-0003	CHANGEABLE PORTABLE MESSAGE SIGN, TYPE 3	EA	4
668-1100	CATCH BASIN, GP 1	EA	5
668-2100	DROP INLET, GP 1	EA	4
668-4300	STORM SEWER MANHOLE, TP 1	EA	1
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CLASS 1	LF	1
611-5360	RESET HIGHWAY SIGN	EA	1
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	9
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	23
636-2070	GALV STEEL POSTS, TP 7	LF	65
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	18
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	2
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	109
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	1032
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	581
653-8026	WET WEATHER THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, WHITE	LF	2932
653-8031	WET WEATHER THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 IN, YELLOW	LF	1961
653-8051	WET WEATHER THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	418
654-1001	RAISED PVMT MARKERS, TP 1	EA	104
654-1003	RAISED PVMT MARKERS, TP 3	EA	48
161-1000*	EROSION CONTROL	LS	LUMP
163-0240	MULCH	TN	77
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXIT	EA	2
163-0551*	CONSTRUCT, MAINTAIN, AND REMOVE INLET SEDIMENT TRAP	EA	22
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	LF	550
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	2
165-0310	MAINTENANCE OF TIRE WASH STATION	EA	1
167-1000	WATER QUALITY MONITORING & SAMPLING	EA	2
167-1500	WATER QUALITY INSPECTIONS	MO	12
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	1100
700-7000	AGRICULTURAL LIME	TN	1
700-8000	FERTILIZER, MIXED GRADE	TN	2
700-8100	FERTILIZER, NITROGEN CONTENT	LB	25
700-0200	GRASSING COMPLETE (SOD)	LS	LUMP
716-2000	EROSION CONTROL MATS, SLOPES	SY	700
647-1000	TRAFFIC SIGNAL INSTALLATION NO - 1	LS	LUMP
639-3004	STEEL STRAIN POLE, TP IV (30 FT MAST ARM ONLY)	EA	1
636-3004	STEEL STRAIN POLE, TYPE IV - WITH DUAL 45-60 FT MAST ARM	EA	1
682-2145	PULLBOX TP 45	EA	1
926-2105*	WIRELESS SYSTEM, TYPE 4-CB	EA	1
937-6000	MICROWAVE VEHICLE DETECTION SYSTEM NO - 1	EA	4
680-4200	LIGHTING STD, 0-20 FT MH	EA	33
680-5245	LUMINAIRE BRACKET ARM, 2 FT	EA	33
680-6130	LUMINAIRE TP 3, 75W, LED	EA	33
680-7010	REMOVAL OF LIGHT	EA	73
682-1409	CABLE, TP XHHW, AWG NO 1	LF	1200
682-1413	CABLE, TP XHHW, AWG NO 1/0	LF	8330
682-1414	CABLE, TP XHHW, AWG NO 3/0	LF	4670
682-2110	ELECTRICAL SERVICE POINT	EA	1
682-6120	CONDUIT RIGID, 2 IN	LF	400
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	3650
682-6255	CONDUIT, NONMETAL, TP 3, 3 IN	LF	120
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	7
682-9950	DIRECTIONAL BORE - 7 IN	LF	60
682-9951	DIRECTIONAL BORE - 9 IN	LF	60
331113.05-60	DUCTILE IRON PIPE - 6" DIAMETER	LF	22
331213-11S*	WATER SERVICE CONNECTIONS - 3/4" - 1" LONG SIDE SERVICE CONNECTIONS	EA	8
331219.81-AVR*	ADJUST VALVE BOX	EA	4
331219.81-RFH*	RELOCATION AND/OR RECONNECTION OF EXISTING FIRE HYDRANTS	EA	2
331219.81-AFH*	ADJUST EXISTING FIRE HYDRANTS	VF	1
999-0000	TEMPORARY CONSTRUCTION FENCING	LF	135
999-0001	PERMANENT FENCING	LF	140
999-0002	SPECIAL CONDITIONS - LANDSCAPING	LUMP	LUMP
999-0003	REMOVE AND RE-INSTALL BRICK PAVERS - PARCEL 7 (DW 6)	SY	LUMP
999-0004	OWNER'S CONTINGENCY	LUMP	LUMP

\* GCDOT PAY ITEM NUMBERS.



REVISION DATES	
09-30-24	

**DETAILED ESTIMATE**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

09-001



**Curve 1**  
 PI Sta- 103+14.82  
 N= 1404385.44  
 E= 2341804.78  
 DELTA- 04°38'04.2" (LT)  
 D= 05°43'46.48"  
 T= 40.47  
 L= 80.89  
 R= 1000.00  
 E= 0.82

**Curve 2**  
 PI Sta- 105+32.36  
 N= 1404574.61  
 E= 2341912.28  
 DELTA- 01°33'20.2" (RT)  
 D= 03°49'10.99"  
 T= 20.36  
 L= 40.73  
 R= 1500.00  
 E= 0.14

**Curve 3**  
 PI Sta- 108+68.20  
 N= 1404861.98  
 E= 2342086.09  
 DELTA- 04°32'50.9" (LT)  
 D= 02°01'41.41"  
 T= 112.17  
 L= 224.21  
 R= 8825.00  
 E= 2.23

**Curve 4**  
 PI Sta- 202+37.67  
 N= 1404493.38  
 E= 2342131.06  
 DELTA- 19°31'40.4" (RT)  
 D= 07°09'43.10"  
 T= 137.67  
 L= 272.66  
 R= 800.00  
 E= 11.76

**Curve 5**  
 PI Sta- 301+46.08  
 N= 1404793.22  
 E= 2341879.20  
 DELTA- 18°26'19.0" (LT)  
 D= 06°21'58.31"  
 T= 146.08  
 L= 289.63  
 R= 900.00  
 E= 11.78

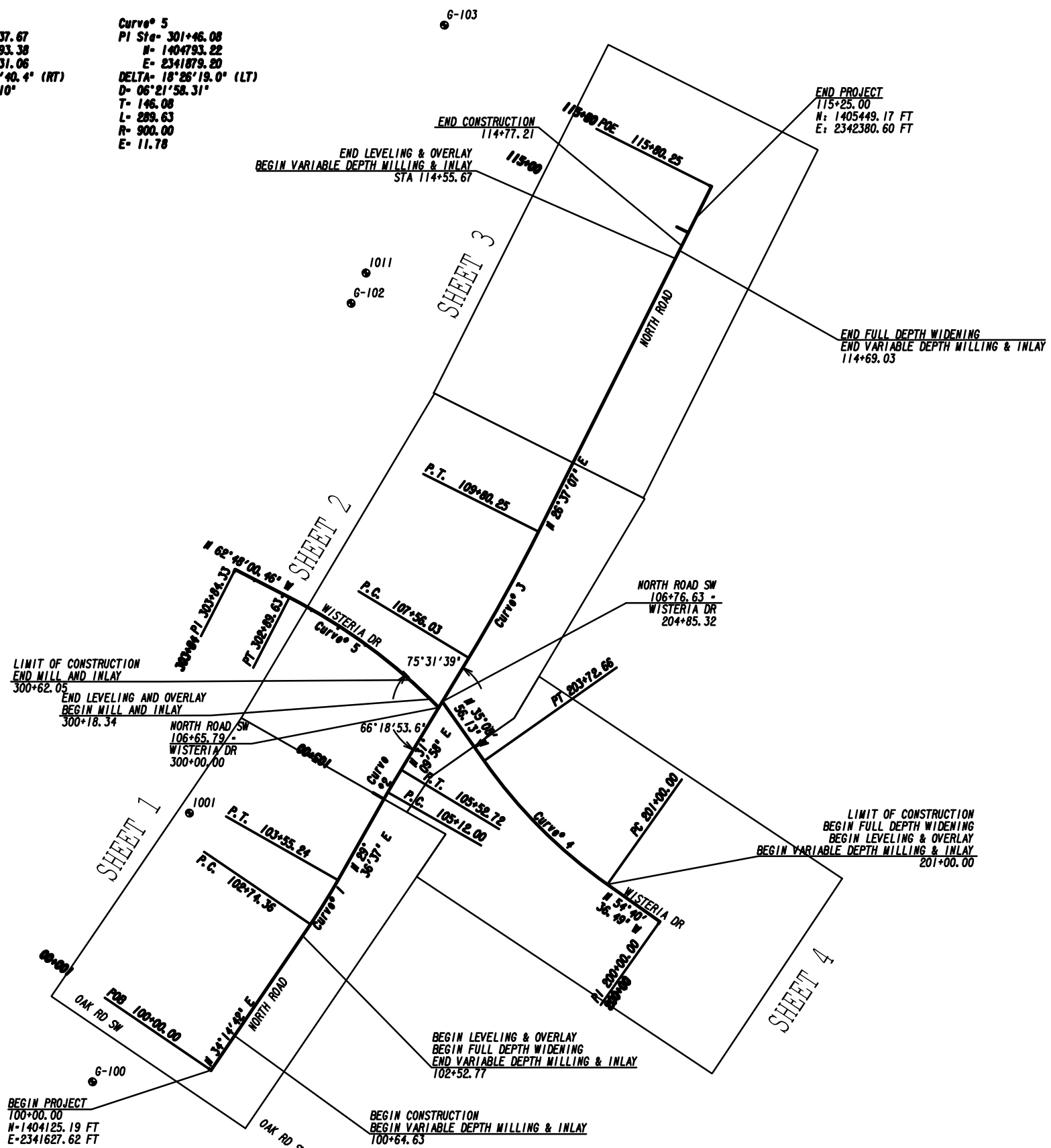
BENCHMARK: 1001  
 DESC: TBM/KC1\*51MAGN&WASHER  
 N=1404524.7787  
 E=2341593.8378  
 EL=1055.54

BENCHMARK: 1011  
 DESC: TBM/MAGN&WASHER KC1\*52  
 N=1405364.2974  
 E=2341868.2804  
 EL=1038.86

CONTROL POINT: 6-100  
 DESC: 6-100 4RBWC  
 N=1404107.2448  
 E=2341443.3367  
 EL=1056.59

CONTROL POINT: 6-102  
 DESC: 6-102 4RBWC  
 N=1405317.3523  
 E=2341845.1537  
 EL=1038.05

CONTROL POINT No. 6-103  
 DESC: 6-103 4RBWC  
 N=1405749.7370  
 E=2341990.1556  
 EL=1049.96

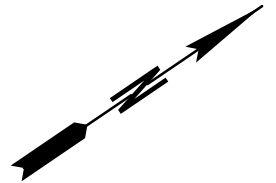


REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION LAYOUT  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	11-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



OAK RD SW

**Curve 1**  
 PI Sta- 103+14.82  
 N= 1404385.44  
 E= 2341804.78  
 DELTA- 04°38'04.2" (LT)  
 D= 05°43'46.48"  
 T= 40.47  
 L= 80.89  
 R= 1000.00  
 E= 0.82  
 SWOPE & DETHOMAS INVESTMENT GROUP, LLC

01  
HALE LANI GROUP, LLC

02  
HENRY ANDERSON MAUGHON

WATCH LINE STA. 105+00

DRAWING No. 13-0002

00+00.00  
00+100.00  
POB

N 34°14'42" E

NORTH ROAD

N 29°36'37" E

BEGIN PROJECT  
 100+00.00  
 N=1404125.19 FT  
 E=2341627.62 FT

BEGIN CONSTRUCTION  
 BEGIN VARIABLE DEPTH MILLING & INLAY  
 100+64.63

LIMIT OF 1.5" MILLING,  
 LEVELING AND OVERLAY  
 STA. 102+52.77, RT  
 MILL OUTSIDE LANE (11' WIDTH)

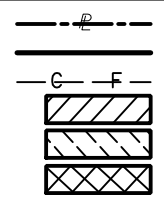
SNELLVILLE TOWN CENTER LLC

BEGIN LEVELING & OVERLAY  
 BEGIN FULL DEPTH WIDENING  
 END VARIABLE DEPTH MILLING & INLAY  
 102+52.77

MAINTAIN EXISTING O&G  
 MAINTAIN EXISTING SIDEWALK

SNELLVILLE TOWN CENTER LLC

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



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

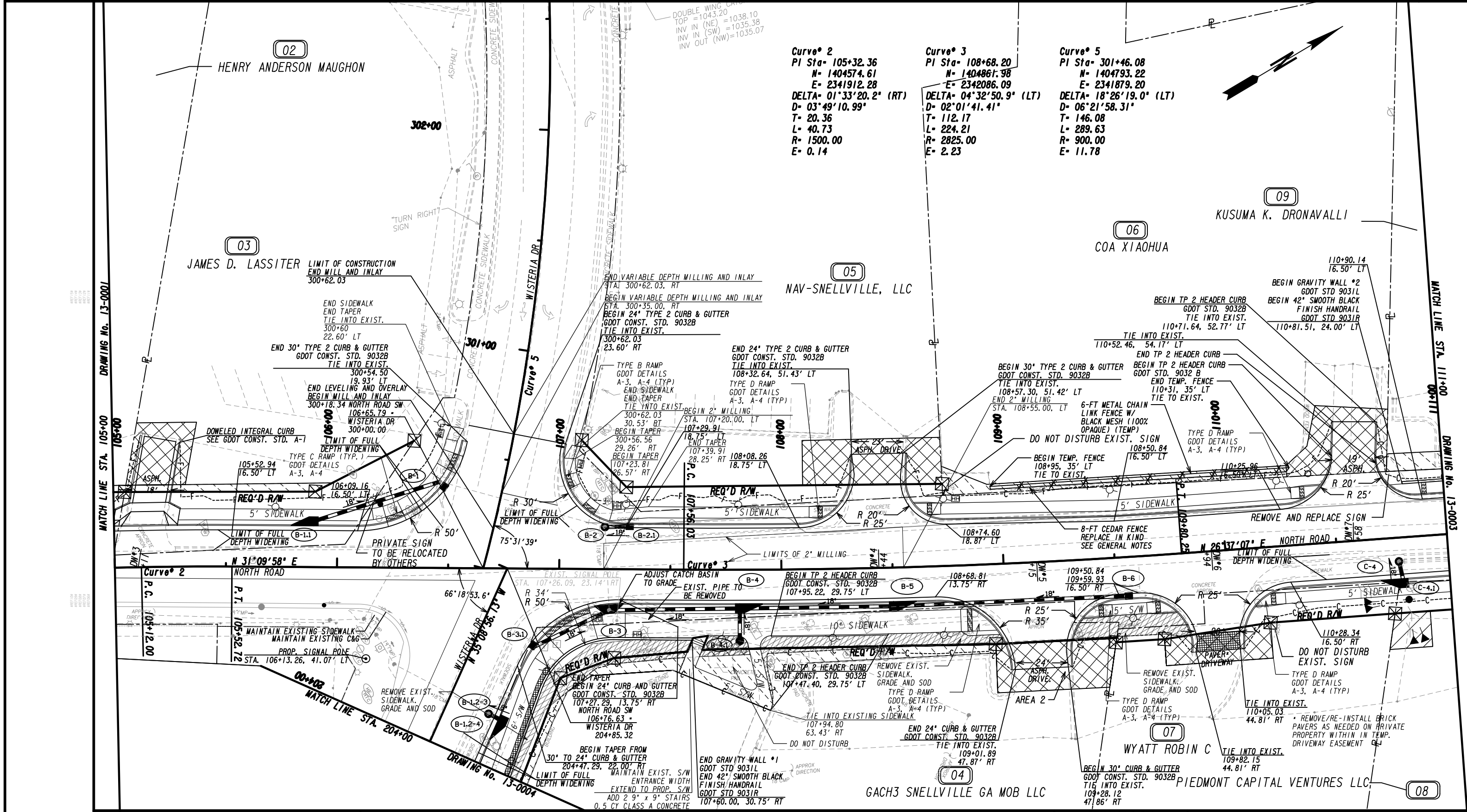


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REVISION DATES	
09/30/24	

CONSTRUCTION PLAN NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No. <b>13-0001</b>

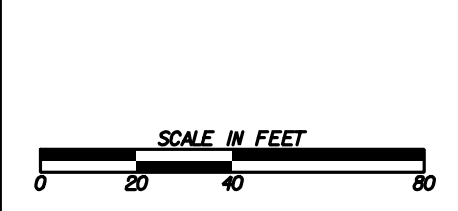


PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

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

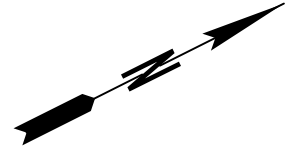
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REVISION DATES	

CONSTRUCTION PLAN NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			13-0002



09  
KUSUMA K. DRONAVALLI

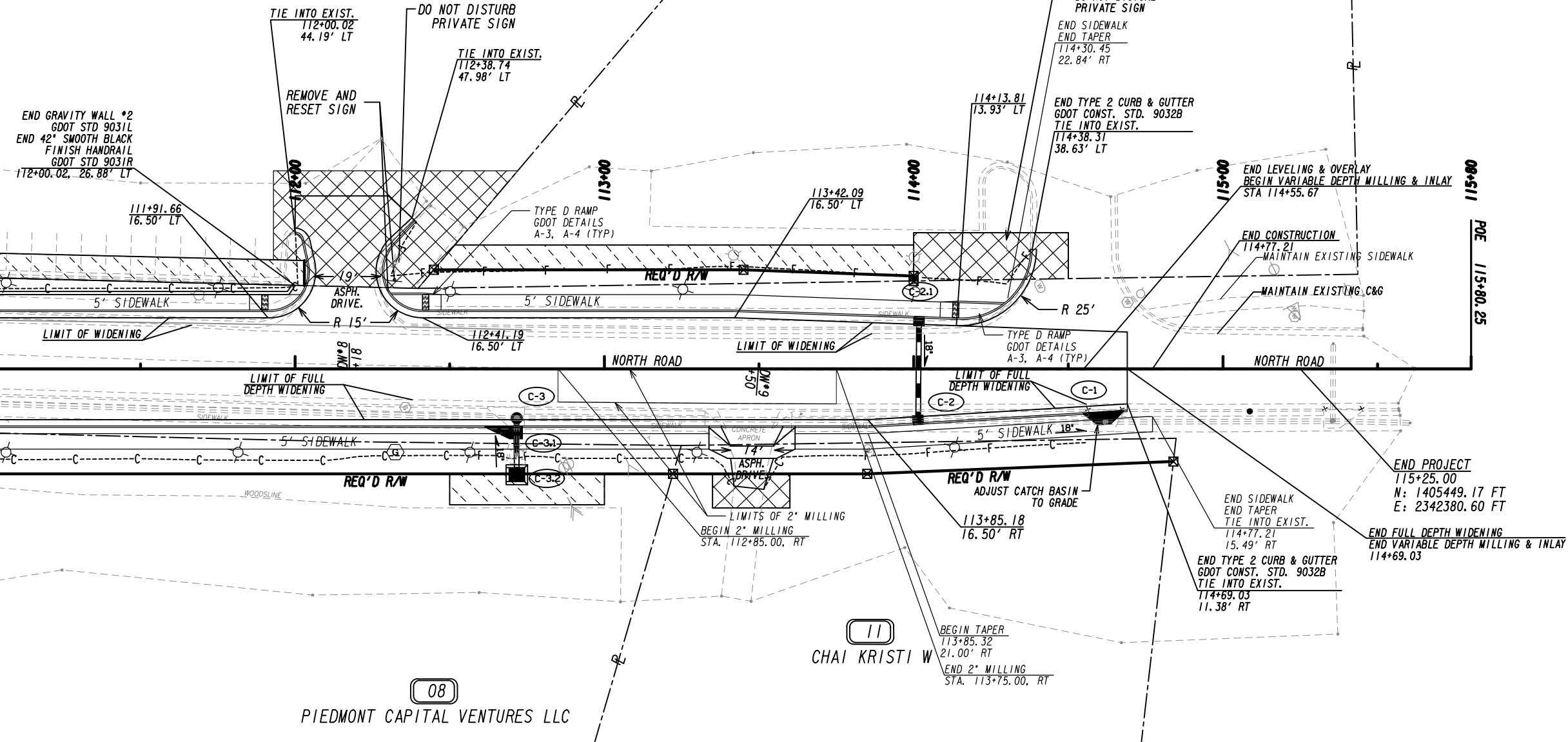
10  
DAKOTA REALTY LLC I

11  
CHAI KRISTI W

08  
PIEDMONT CAPITAL VENTURES LLC

DRAWING No. 13-0002  
MATCH LINE STA. 111+00

POE 115+00.25

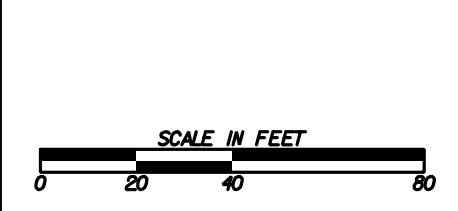


PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

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

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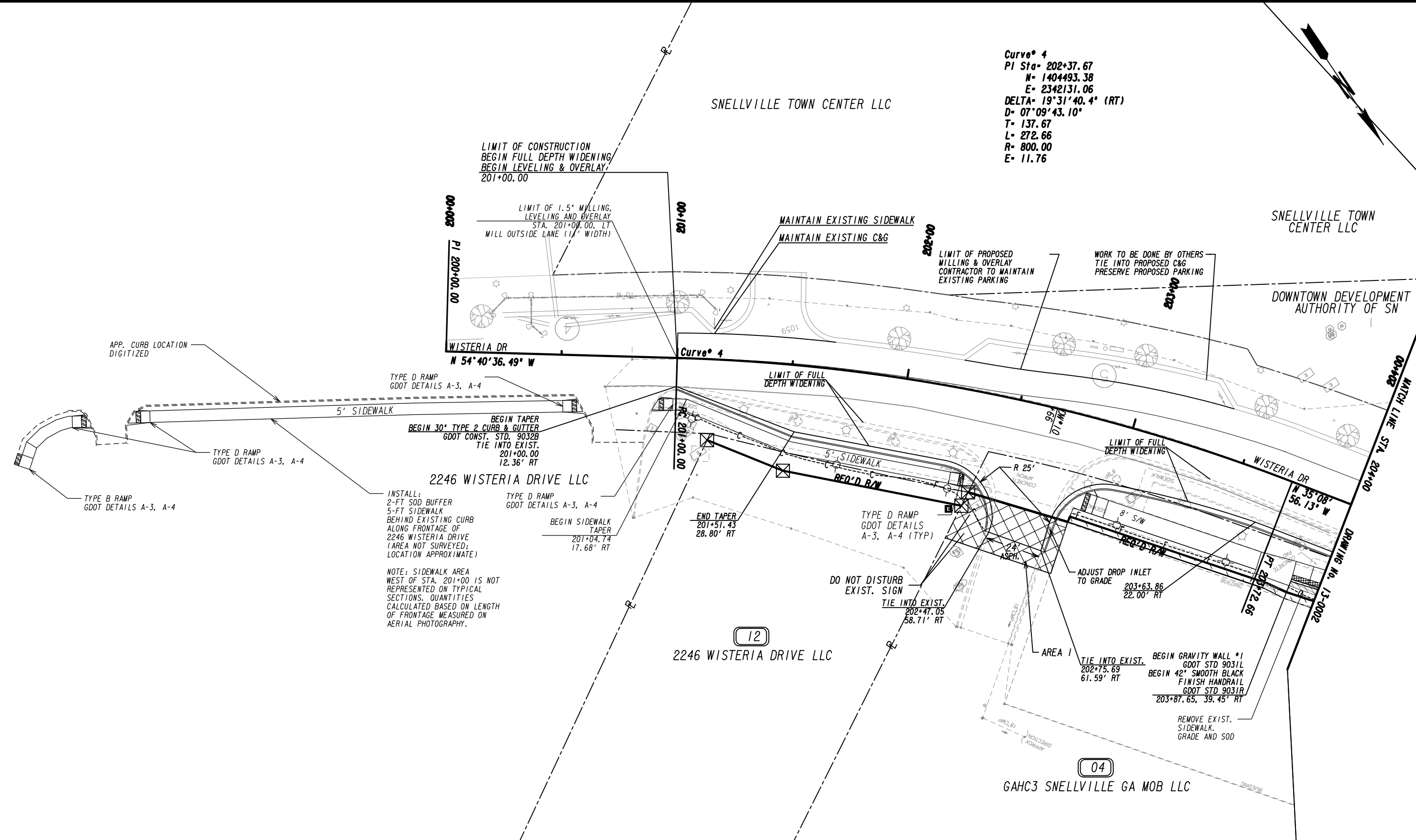


REVISION DATES	

**CONSTRUCTION PLAN**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

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

Curve 4  
 PI Sta- 202+37.67  
 N= 1404493.38  
 E= 2342131.06  
 DELTA- 19°31'40.4" (RT)  
 D= 07°09'43.10"  
 T= 137.67  
 L= 272.66  
 R= 800.00  
 E= 11.76



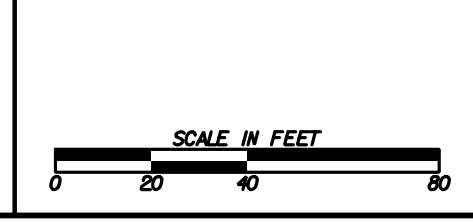
10/23/2015 GPLN

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

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

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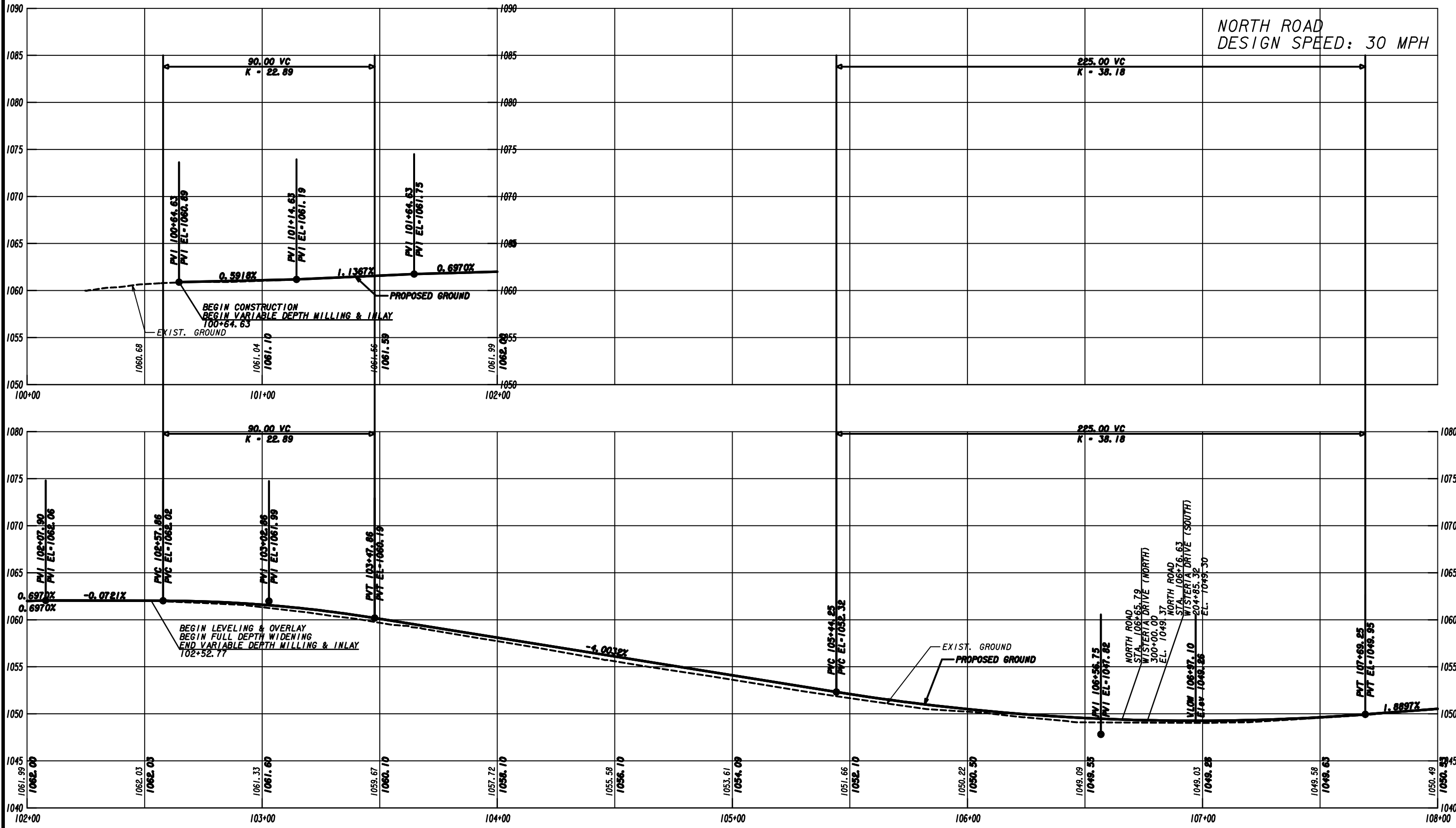


REVISION DATES	

**CONSTRUCTION PLAN**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

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





NORTH ROAD  
 DESIGN SPEED: 30 MPH

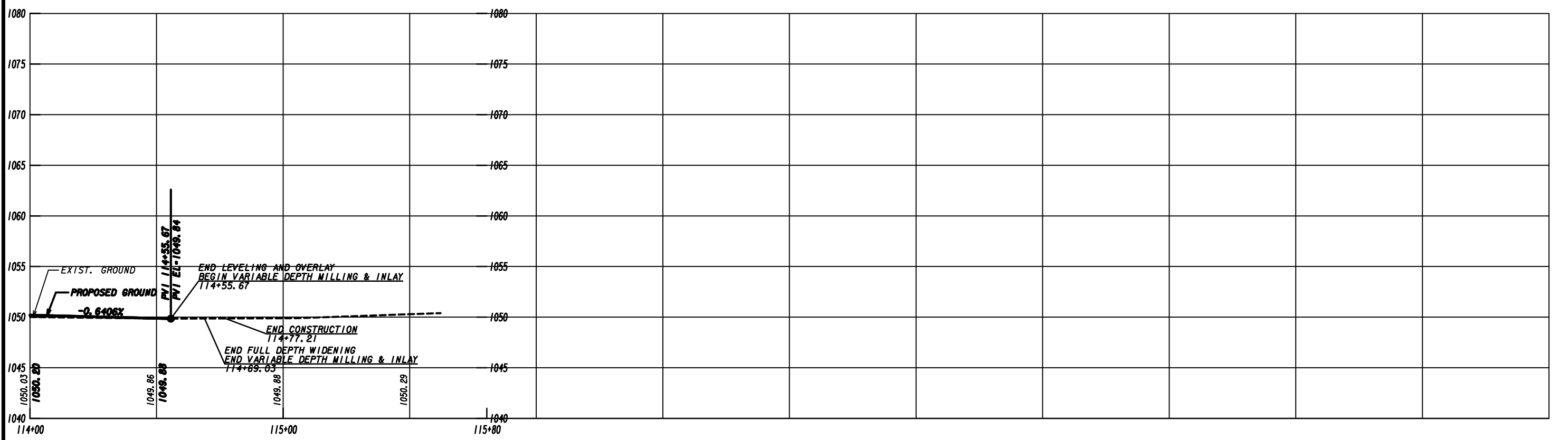
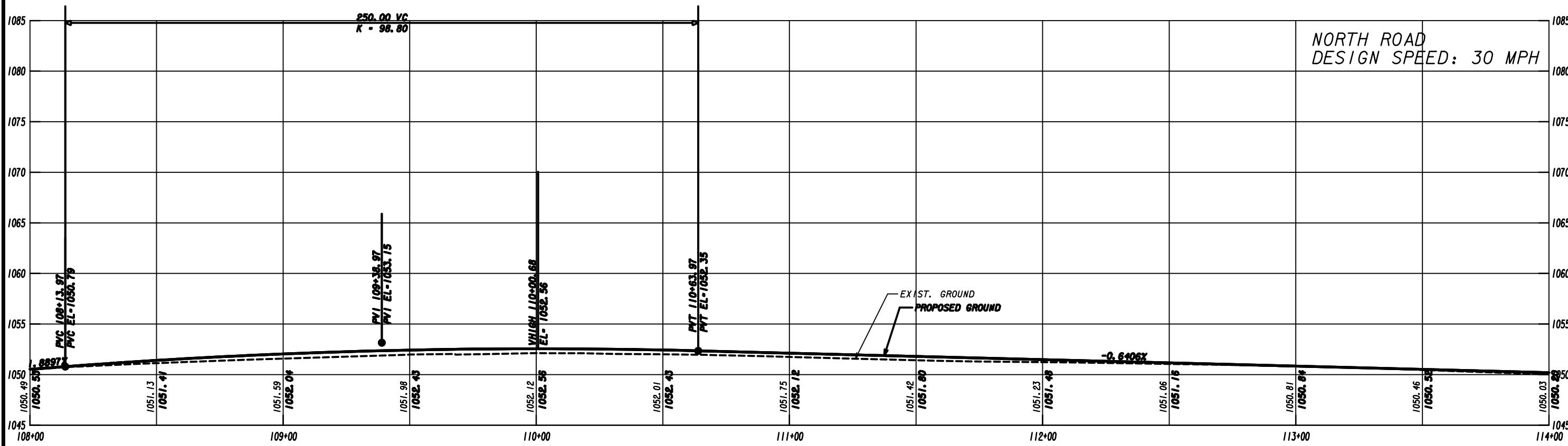


SCALE: 1"=5' VERT.  
 1"=20' HORIZ.

REVISION DATES	

**MAINLINE PROFILE**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SCALE: 1"=5' VERT,  
1"=20' HORIZ.

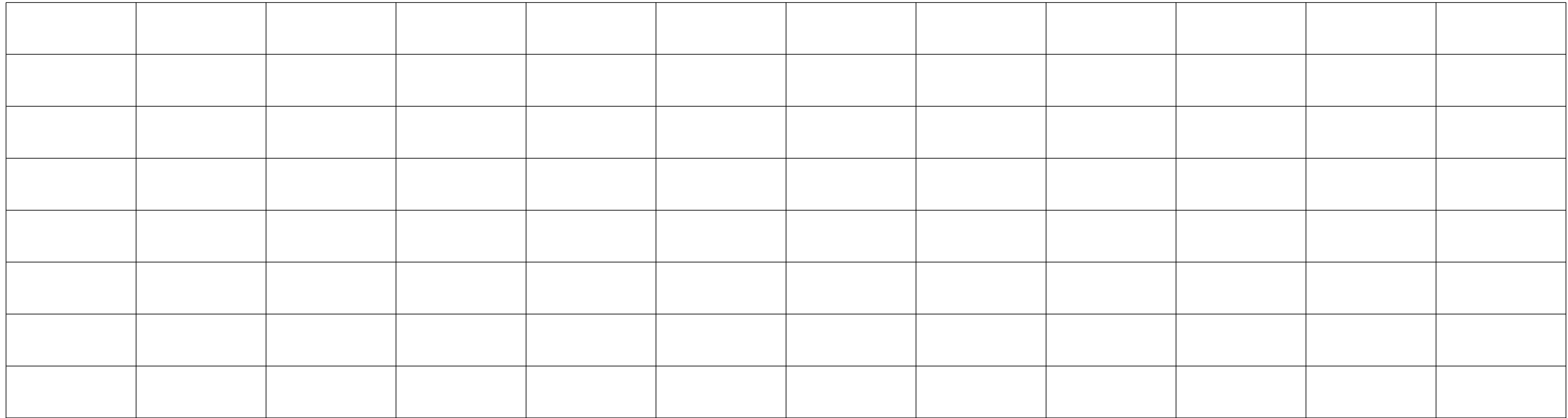
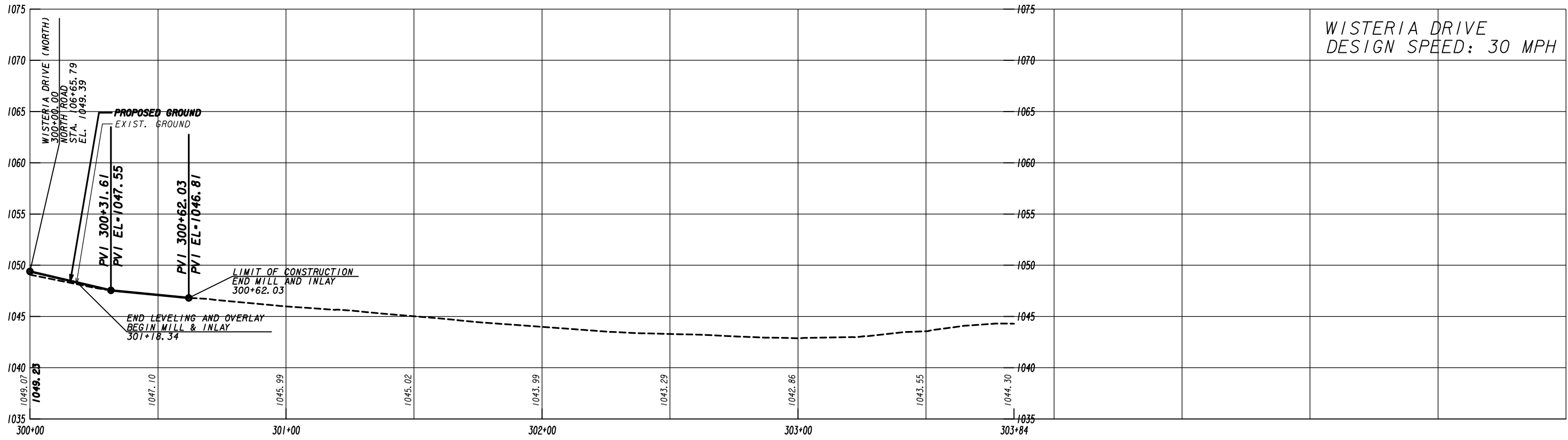
REVISION DATES

NO.	DATE	DESCRIPTION

**MAINLINE PROFILE**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	





REVISION DATES

NO.	DATE	DESCRIPTION

**CROSSROAD PROFILE**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	16-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DW #6  
NORTH ROAD  
STA. 109+94, RT  
20' WIDTH, ASPHALT  
GDOT CONST. STD. A-2

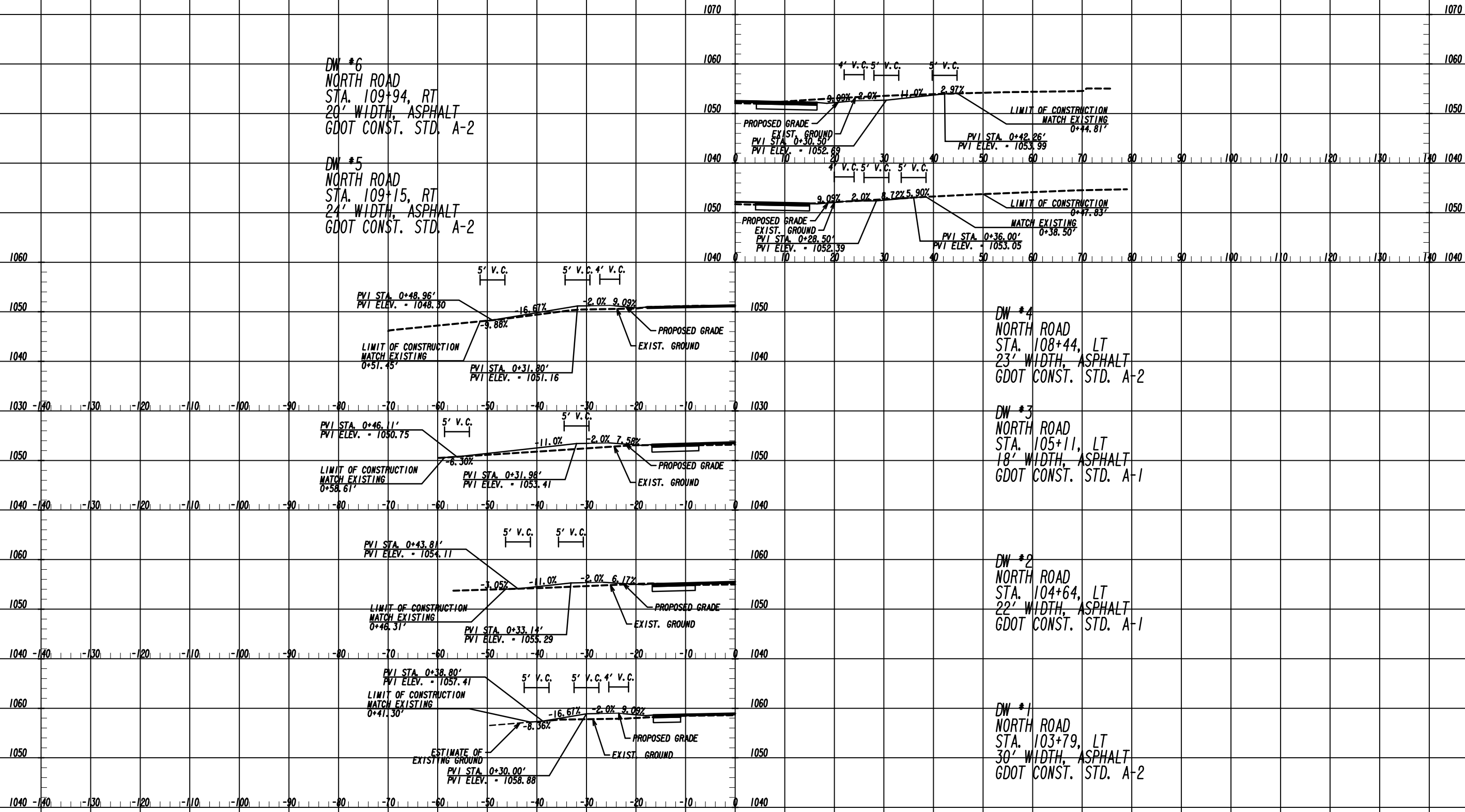
DW #5  
NORTH ROAD  
STA. 109+15, RT  
24' WIDTH, ASPHALT  
GDOT CONST. STD. A-2

DW #4  
NORTH ROAD  
STA. 108+44, LT  
23' WIDTH, ASPHALT  
GDOT CONST. STD. A-2

DW #3  
NORTH ROAD  
STA. 105+11, LT  
18' WIDTH, ASPHALT  
GDOT CONST. STD. A-1

DW #2  
NORTH ROAD  
STA. 104+64, LT  
22' WIDTH, ASPHALT  
GDOT CONST. STD. A-1

DW #1  
NORTH ROAD  
STA. 103+79, LT  
30' WIDTH, ASPHALT  
GDOT CONST. STD. A-2



REVISION DATES	

**DRIVEWAY PROFILE**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	17-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

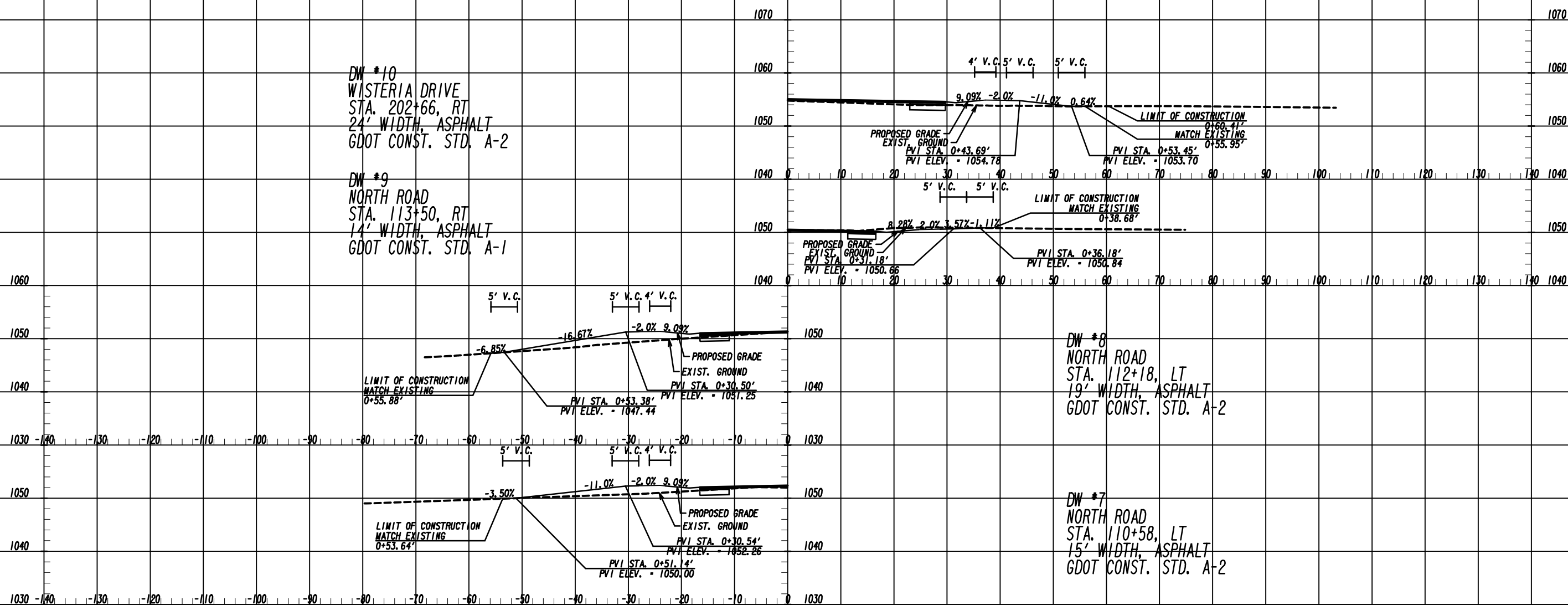


DW #10  
WISTERIA DRIVE  
STA. 202+66, RT  
24' WIDTH, ASPHALT  
GDOT CONST. STD. A-2

DW #9  
NORTH ROAD  
STA. 113+50, RT  
14' WIDTH, ASPHALT  
GDOT CONST. STD. A-1

DW #8  
NORTH ROAD  
STA. 112+18, LT  
19' WIDTH, ASPHALT  
GDOT CONST. STD. A-2

DW #7  
NORTH ROAD  
STA. 110+58, LT  
15' WIDTH, ASPHALT  
GDOT CONST. STD. A-2



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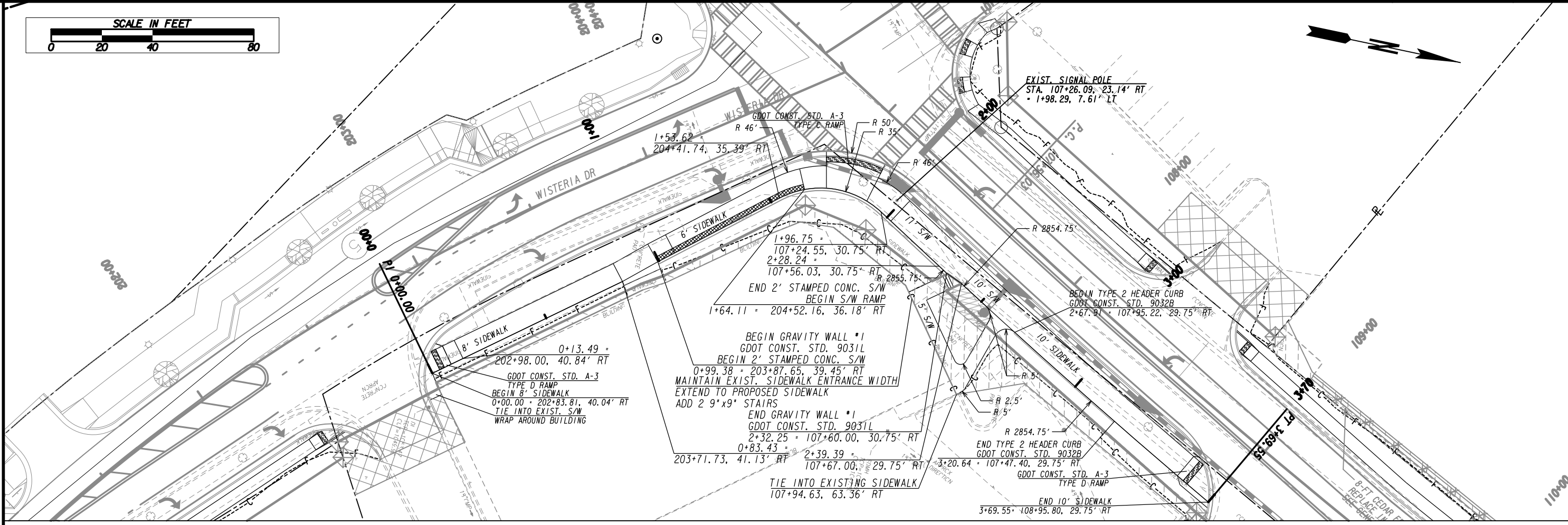
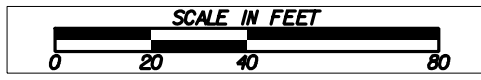


REVISION DATES

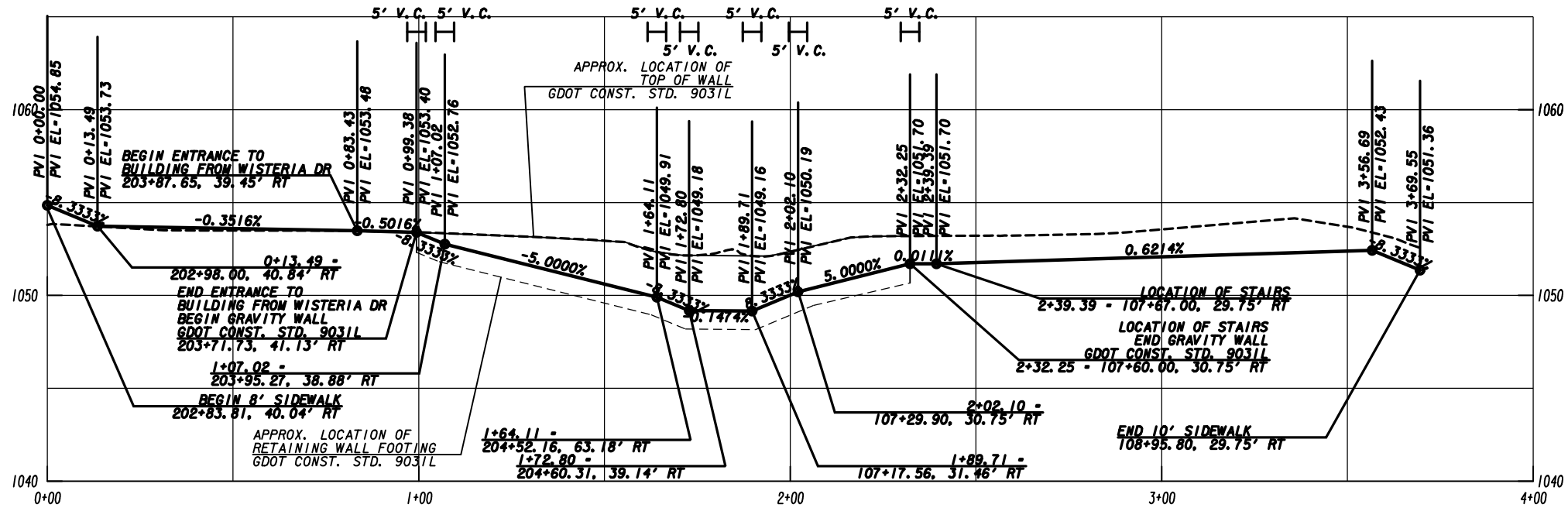
NO.	DATE	DESCRIPTION

DRIVEWAY PROFILE  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	17-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SIDEWALK PROFILE OF PROPOSED VARIABLE WIDTH SIDEWALK FROM WISTERIA DRIVE TO NORTH ROAD



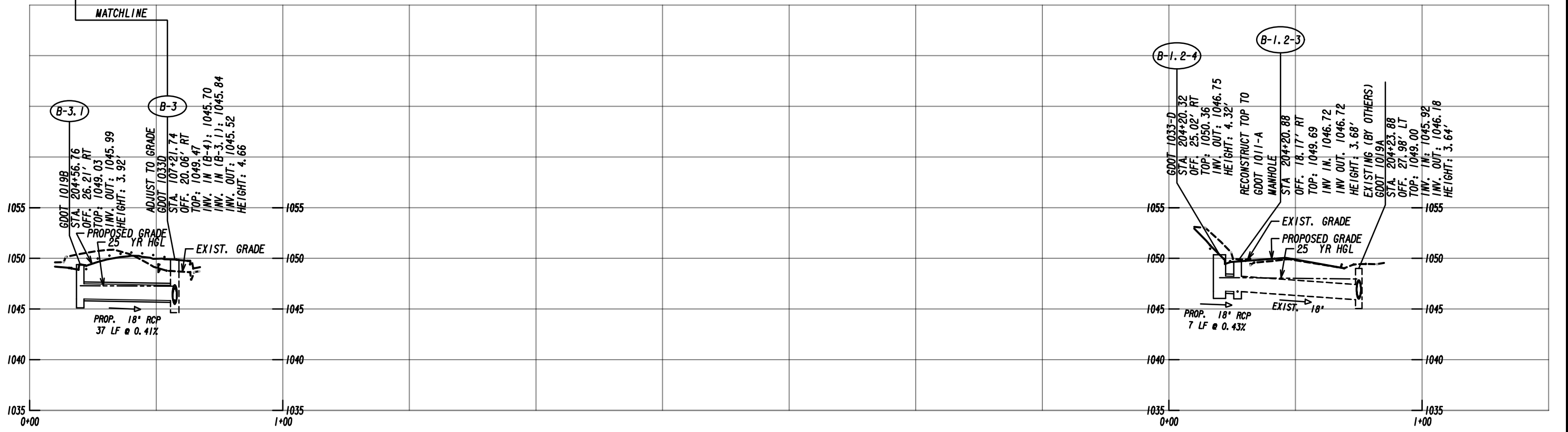
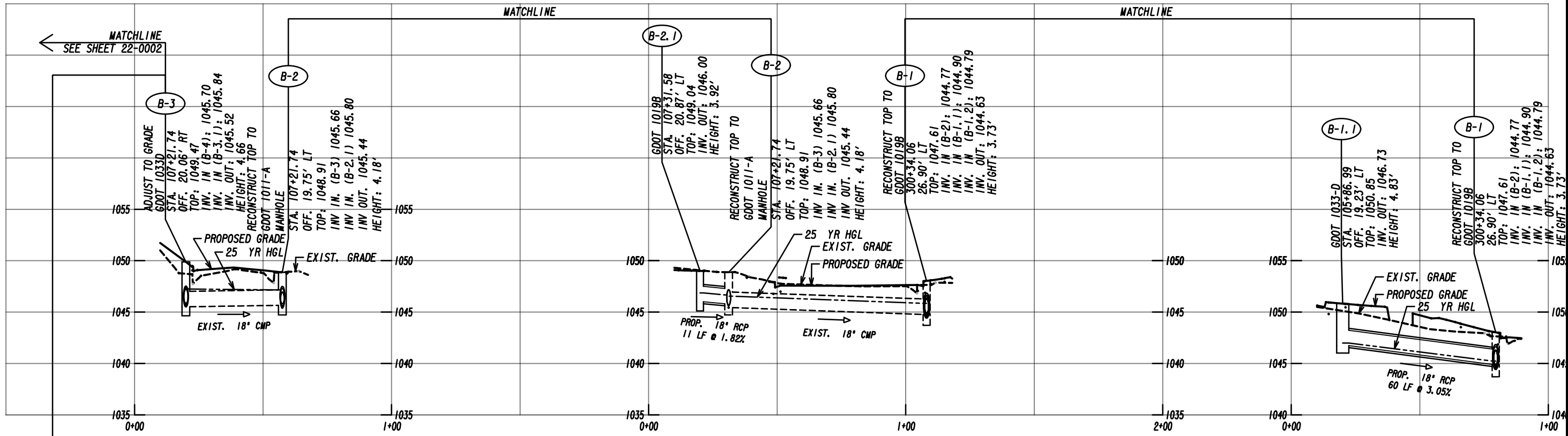
SCALE 1 INCH = 5 FEET VERTICAL  
SCALE 1 INCH = 20 FEET HORIZONTAL



REVISION DATES	

**SPECIAL GRADING**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	18-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



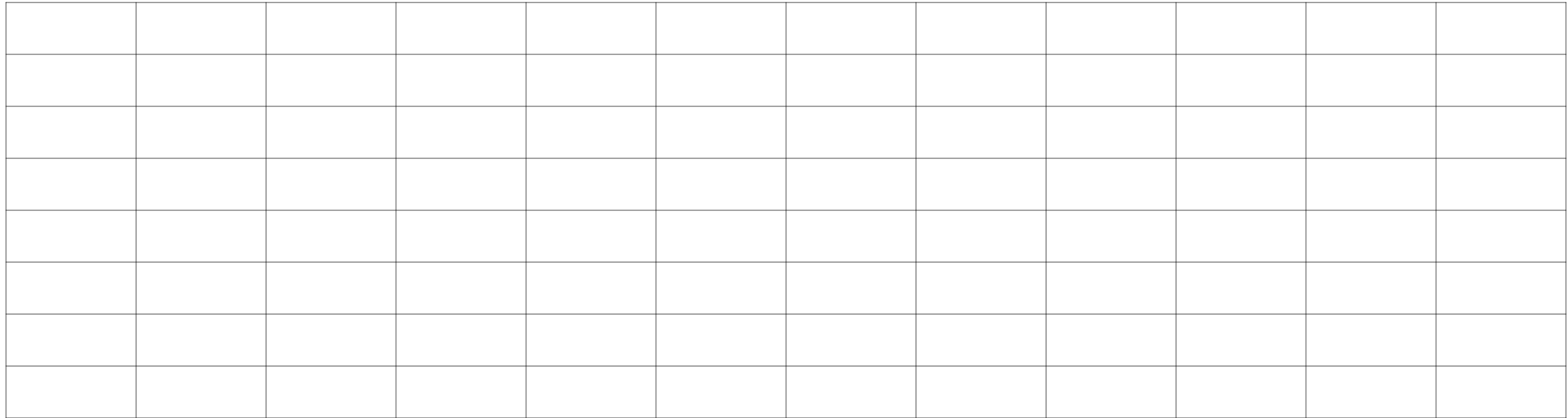
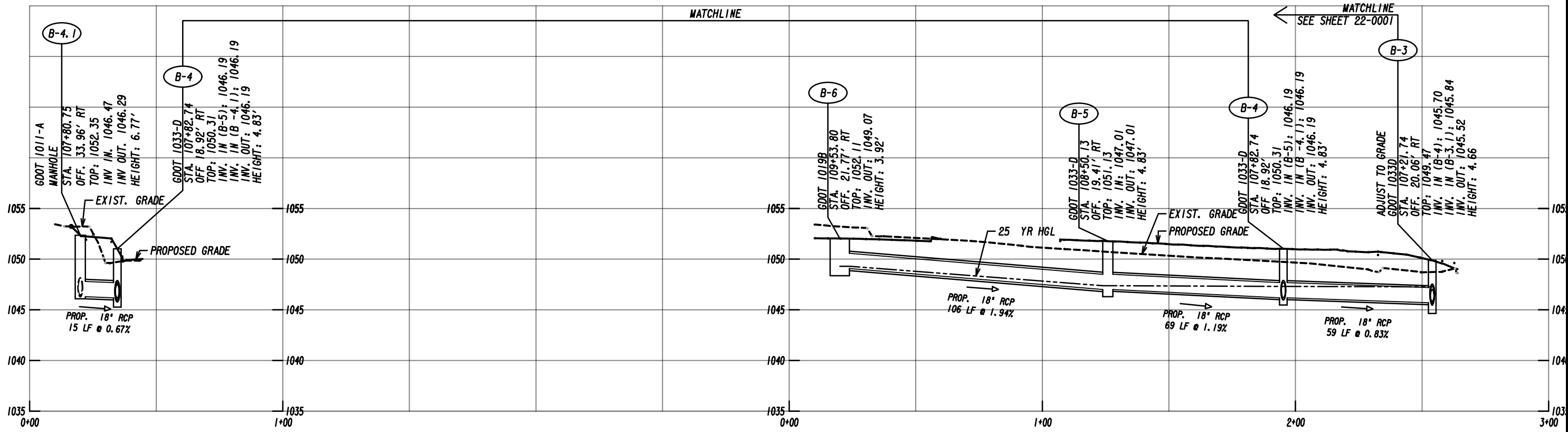
SCALE: 1"=5' VERT.  
1"=20' HORIZ.

REVISION DATES

NO.	DATE	DESCRIPTION

**DRAINAGE PROFILES**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	22-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

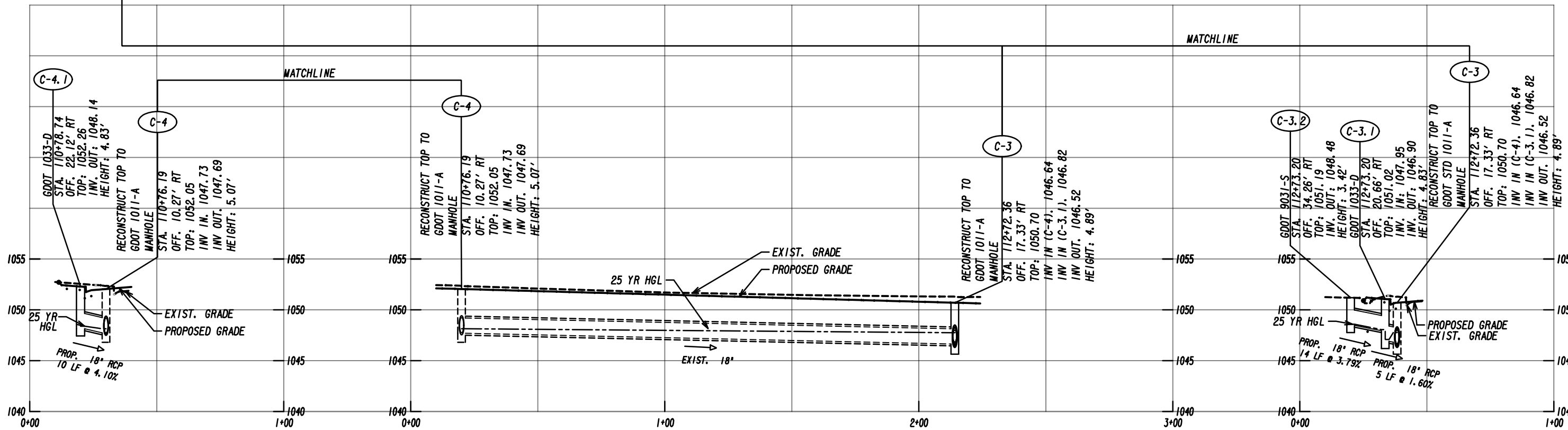
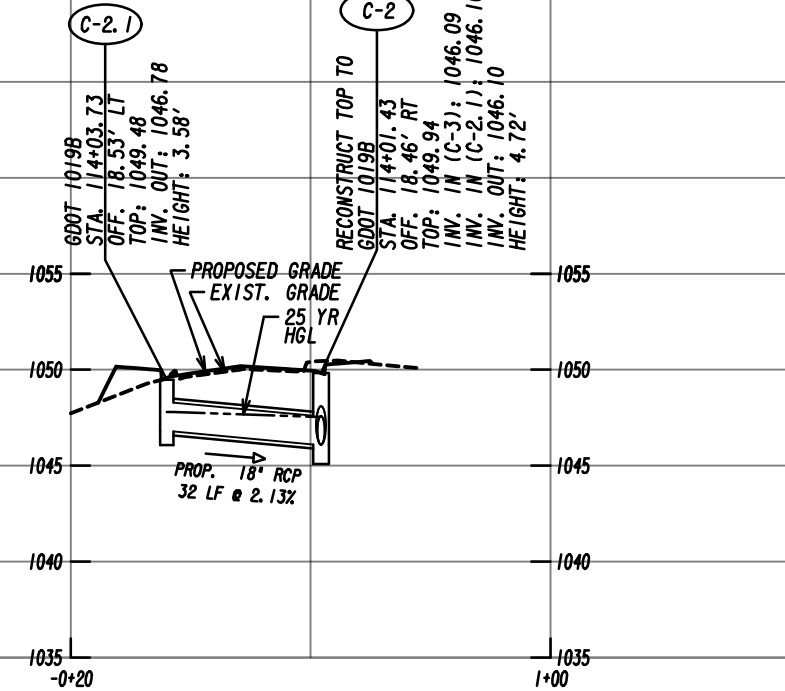
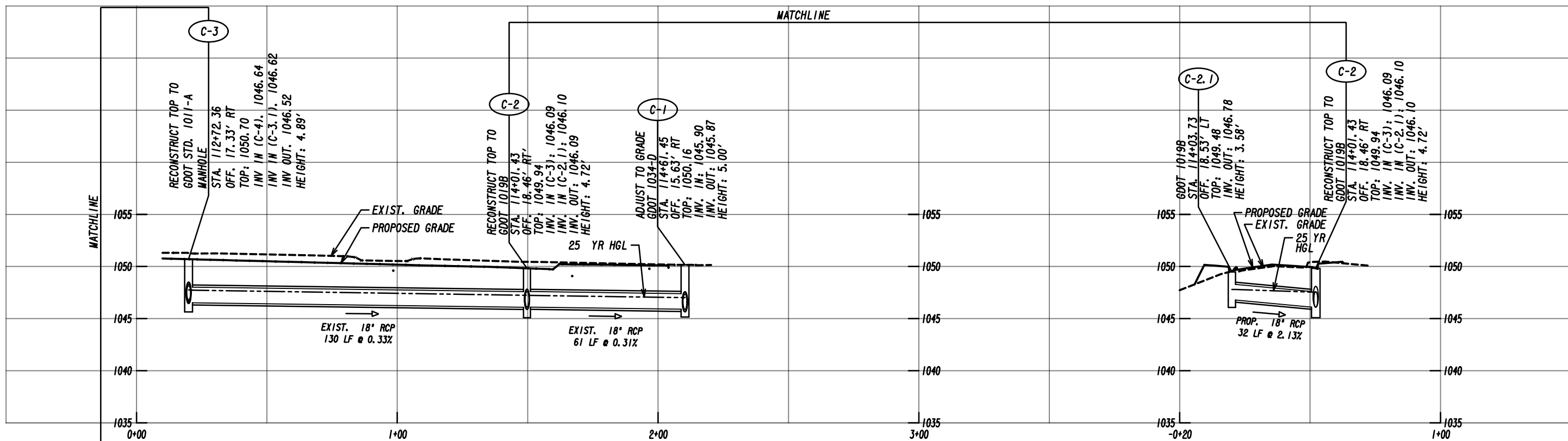


SCALE: 1"=5' VERT.  
1"=20' HORIZ.

REVISION DATES	

**DRAINAGE PROFILES**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No. <b>22-0002</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SCALE: 1"=5' VERT.  
1"=20' HORIZ.

REVISION DATES

NO.	DATE	DESCRIPTION

**DRAINAGE PROFILES**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	22-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DATE##  
USER##

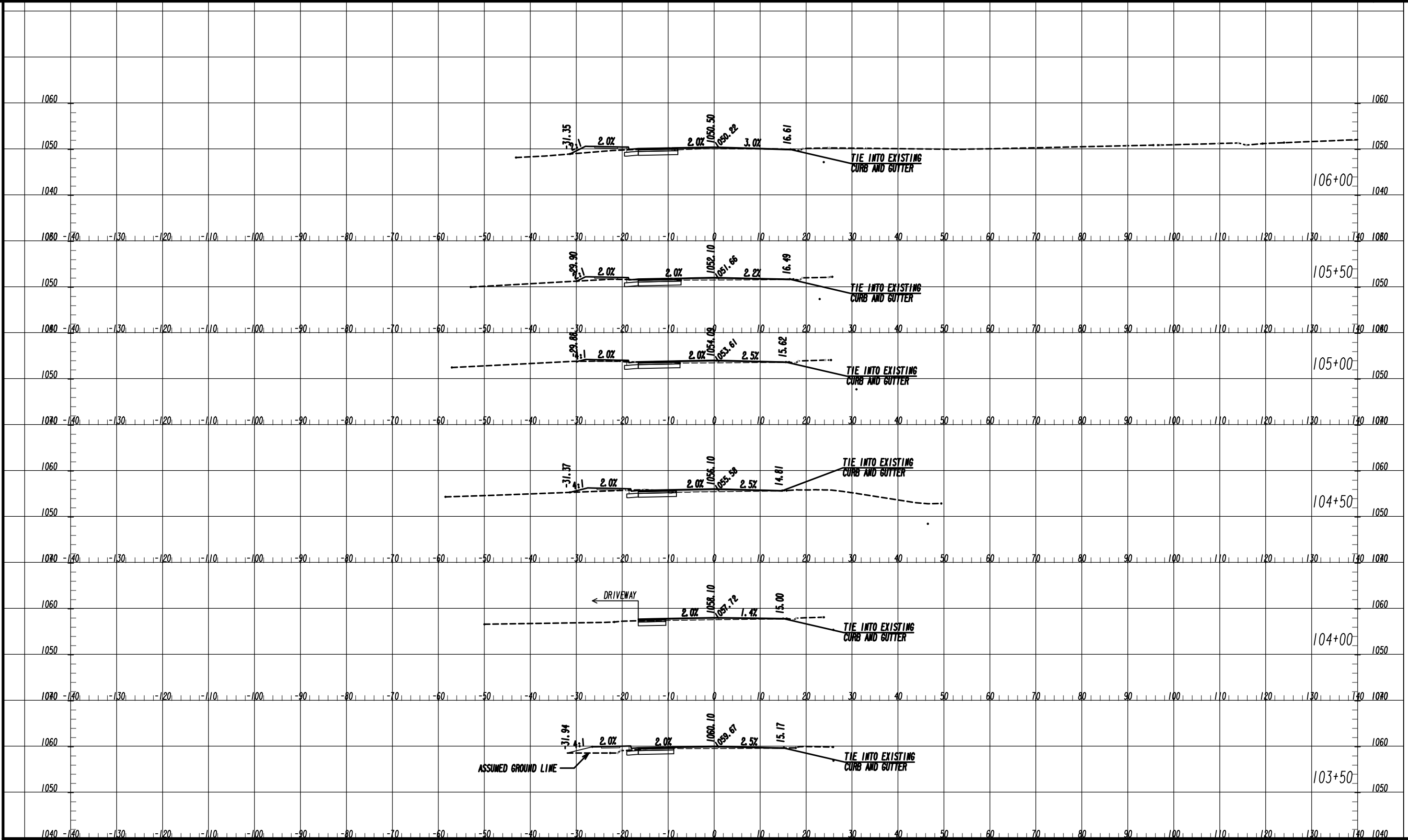
TIME##

\*PRF##

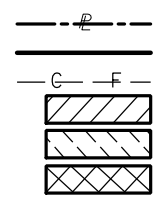
\*\*PENTABLE##

#DGN#

CITY OF SNELLVILLE



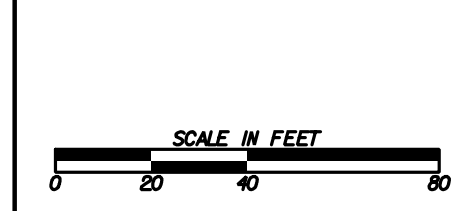
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



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

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REVISION DATES	

**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

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

DATE\*\*  
USER\*\*

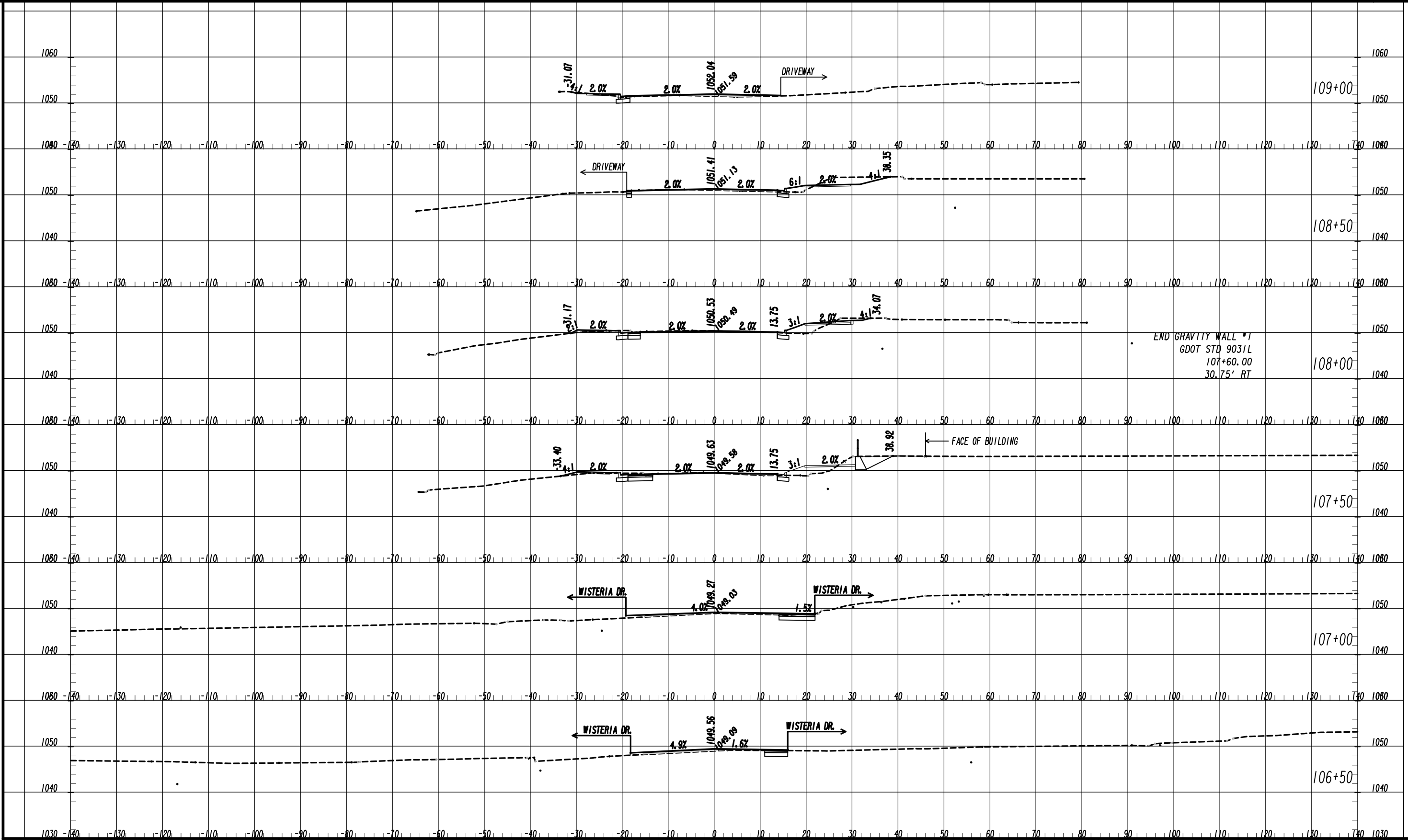
TIME\*\*

\*PRF\*\*

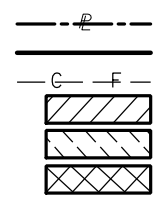
\*\*PENTABLE\*\*

#DGN\*\*

CITY OF SNELLVILLE



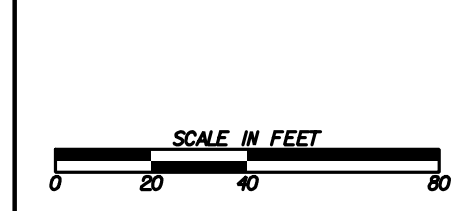
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



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

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REVISION DATES


**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DATE\*\*  
\$USER\*\*

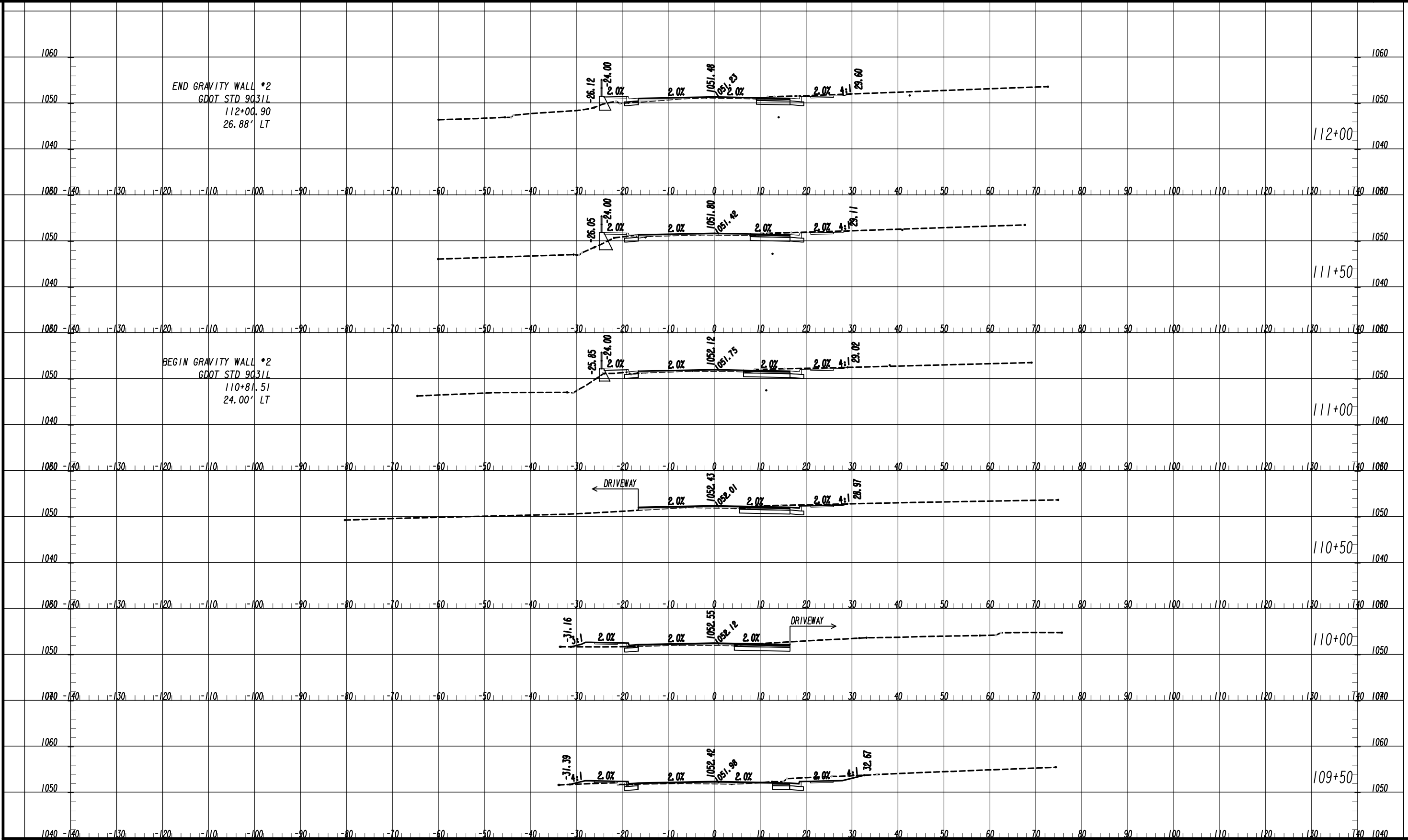
TIME\*\*

\*PRF\*\*

\*\*PENTABLE\*\*

#DGN\*

CITY OF SNELLVILLE



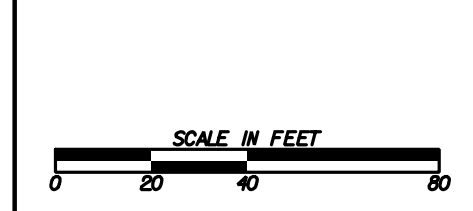
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

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

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**CHIA**

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REVISION DATES


**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DATE\*\*  
USER\*\*

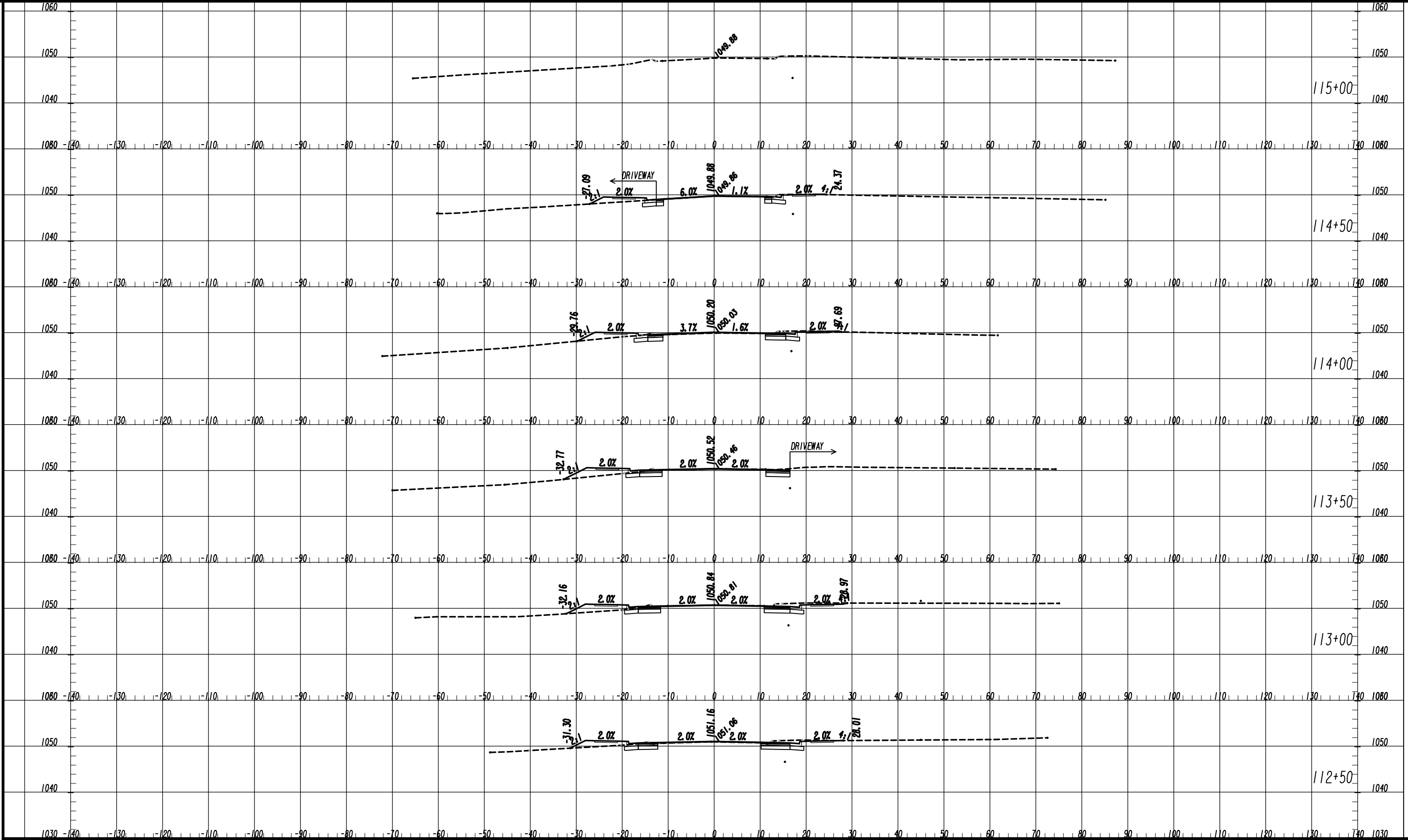
TIME\*\*

\*PRF\*\*

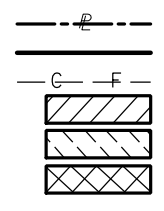
\*\*PENTABLE\*\*

#DGN\*\*

CITY OF SNELLVILLE



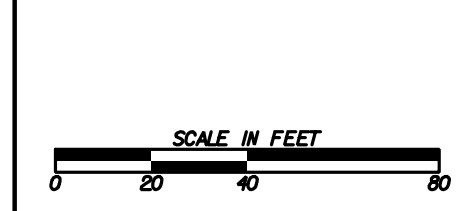
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 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



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

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REVISION DATES	

**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DATE\*\*  
USER\*\*

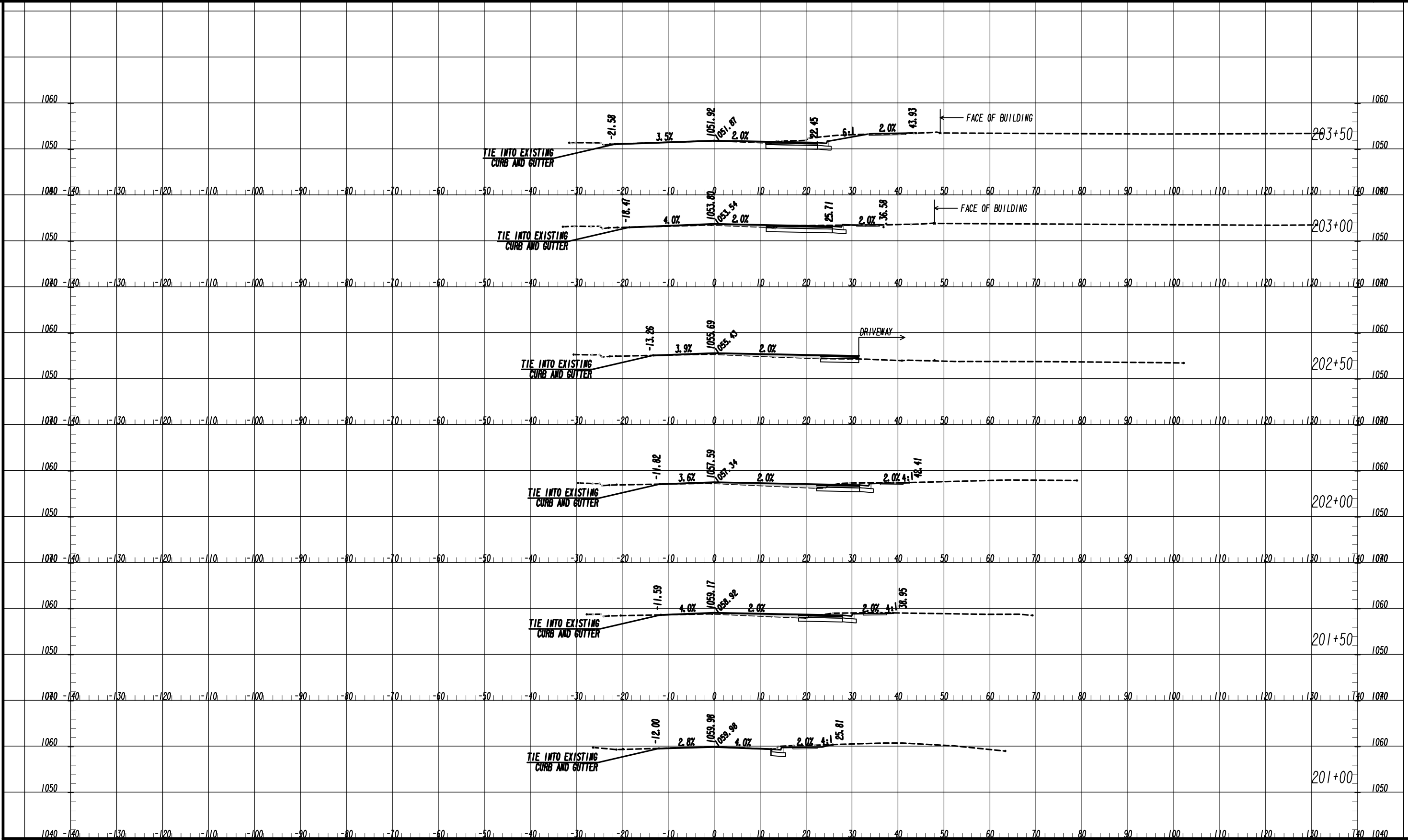
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\*PRF\*\*

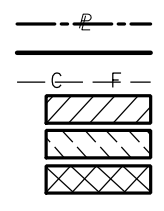
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#DGN\*

CITY OF SNELLVILLE



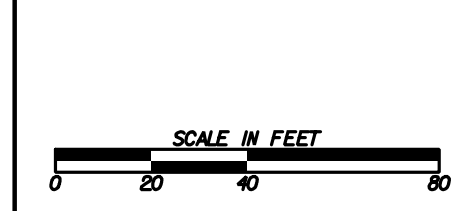
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 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



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

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REVISION DATES	

**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

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

DATE##  
\$USER##

TIME##

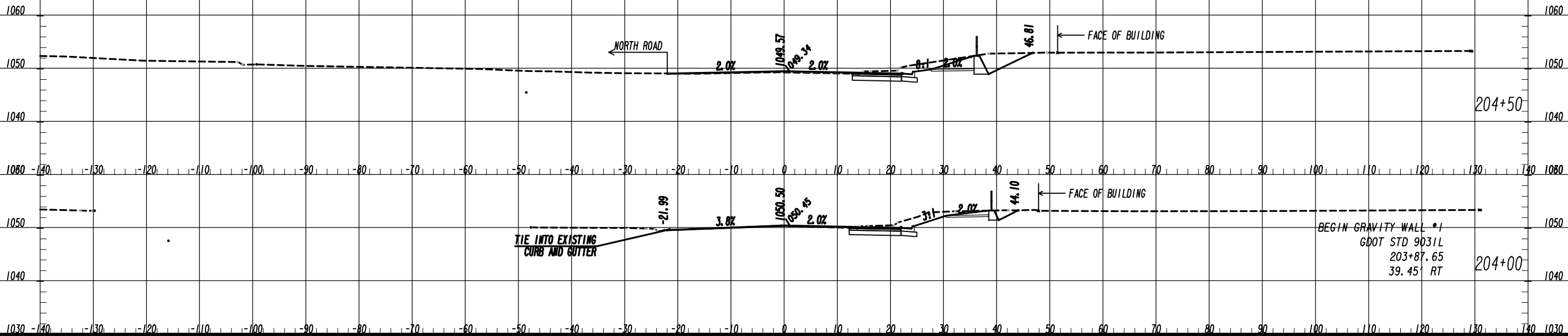
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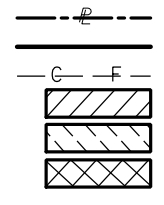
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CITY OF SNELLVILLE

PROJECT NO.  
PROJECT DATE  
PROJECT JOB  
PROJECT SITE



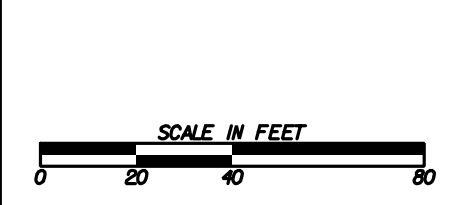
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 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



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

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REVISION DATES	

**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	

DATE##  
\$USER##

TIME##

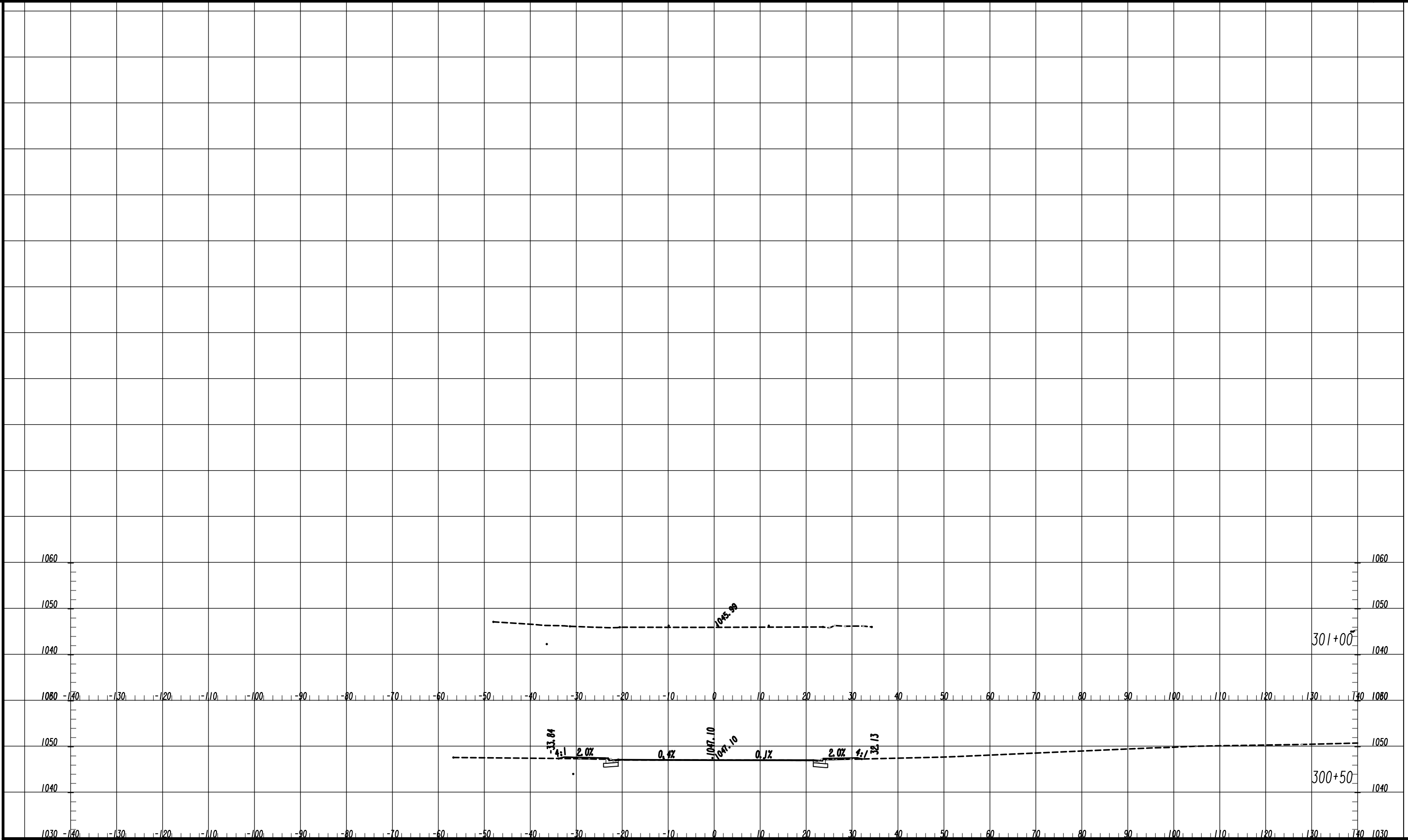
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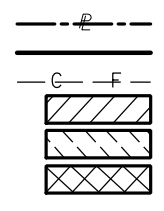
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CITY OF SNELLVILLE

PROJECT NO.  
PROJECT DATE  
PROJECT JOB  
PROJECT JOB  
PROJECT JOB



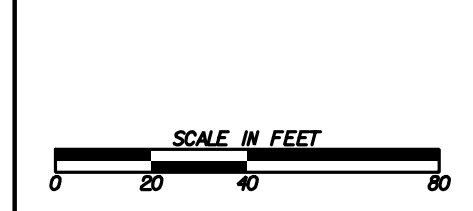
PROPERTY AND EXISTING R/W LINE  
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BEGIN LIMIT OF ACCESS.....BLA  
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 REQ'D LIMIT OF ACCESS  
 REQ'D LIMIT OF ACCESS & R/W  
 ORANGE BARRIER FENCE  
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 (SEE ERIT TABLE)

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REVISION DATES	

**EARTHWORK CROSS SECTIONS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

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

UTILITY LINECODES

UTILITY SYMBOLS

EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
			ELECTRIC
			ELECTRIC/TELECOMMUNICATIONS
			ELECTRIC/CABLE TV
			ELECTRIC/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
			GUY WIRE
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV
			CABLE TV
			CABLE TV/TRAFFIC CONTROL
			TRAFFIC CONTROL
			ELECTRIC (QL-D)
			ELECTRIC (QL-C)
			ELECTRIC (QL-B)
			TELECOMMUNICATIONS (QL-D)
			TELECOMMUNICATIONS (QL-C)
			TELECOMMUNICATIONS (QL-B)
			CABLE TV (QL-D)
			CABLE TV (QL-C)
			CABLE TV (QL-B)
			WATER (QL-D)
			WATER (QL-C)
			WATER (QL-B)
			WATER FOR LABELED PIPE SIZES (QL-D)
			WATER FOR LABELED PIPE SIZES (QL-C)
			WATER FOR LABELED PIPE SIZES (QL-B)
			NON-POTABLE WATER (QL-D)
			NON-POTABLE WATER (QL-C)
			NON-POTABLE WATER (QL-B)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
			STEAM (QL-D)
			STEAM (QL-C)
			STEAM (QL-B)
			STEAM FOR LABELED PIPE SIZES (QL-D)
			STEAM FOR LABELED PIPE SIZES (QL-C)
			STEAM FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER WITH FLOW DIRECTION (QL-B)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
			COMBINED SANITARY SEWER WITH FLOW DIRECTION
			GAS (QL-D)
			GAS (QL-C)
			GAS (QL-B)
			GAS FOR LABELED PIPE SIZES (QL-D)
			GAS FOR LABELED PIPE SIZES (QL-C)
			GAS FOR LABELED PIPE SIZES (QL-B)
			PETROLEUM (QL-D)
			PETROLEUM (QL-C)
			PETROLEUM (QL-B)
			PETROLEUM FOR LABELED PIPE SIZES (QL-D)
			PETROLEUM FOR LABELED PIPE SIZES (QL-C)
			PETROLEUM FOR LABELED PIPE SIZES (QL-B)
			TRAFFIC CONTROL (QL-D)
			TRAFFIC CONTROL (QL-C)
			TRAFFIC CONTROL (QL-B)

EXISTING	PROPOSED	TEMPORARY	EXISTING	PROPOSED	TEMPORARY
			<p>MISCELLANEOUS</p> <p>LOS ——— LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION</p> <p>TH TEST HOLE (QL-A ONLY)</p> <p>EOI END OF INFORMATION</p> <p>QUALITY LEVEL (QL) DELINEATION</p> <p>123 POLE ID</p> <p>001 SANITARY SEWER MANHOLE (SSMH) ID</p> <p>C123 CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)</p>		

**QUALITY LEVELS AND DEFINITIONS**

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

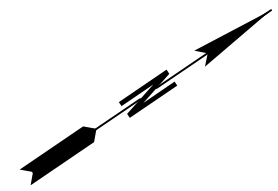
QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

**TELEPHONE PAIR SIZE TABLE**

TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN



REVISION DATES		UTILITY PLANS	
		NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0000	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

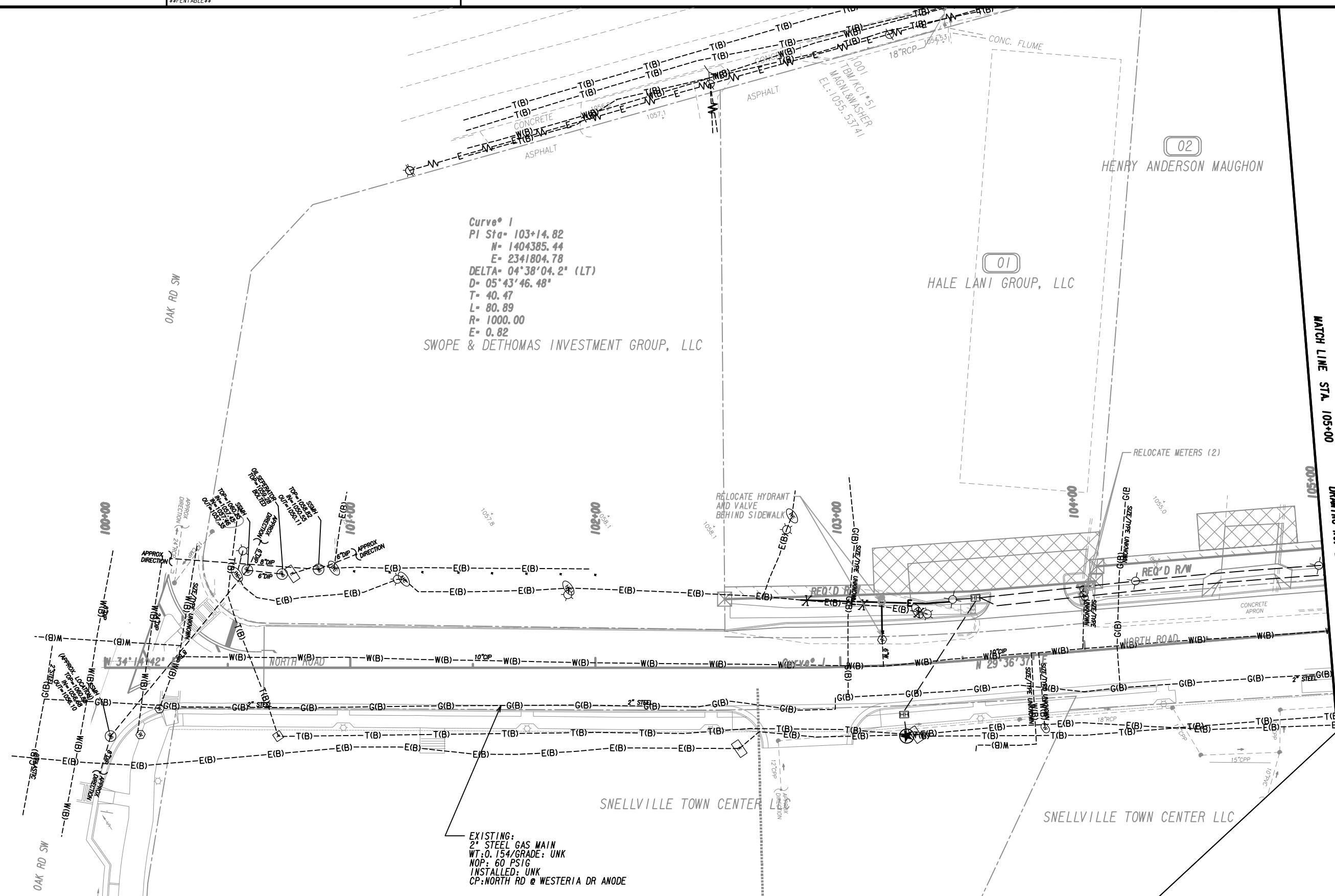


Curve 1  
 PI Sta= 103+14.82  
 N= 1404385.44  
 E= 2341804.78  
 DELTA= 04°38'04.2" (LT)  
 D= 05°43'46.48"  
 T= 40.47  
 L= 80.89  
 R= 1000.00  
 E= 0.82  
 SWOPE & DETHOMAS INVESTMENT GROUP, LLC

02  
HENRY ANDERSON MAUGHON

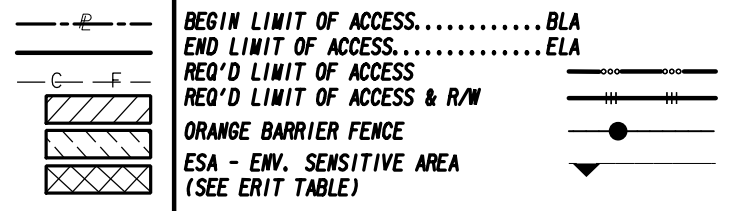
01  
HALE LANI GROUP, LLC

MATCH LINE STA. 105+00  
DRAWING No. 24-0002

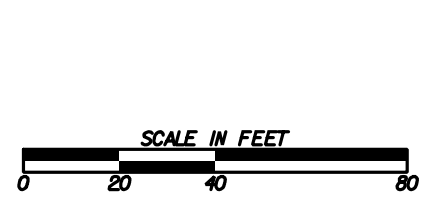


EXISTING:  
 2" STEEL GAS MAIN  
 WT: 0.154 / GRADE: UNK  
 NOP: 60 PSIG  
 INSTALLED: UNK  
 CP: NORTH RD @ WESTERIA DR ANODE

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



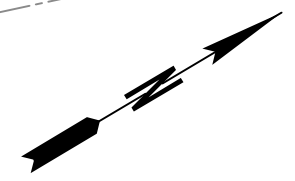
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REVISION DATES	

**UTILITY PLANS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**Curve 2**  
 PI Sta- 105+32.36  
 N- 1404574.61  
 E- 2341912.28  
 DELTA- 01°33'20.2" (RT)  
 D- 03°49'10.99"  
 T- 20.36  
 L- 40.73  
 R- 1500.00  
 E- 0.14

**Curve 3**  
 PI Sta- 108+68.20  
 N- 1404861.98  
 E- 2342086.09  
 DELTA- 04°32'50.9" (LT)  
 D- 02°01'41.41"  
 T- 112.17  
 L- 224.21  
 R- 2825.00  
 E- 2.23

**Curve 5**  
 PI Sta- 301+46.08  
 N- 1404793.22  
 E- 2341879.20  
 DELTA- 18°26'19.0" (LT)  
 D- 06°21'58.31"  
 T- 146.08  
 L- 289.63  
 R- 900.00  
 E- 11.78

CUT & CAP  
 TIE-INTO 2" STEEL GAS MAIN  
 WT: 0.154/GRADE: UNK  
 NOP: 60 PSIG  
 INSTALLED: UNK  
 INSTALL 17" ANODE AND TEST STATION

ADJUST VALVES  
 BOX (3)

NORTH ROAD SW  
 106+65.79 -  
 WISTERIA DR  
 300+00.00

RETIRED:  
 2" STEEL GAS MAIN  
 (ESTIMATED LOCATION)

DO NOT DISTURB EXIST. SIGN

ADJUST HYDRANT  
 TO GRADE

ADJUST VALVE  
 TO GRADE

PROPOSED:  
 855' X 2" PLASTIC  
 GAS MAIN  
 NOP: 60 PSIG

8-FT CEDAR FENCE  
 REPLACE IN KIND  
 SEE GENERAL NOTES

RELOCATE METERS  
 BEHIND CURB

PROPOSED:  
 115' X 2" PLASTIC GAS MAIN  
 NOP: 60 PSIG

PROPOSED:  
 360' X 2" PLASTIC  
 GAS MAIN  
 NOP: 60 PSIG

NORTH ROAD SW  
 106+76.63 -  
 WISTERIA DR  
 204+85.32

TIE INTO EXISTING SIDEWALK  
 107+94.80  
 ADJUST METERS  
 TO GRADE (2)

MAINTAIN EXIST. S/W  
 ENTRANCE WIDTH  
 EXTEND TO PROP. S/W  
 ADD 2' 9" x 9" STAIRS  
 0.5 CY CLASS A CONCRETE

DRAWING No. 24-0001

MATCH LINE STA. 105+00

MATCH LINE STA. 204+00

DRAWING No. 24-0003

MATCH LINE STA. 111+00

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

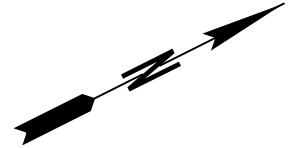
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 END LIMIT OF ACCESS.....ELA  
 REQ'D LIMIT OF ACCESS  
 REQ'D LIMIT OF ACCESS & R/W  
 ORANGE BARRIER FENCE  
 ESA - ENV. SENSITIVE AREA  
 (SEE ERIT TABLE)



REVISION DATES	

UTILITY PLANS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	





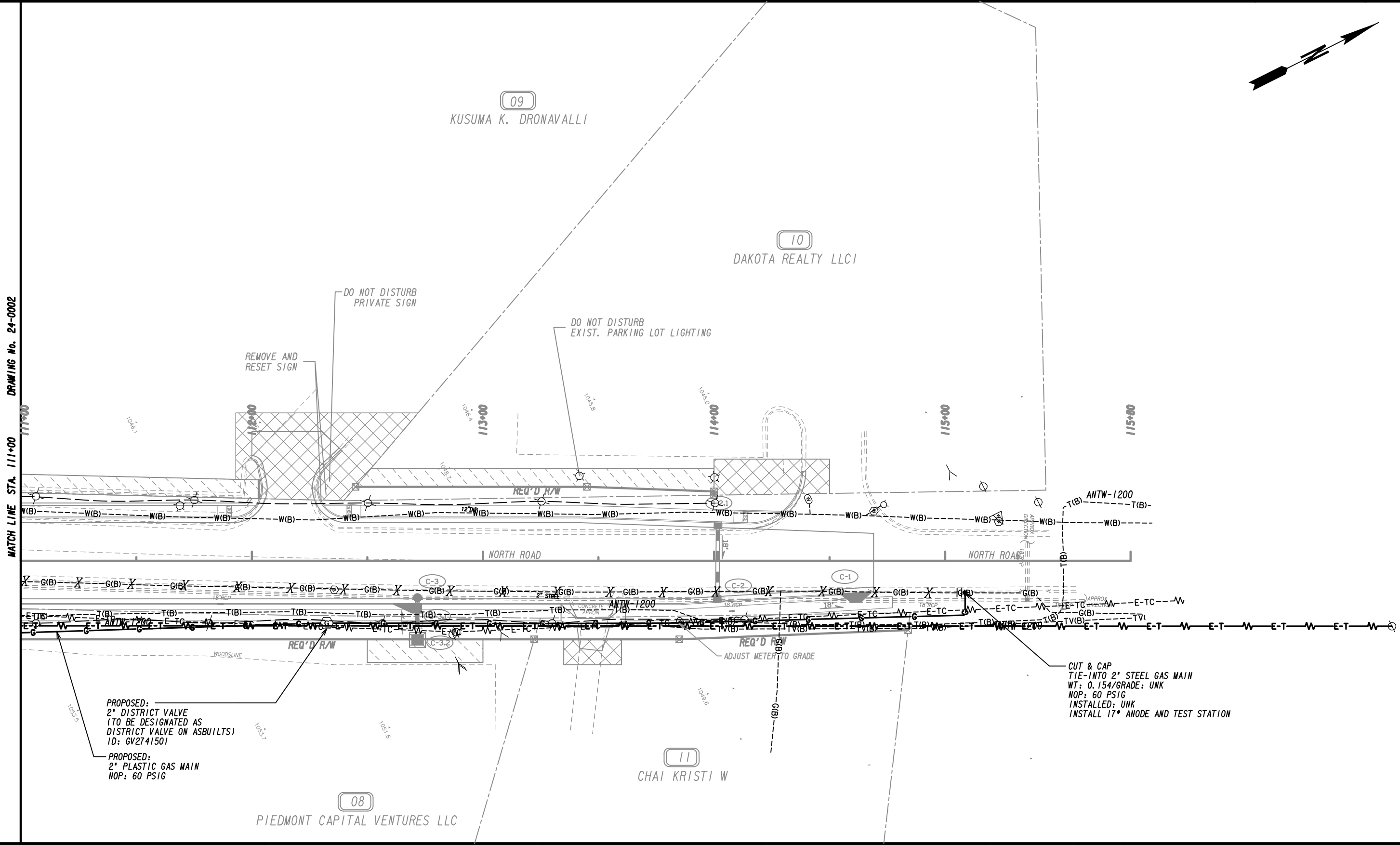
09  
KUSUMA K. DRONAVALLI

10  
DAKOTA REALTY LLC I

11  
CHAI KRISTI W

08  
PIEDMONT CAPITAL VENTURES LLC

DRAWING No. 24-0002  
MATCH LINE STA. 111+00

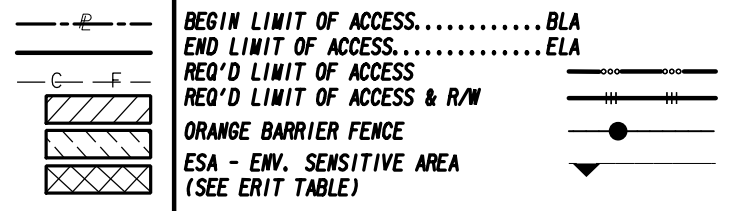


PROPOSED:  
2" DISTRICT VALVE  
(TO BE DESIGNATED AS  
DISTRICT VALVE ON ASBUILTS)  
ID: GV2741501

PROPOSED:  
2" PLASTIC GAS MAIN  
NOP: 60 PSIG

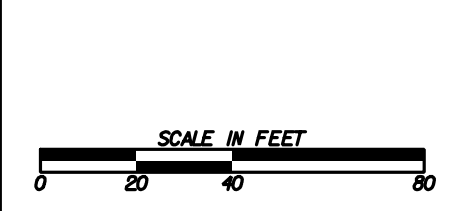
CUT & CAP  
TIE-INTO 2" STEEL GAS MAIN  
WT: 0.154/GRADE: UNK  
NOP: 60 PSIG  
INSTALLED: UNK  
INSTALL 17" ANODE AND TEST STATION

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



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REVISION DATES	

**UTILITY PLANS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:		DATE:		DRAWING No. <b>24-0003</b>
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

DATE##  
\$USER##

TIME##

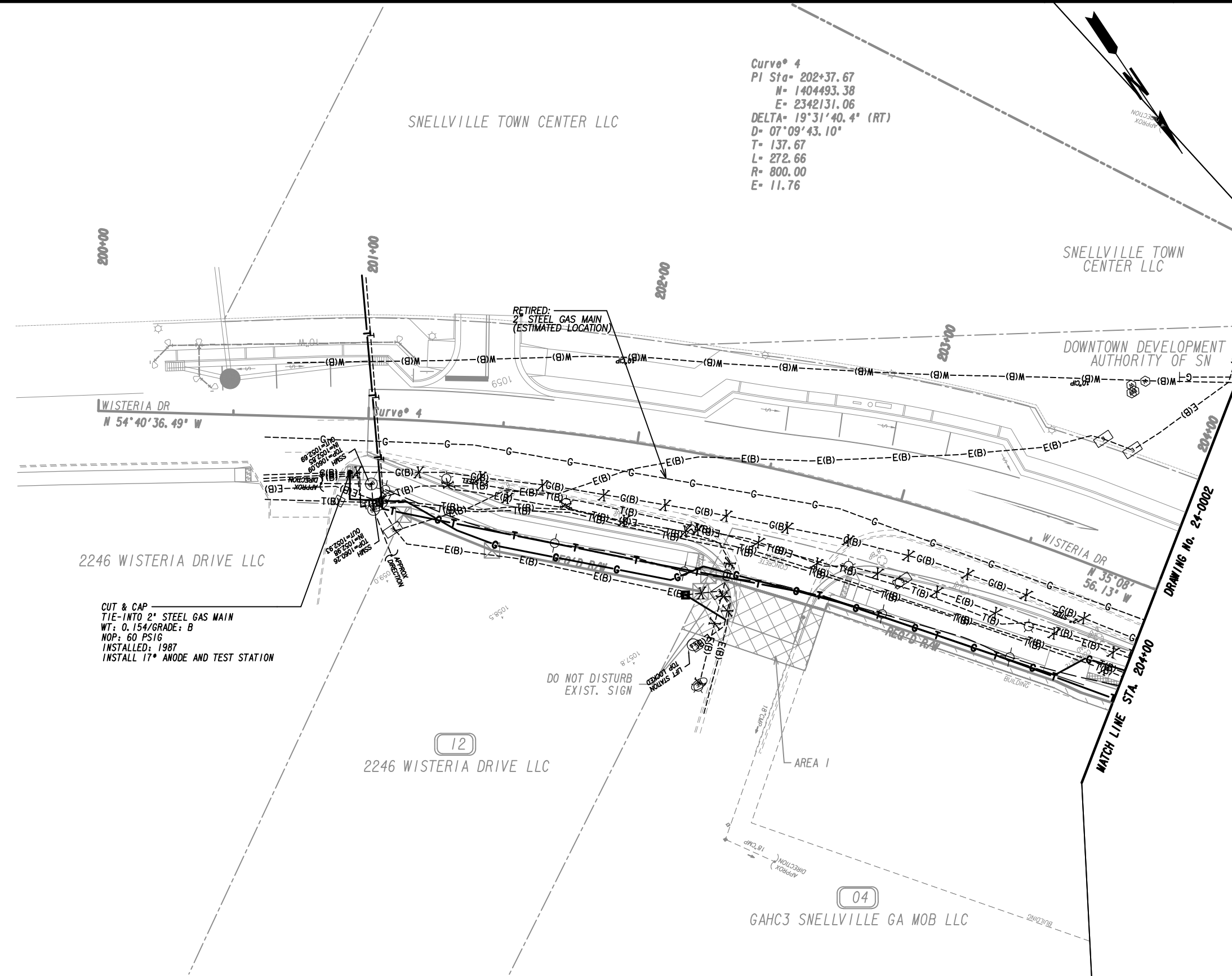
\$PRF##

##PENTABLE##

\$DGN#

CITY OF SNELLVILLE

Curve° 4  
 PI Sta- 202+37.67  
 N- 1404493.38  
 E- 2342131.06  
 DELTA- 19°31'40.4" (RT)  
 D- 07°09'43.10"  
 T- 137.67  
 L- 272.66  
 R- 800.00  
 E- 11.76



WISTERIA DR  
 N 54°40'36.49" W

2246 WISTERIA DRIVE LLC

CUT & CAP  
 TIE-INTO 2" STEEL GAS MAIN  
 WT: 0.154/GRADE: B  
 NOP: 60 PSIG  
 INSTALLED: 1987  
 INSTALL 17" ANODE AND TEST STATION

12  
 2246 WISTERIA DRIVE LLC

04  
 GAHC3 SNELLVILLE GA MOB LLC

DRAWING No. 24-0002

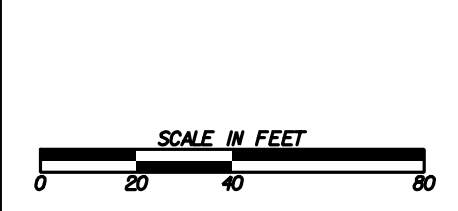
MATCH LINE STA. 204+00

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

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

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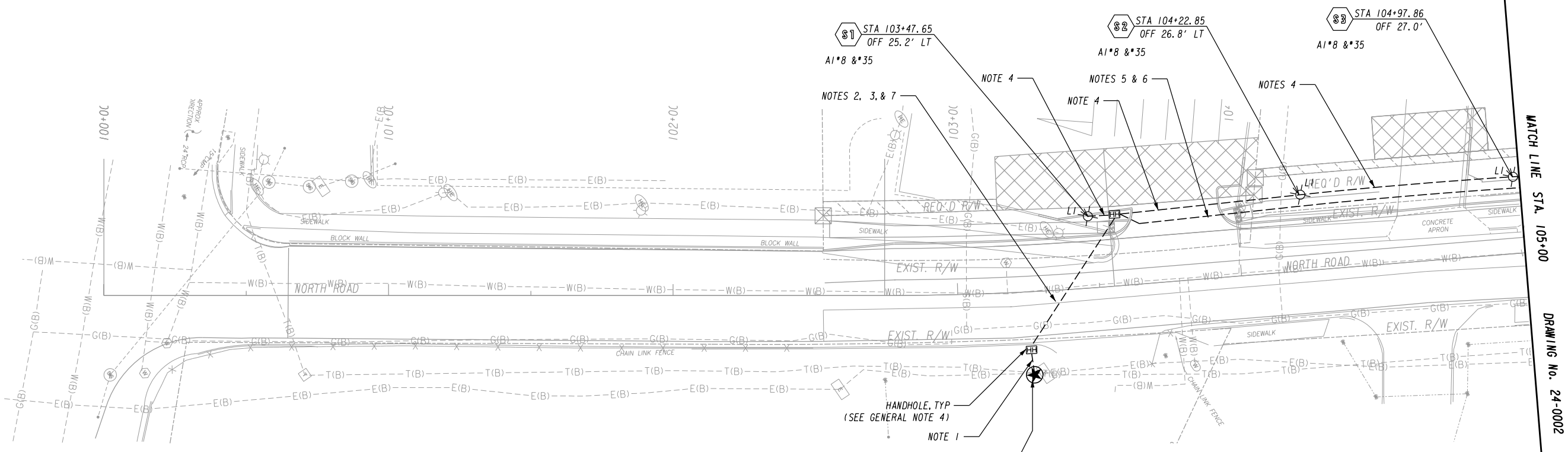
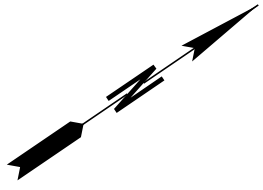
REVISION DATES	

**UTILITY PLANS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CONDUIT & CABLE NOTES

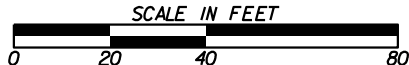
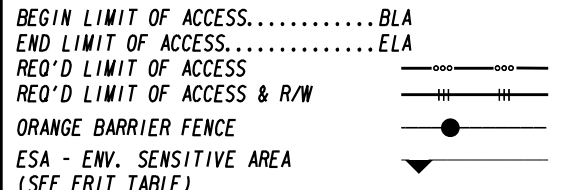
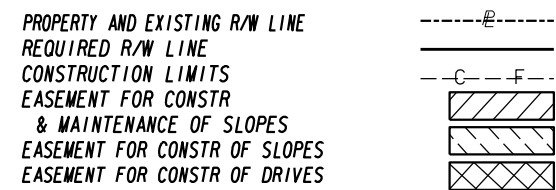
- NOTE 1. PROVIDE THE FOLLOWING CONDUITS AND CABLES:  
 2" EMT w/(2)#1/0 CKT A1#8 LTS,(2)#1 CKT A1#35 GFI & #1/0 G. FROM PANEL A1 TO CONTACTOR ENCLOSURE AND FROM ENCLOSURE TO BUILDING WALL.  
 2" EMT w/ 2)#3/0 CKT A1#38 GFI,(2)#3/0 CKT A1#40 GFI & #3/0 G. FROM PANEL A1 TO CONTACTOR ENCLOSURE AND FROM ENCLOSURE TO BUILDING WALL.  
 2" EMT w/(2)#1/0 CKT A1#36 LTS,(2)#1/0 CKT A1#42 GFI & #1/0 G. FROM PANEL A1 TO CONTACTOR ENCLOSURE AND FROM ENCLOSURE TO BUILDING WALL.  
 2" RMC w/(2)#1/0 CKT #8 LTS,(2)#1 CKT A1#35 GFI & #1/0 G. ROUTE DOWN OUTSIDE BUILDING WALL AND BELOW GROUND TO HANDHOLE.  
 2" RMC w/(2)#3/0 CKT A1#38 GFI,(2)#3/0 CKT A1#40 GFI, & #3/0 G. ROUTE DOWN OUTSIDE BUILDING WALL AND BELOW GROUND TO HANDHOLE.  
 2" RMC w/(2)#1/0 CKT A1#36 LTS,(2)#1/0 CKT A1#42 GFI, & #1/0 G. ROUTE DOWN OUTSIDE BUILDING WALL AND BELOW GROUND TO HANDHOLE.  
 2" EMT SPARE CONDUIT WITH PULL WIRE FROM PANEL A1 TO BUILDING WALL.  
 2" RMC SPARE CONDUIT WITH PULL WIRE. ROUTE DOWN OUTSIDE BUILDING WALL AND BELOW GROUND TO HANDHOLE.
- NOTE 2. PROVIDE 3" SCH 40 HDPE w/(2) #1,(6) #1/0 & #1/0 G.  
 NOTE 3. PROVIDE 3" SCH 40 HDPE w/(4) #3/0 & #3/0 G.  
 NOTE 4. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#8 LTS,(2) #1 CKT A1#35 GFI & #1/0 G.  
 NOTE 5. PROVIDE 2" SCH 40 HDPE w/(2) #3/0 CKT A1#38 GFI,(2) #3/0 CKT A1#40 GFI & #3/0, G.  
 NOTE 6. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#36 LTS,(2) #1/0 CKT A1#42 GFI & #1/0, G.  
 NOTE 7. PROVIDE 2" SCH 40 HDPE w/PULL WIRE BETWEEN HANDHOLES. CAP CONDUITS IN HANDHOLES.



GENERAL NOTES

- PROVIDE REINFORCED CONCRETE LIGHT POLE BASE AND ANCHOR BOLTS PER DETAIL 2 ON SHEET 25-005.
- PROVIDE TYPE L1 LIGHT POLE AND FIXTURE PER LIGHT FIXTURE SCHEDULE AND DETAIL 1 ON SHEET 25-0005.
- PROVIDE EXCAVATION AND BACKFILL COMPLETE.
- PROVIDE HANDHOLE PER DETAIL 3 ON 25-0005.
- EXISTING 400 AMP,208/120 VOLT PANEL A1 IN PARKING DECK SHALL REMAIN.UTILIZE SPARE 20A/1P CIRCUIT BREAKER #35 TO SUPPLY (9) GFI RECEPTACLES.PROVIDE (2) 20A/1P CIRCUIT BREAKERS IN AVAILABLE SPACES #8 & 36 TO SUPPLY POLE LIGHT FIXTURES.PROVIDE (3) 20A/1P CIRCUIT BREAKERS IN AVAILABLE SPACES #38,40 & 42 TO SUPPLY (24) GFI RECEPTACLES. VERIFY EXACT LOCATION OF PANEL AND CIRCUIT BREAKER NUMBER ON SITE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL BREAKERS NEEDED TO COMPLETE THE WORK.
- PROVIDE LIGHTING CONTACTOR INSIDE CONTACTOR ENCLOSURE
- UTILIZE EXISTING 120 VOLT PHOTOCELL ON PARKING DECK WALL AT +/- 20" AFG,TO CONTROL NEW POLE LIGHTS FIXTURES.
- PROVIDE 3/4" CONDUCTORS W/2 #12 GROUND FROM CIRCUIT BREAKER IN PANEL TO PHOTOCELL AND FROM PHOTOCELL TO LIGHTING CONTACTOR IN PULLBOX.
- ALL CONDUITS UNDER EXISTING PAVEMENT SHALL BE INSTALLED BY DIRECTIONAL BORING.
- WORK COMPLETED UNDER 5,6&7 SHALL BE PAID FOR UNDER PAY ITEM 682-2110 "ELECTRIC SERVICE POINT"

⬡#... LIGHT POLE (L1) LOCATION (SEE GENERAL NOTES 1-4)  
 A1#&#... IDENTIFIES PANEL & CIRCUIT BREAKERS TO SUPPLY GFI RECEPTACLE & LED LIGHT FIXTURE ON EACH POLE

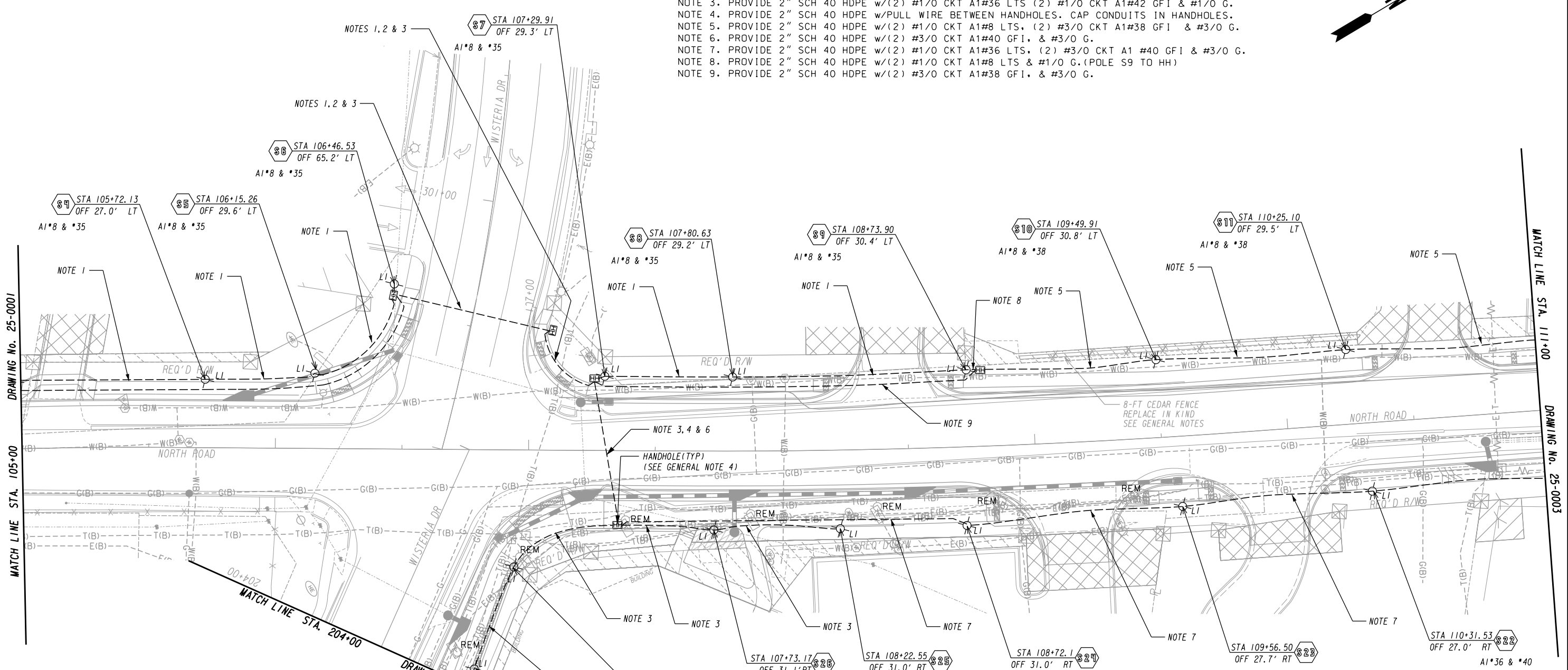
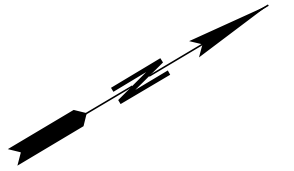


REVISION DATES	
9/30/24	

LIGHTING PLANS			
NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:	RB	DATE:	7/25/23
BACKCHECKED:		DATE:	
CORRECTED:	AAM	DATE:	7/25/23
VERIFIED:		DATE:	
			DRAWING No.
			25-0001

CONDUIT & CABLE NOTES

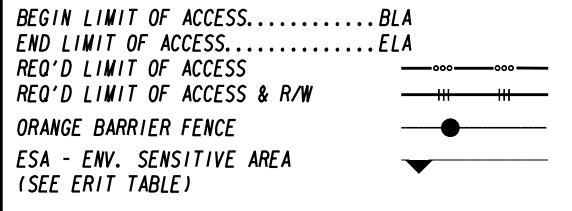
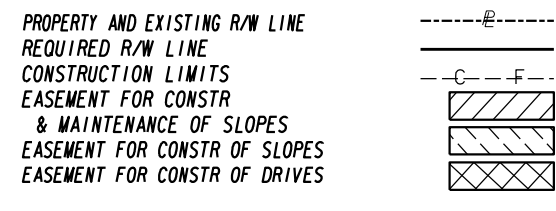
- NOTE 1. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#8 LTS, (2) #1 CKT A1#35 GF1 & #1/0 G.
- NOTE 2. PROVIDE 2" SCH 40 HDPE w/(2) #3/0 CKT A1#38 GF1 (2) #3/0 CKT A1#40 GF1 & #3/0 G.
- NOTE 3. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#36 LTS (2) #1/0 CKT A1#42 GF1 & #1/0 G.
- NOTE 4. PROVIDE 2" SCH 40 HDPE w/PULL WIRE BETWEEN HANDHOLES. CAP CONDUITS IN HANDHOLES.
- NOTE 5. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#8 LTS, (2) #3/0 CKT A1#38 GF1 & #3/0 G.
- NOTE 6. PROVIDE 2" SCH 40 HDPE w/(2) #3/0 CKT A1#40 GF1, & #3/0 G.
- NOTE 7. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#36 LTS, (2) #3/0 CKT A1 #40 GF1 & #3/0 G.
- NOTE 8. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#8 LTS & #1/0 G. (POLE S9 TO HH)
- NOTE 9. PROVIDE 2" SCH 40 HDPE w/(2) #3/0 CKT A1#38 GF1, & #3/0 G.



GENERAL NOTES

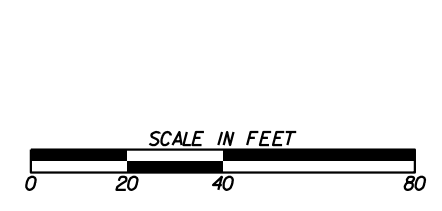
- 1. PROVIDE REINFORCED CONCRETE LIGHT POLE BASE AND ANCHOR BOLTS PER DETAIL 2 ON SHEET 25-005.
- 2. PROVIDE TYPE L1 LIGHT POLE AND FIXTURE PER LIGHT FIXTURE SCHEDULE AND DETAIL 1 ON SHEET 25-0005.
- 3. PROVIDE EXCAVATION AND BACKFILL COMPLETE.
- 4. PROVIDE HANDHOLE PER DETAIL 3 ON 25-0005.
- 5. ALL CONDUITS UNDER EXISTING PAVEMENT SHALL BE INSTALLED BY DIRECTIONAL BORING.

- REM ..... EXISTING LIGHT POLE TO BE REMOVED
- §## ..... LIGHT POLE (L1) LOCATION (SEE GENERAL NOTES 1-4)
- A1##&# ..... IDENTIFIES PANEL & CIRCUIT BREAKERS TO SUPPLY LED LIGHT FIXTURE & GF1 RECEPTACLE ON EACH POLE



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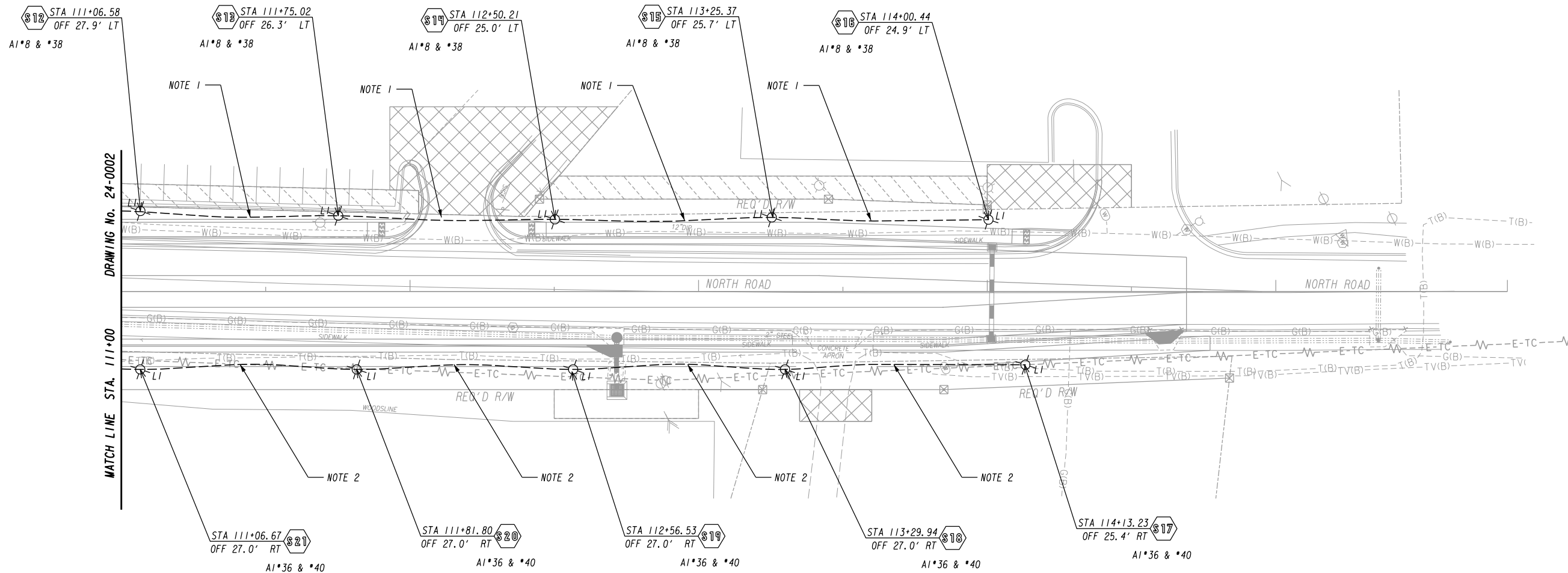
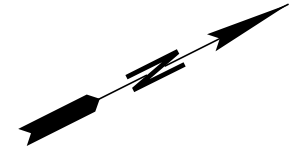
REVISION DATES	
8/27/24	

**LIGHTING PLANS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	RB	DATE:	7/25/23	DRAWING No. <b>25-0002</b>
BACKCHECKED:		DATE:		
CORRECTED:	AAM	DATE:	7/25/23	
VERIFIED:		DATE:		

CONDUIT & CABLE NOTES

- NOTE 1. PROVIDE 2" SCH 40 HDPE w/(2)#1/0 CKT A1#8 LTS,(2)#3/0 CKT A1#38 GF1 & #3/0 G.
- NOTE 2. PROVIDE 2" SCH 40 HDPE w/(2)#1/0 CKT A1#36 LTS,(2)#3/0 CKT A1#40 GF1 & #3/0 G.

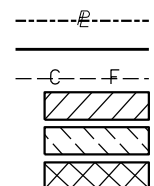


GENERAL NOTES

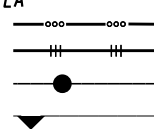
- 1. PROVIDE REINFORCED CONCRETE LIGHT POLE BASE AND ANCHOR BOLTS PER DETAIL 2 ON SHEET 25-005.
- 2. PROVIDE TYPE L1 LIGHT POLE AND FIXTURE PER LIGHT FIXTURE SCHEDULE AND DETAIL 1 ON SHEET 25-0005.
- 3. PROVIDE EXCAVATION AND BACKFILL COMPLETE.
- 4. ALL CONDUITS UNDER EXISTING PAVEMENT SHALL BE INSTALLED BY DIRECTIONAL BORING.

..... LIGHT POLE (L1) LOCATION (SEE GENERAL NOTES 1-4)  
 ..... IDENTIFIES PANEL & CIRCUIT BREAKERS TO SUPPLY LED LIGHT FIXTURE & GF1 RECEPTACLE ON EACH POLE

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

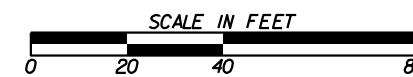


BEGIN LIMIT OF ACCESS.....BLA  
 END LIMIT OF ACCESS.....ELA  
 REQ'D LIMIT OF ACCESS  
 REQ'D LIMIT OF ACCESS & R/W  
 ORANGE BARRIER FENCE  
 ESA - ENV. SENSITIVE AREA  
 (SEE ERIT TABLE)



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REVISION DATES

NO.	DATE	DESCRIPTION

**LIGHTING PLANS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

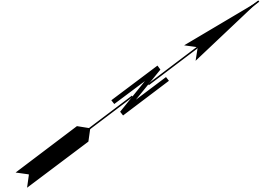
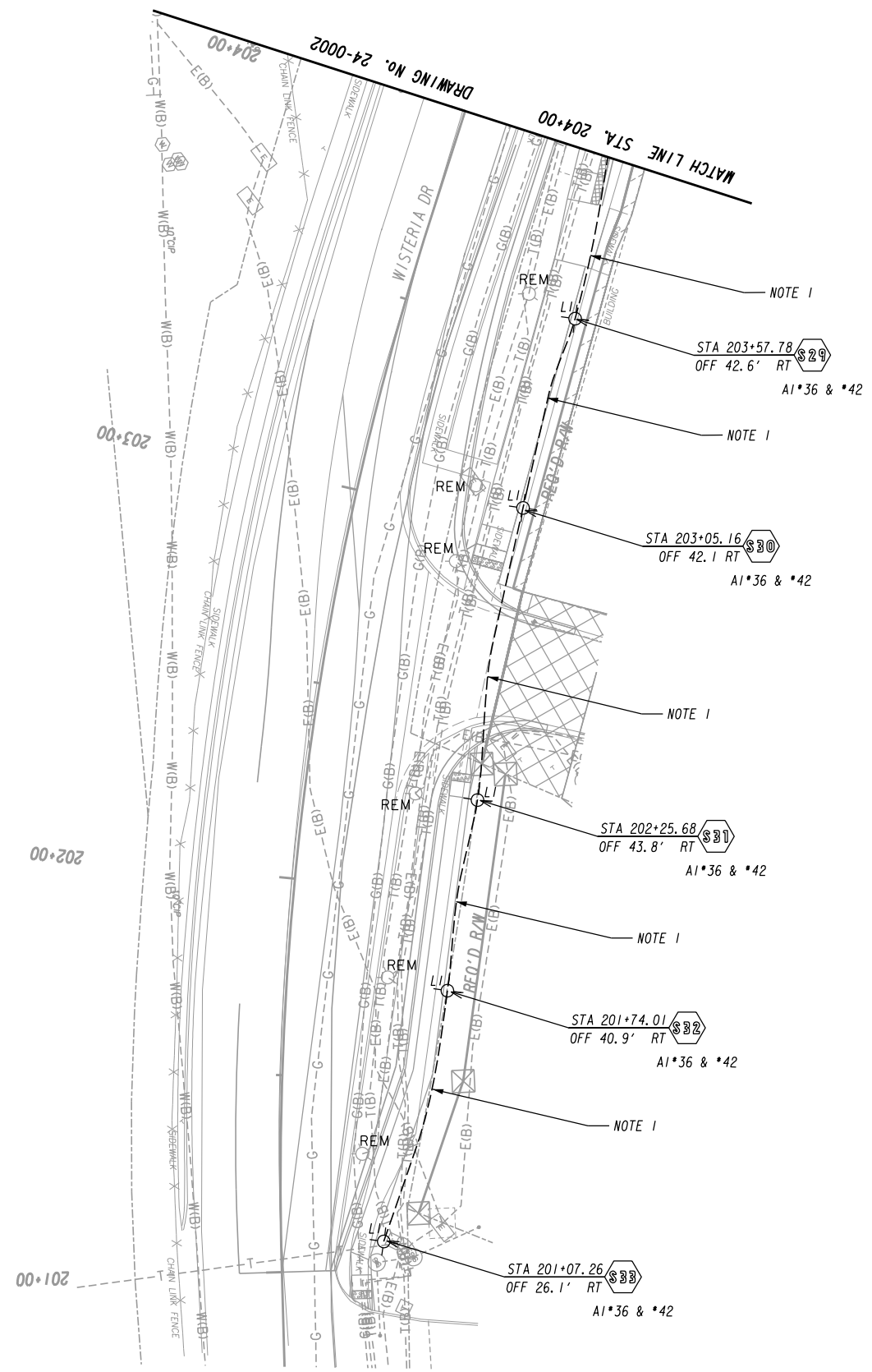
CHECKED:	RB	DATE:	7/25/23	DRAWING No.
BACKCHECKED:		DATE:		25-0003
CORRECTED:	AAM	DATE:	7/25/23	
VERIFIED:		DATE:		

CONDUIT & CABLE NOTES

NOTE 1. PROVIDE 2" SCH 40 HDPE w/(2) #1/0 CKT A1#36 LTS  
(2) #1/0 CKT A1#42 GF1 & #1/0 G.

GENERAL NOTES

1. PROVIDE REINFORCED CONCRETE LIGHT POLE BASE AND ANCHOR BOLTS PER DETAIL 2 ON SHEET 25-005.
2. PROVIDE TYPE L1 LIGHT POLE AND FIXTURE PER LIGHT FIXTURE SCHEDULE AND DETAIL 1 ON SHEET 25-0005.
3. PROVIDE EXCAVATION AND BACKFILL COMPLETE.
4. ALL CONDUITS UNDER EXISTING PAVEMENT SHALL BE INSTALLED BY DIRECTIONAL BORING.



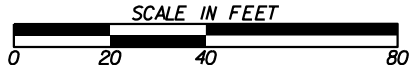
REM ..... EXISTING LIGHT POLE TO BE REMOVED  
 (S##) ..... LIGHT POLE (L1) LOCATION (SEE GENERAL NOTES 1-4)  
 A1##&## ..... IDENTIFIES PANEL & CIRCUIT BREAKERS TO SUPPLY LED LIGHT FIXTURE & GFI RECEPTACLE ON EACH POLE

PROPERTY AND EXISTING R/W LINE	-----E-----
REQUIRED R/W LINE	-----
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

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

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REVISION DATES	
8/27/24	

**LIGHTING PLANS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

CHECKED:	RB	DATE:	7/25/23	DRAWING No.
BACKCHECKED:		DATE:		25-0004
CORRECTED:	AAM	DATE:	7/25/23	
VERIFIED:		DATE:		

ELECTRICAL ABBREVIATIONS		KW	KILOWATT
A	AMPERE	MAX	MAXIMUM
AC	ALTERNATING CURRENT	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE		
BCW	BARE COPPER WIRE	N	NEUTRAL
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE 2020
CB	CIRCUIT BREAKER	No./#	NUMBER
CL	CENTER LINE	*	PHASE
DIA	DIAMETER	RMC	RIGID METAL CONDUIT
DWG	DRAWING	TYP	TYPICAL
EGC	EQUIPMENT GROUNDING CONDUCTOR	UN	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPS	V	VOLT, VOLTS
FT	FOOT (FEET)	W	WATT, WIRE
G. GND	GROUND	W/	WITH
GF I	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF
HDPE	HIGH DENSITY POLYETHYLENE		
HH	HANDHOLE		

LIGHT FIXTURE SCHEDULE									
SYMBOL	TAG	DESCRIPTION	MOUNTING	LAMP(S)	DRIVER	VOLTS	INPUT WATTS	MANUFACTURER, SERIES, OR MODEL NUMBER	NOTES
	L1	LIGHT POLE WITH ONE LED AREA LIGHT FIXTURE, ONE GFI RECEPTACLE WITH WEATHERPROOF COVER AND TWO PIPE BANNER ASSEMBLIES.	ROUND STEEL POLE FIXTURE HEIGHT ±14' AFG	LED	LIGHT ENGINE	120	75W PER FIXTURE	PROVIDE POLE AND LIGHT FIXTURE THAT IS EXACT MATCH TO EXISTING STREET LIGHTING	1

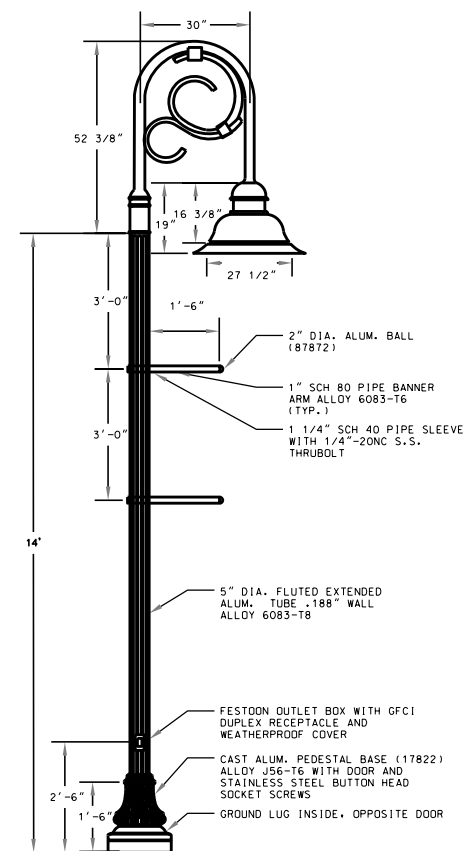
NOTES:  
1. PROVIDE REINFORCED CONCRETE BASE PER DETAIL 2.

GENERAL NOTES:

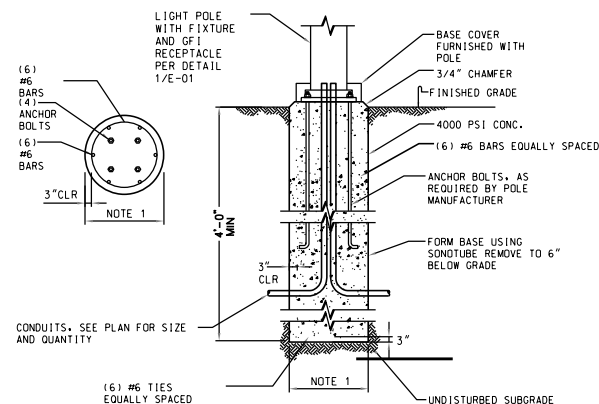
- GENERAL NOTES ON THIS DRAWING APPLY TO ALL ELECTRICAL DRAWINGS.
  - ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
  - THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE INSTALLATION FOR ALL WORK SHOWN ON THE ELECTRICAL SERIES OF DRAWINGS. ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE PROJECT DRAWINGS AND SPECIFICATIONS AND WITH APPLICABLE ARTICLES IN THE NATIONAL ELECTRICAL CODE 2020. IF A CONFLICT EXISTS BETWEEN THE CONSTRUCTION DOCUMENTS AND THE NATIONAL, STATE OR LOCAL CODES, THE MORE STRINGENT OF THESE REQUIREMENTS SHALL APPLY.
  - REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER TRADES.
  - CIRCUITRY SHOWN IS DIAGRAMMATIC UNLESS OTHERWISE NOTED. EXACT LOCATION OF ALL CONDUITS, RACEWAYS, BOXES, EQUIPMENT, SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH OTHER UNDERGROUND UTILITIES. SOME REQUIRED BRANCH CIRCUITRY MAY NOT BE SHOWN FOR CLARITY. PROVIDE CONDUIT AND CABLES COMPLETE FROM SOURCE EQUIPMENT FIXTURES, DEVICES, ETC. BEING SERVED.
  - PROVIDE ALL FIXTURES, RACEWAYS, SUPPORTS, BRANCH CIRCUITRY, ACCESSORIES, ETC. SHOWN, NOTED AND/OR INDICATED ON ELECTRICAL PLANS AND DIAGRAMS.
  - AWG CONDUCTOR SIZES LISTED ON THESE DRAWINGS ARE BASED ON NEC 75° AMPACITY RATINGS. HOWEVER, PROVIDE 90° C RATED COPPER CONDUCTORS FOR ALL WIRING INSTALLATIONS. WHERE OVERSIZED CONDUCTORS ARE REQUIRED TO LIMIT VOLTAGE DROP AS REQUIRED BY NEC, PROVIDE MATERIALS THAT ARE LISTED AND LABELED FOR THAT USE TO TERMINATE CONDUCTORS AT EQUIPMENT, FIXTURES, DEVICES, ETC. THAT ARE LISTED AND LABELED FOR THE INTENDED PURPOSE.
  - ALL ELECTRICAL EQUIPMENT, FIXTURES, DEVICES, MATERIALS, ETC. SHALL BE LISTED AND LABELED BY A CERTIFIED TESTING LABORATORY OR AGENCY AS REQUIRED BY THE NATIONAL ELECTRICAL CODE 2020.
  - HANDHOLES SHOWN ON SITE ELECTRICAL PLANS REPRESENT THE MINIMUM PROJECT REQUIREMENTS. PROVIDE ADDITIONAL HANDHOLES AS REQUIRED BY PROJECT CONDITIONS.
- CONDUIT ABOVE GROUND EXPOSED IN UNFINISHED SPACE AND CONCEALED IN FINISHED ROOMS MINIMUM CONDUIT SHALL BE 3/4" INCH TRADE SIZE AND MINIMUM WIRE SIZE SHALL BE #12 AWG. TYPICAL ALL INSTALLATIONS. NOTES: WHERE LARGER SIZE WIRES ARE CALLED FOR TO LIMIT VOLTAGE DROP, PROVIDE SIZE AS NOTED TO LAST DEVICE OR FIXTURE ON THE CIRCUIT. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN EACH AND EVERY CONDUIT INSTALLED. DO NOT SHARE NEUTRAL CONDUCTORS. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120 VOLT BRANCH CIRCUIT.

----- DASHED LINES INDICATE CONDUITS BELOW GROUND

- DEVICES AND APPURTENANCES**
- HH HANDHOLE WITH TIER 10 COVER, MINIMUM SIZE 12" WIDE, 24" LONG 18" DEEP. PROVIDE LARGER HANDHOLE AS REQUIRED BY NEC.
- POWER DISTRIBUTION EQUIPMENT**
- EXISTING PANEL 208/120V, 3Ø, 4W, SHALL REMAIN.
- ONE LINE DIAGRAMS**
- MOLDED CASE CIRCUIT BREAKER
  - PLAN AND DETAIL CALLOUTS
- LIGHTING**
- SEE LIGHT FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS
- LIGHTING CONTROL**
- PC 120 VOLT PHOTOCELL



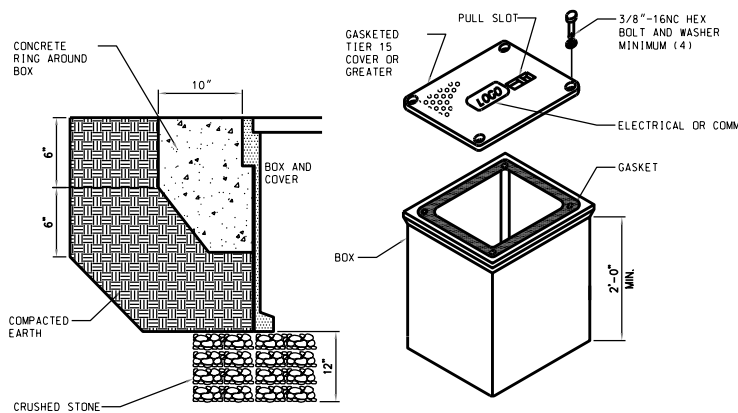
1 LIGHT POLE DETAIL  
NOT TO SCALE



LIGHT POLE CONCRETE BASE DETAIL NOTES:

- PROVIDE REINFORCED CONCRETE LIGHT POLE BASES PER PLANS. MINIMUM DIAMETER OF EACH BASE SHALL BE 24 INCHES AND THE HEIGHT OF EXPOSED CONCRETE BASE ABOVE FINISHED SURFACES SHALL BE 1 INCH.
- BOLT LENGTH, DIAMETER, LAYOUT & INSTALLATION PROCEDURE AS PER LIGHT POLE MANUFACTURER'S SPECIFICATIONS. 3. PIER SHALL BEAR ON VIRGIN SOIL OR BEDROCK. SHOULD MISCELLANEOUS DEBRIS, OR BURIED ORGANICS BE ENCOUNTERED, EXTEND PIER 1' BELOW DEBRIS OR 6'-0" BELOW GRADE, WHICHEVER IS GREATER.
- CONCRETE: f'c=4000 psi, MAX w/c RATIO = 0.44, ENTRAINED AIR = 6% ±2%, SLUMP = 3"±1".
- DRILL MINIMUM DIAMETER HOLE FOR CONCRETE PLACEMENT. DO NOT OVEREXCAVATE AND BACKFILL.
- PLACE CONCRETE FROM THE BOTTOM OF THE SONOTUBE USING A TREMIE. RAISE TREMIE AS CONCRETE PLACEMENT ADVANCES. DO NOT ALLOW CONCRETE TO FREE-FALL TO BOTTOM OF FOUNDATION.
- CENTER CONDUITS BETWEEN REINFORCEMENT TO PROVIDE MAXIMUM CONCRETE COVER OF BARS.
- PROVIDE IN LINE FUSES FOR EACH FIXTURE. SIZE PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE 5/8" x 10" COPPER CLAD STEEL GROUND ROD AT EACH BASE. CADWELD #6 AWG BCW TO GROUND ROD. PROVIDE MECHANICAL CONNECTION TO STEEL BARS IN BASE. EXTEND TO GROUND LUG IN LIGHT POLE. GROUND RODS AND BCW NOT SHOWN FOR CLARITY.

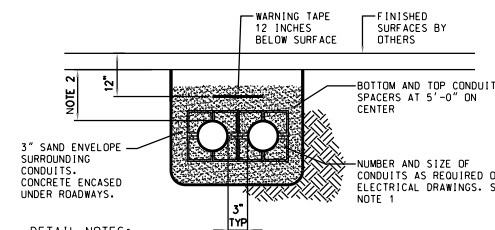
2 CONCRETE BASE FOR LIGHT POLES  
NOT TO SCALE



DETAIL NOTES:

- SIZE HANDHOLE AT EACH LOCATION PER NEC REQUIREMENTS. MINIMUM SIZE SHALL BE 18" X 18" X 24".
- PROVIDE ALL CONDUITS WITH A PULL ROPE.
- PROVIDE EXCAVATION AND BACKFILL COMPLETE. SITE REPAIR BY OTHER TRADES.

3 HANDHOLE AND COVER  
NOT TO SCALE



DETAIL NOTES:

- COORDINATE PLACEMENT OF NEW CONDUITS AND HANDHOLES WITH REMOVAL OF EXISTING SURFACES AND PLACEMENT OF NEW SURFACES.
- MINIMUM 30 INCHES BELOW GRADE OR 6 INCHES BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.
- PROVIDE EXCAVATION AND BACKFILL COMPLETE. SITE REPAIR BY OTHER TRADES.

4 UNDERGROUND CONDUIT INSTALLATION DETAIL  
NOT TO SCALE

REVISION DATES

NO.	DATE	DESCRIPTION

LIGHTING PLANS

NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	RB	DATE:	7/25/23	DRAWING No. <b>25-0005</b>
BACKCHECKED:		DATE:		
CORRECTED:	AAM	DATE:	7/25/23	
VERIFIED:		DATE:		

**GENERAL DRAWING NOTES:**

- A. THE ELECTRICAL SERVICE AND DISTRIBUTION PANELS IN THE PARKING DECK SHALL REMAIN.
- B. NOT ALL EXISTING ELECTRICAL EQUIPMENT IN THE PARKING DECK IS SHOWN ON THIS DIAGRAM FOR CLARITY. ALL EXISTING EQUIPMENT AND FEEDERS SHALL REMAIN IN PLACE AND OPERATIONAL UNLESS OTHERWISE REQUIRED TO SAFELY EXECUTE THE SCOPE OF WORK FOR THIS PROJECT.
- C. NOTIFY THEE OWNER'S REPRESENTATIVE IN WRITING, ONE WEEK IN ADVANCE OF ANY INTERRUPTIONS TO THE ELECTRICAL SERVICE AND/OR TO THE EXISTING DISTRIBUTION SYSTEMS.
- D. COORDINATE WITH AND OBTAIN WRITTEN PERMISSION FROM AN AUTHORIZED REPRESENTATIVE OF THE OWNER PRIOR TO ANY INTERRUPTION OF POWER TO THE EXISTING ELECTRICAL DISTRIBUTION SYSTEMS.
- E. REFER TO ELECTRICAL SITE PLANS FOR LIGHT POLE LOCATIONS AND FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- F. NEUTRAL CONDUCTORS ARE NOT SHOWN ON THIS DIAGRAM FOR CLARITY.

**ELECTRICAL ONE LINE DIAGRAM NOTES:**

- 1. EXISTING 400 AMP, 208/120 VOLT PANEL A1 SHALL REMAIN. UTILIZE SPARE 20A/1P CIRCUIT BREAKER #35 AND PROVIDE 20A/1P CIRCUIT BREAKERS IN AVAILABLE SPACES #8, #36, #38, #40 & #42 TO SUPPLY THE LOADS LISTED BELOW:  
 CB #8 - (16) LED LIGHT FIXTURES ON POLES S1 - S16.  
 CB #35 - (9) GFI RECEPTACLES ON POLES S1 - S9.  
 CB #36 - (17) LED LIGHT FIXTURES ON POLES S17 - S33.  
 CB #38 - (7) GFI RECEPTACLES ON POLES S10 - S16.  
 CB #40 - (8) GFI RECEPTACLES ON POLES S17 - S24.  
 CB #42 - (9) GFI RECEPTACLES ON POLES S25 - S33.
- 2. EXISTING HANDHOLE OUTSIDE THE PARKING GARAGE TO REMAIN.
- 3. PROVIDE CONDUITS AND CABLES FROM PARKING GARAGE PANEL A1 TO NEW HANDHOLE AS NOTED ON SHEET 25-0001.
- 4. PROVIDE CONDUITS AND WIRING COMPLETE FROM HANDHOLE TO LIGHT POLES AS SHOWN ON SITE ELECTRICAL PLANS AND DETAILS. MAKE UP ALL CABLE SPLICES WITH WATERPROOF MATERIALS IN HANDHOLES.
- 5. PROVIDE 20 AMP, 120 VOLT, TWO POLE LIGHTING CONTACTOR WITH 120 VOLT COIL. INSTALL ON DIN RAILS IN EXISTING NEMA 1 CONTACTOR ENCLOSURE. COORDINATE EXACT INSTALLED LOCATION IN ELECTRIC ROOM 002 WITH PARKING GARAGE ELECTRICAL CONTRACTOR.

THE FOLLOWING LIST OF MATERIALS ARE "FOR INFORMATION ONLY" AND SHOULD BE VERIFIED BY THE CONTRACTOR .

ELECTRICAL MATERIALS LIST			
ITEM NO	ITEM DESCRIPTION	UNITS	QUANTITY
680-4200	STREET LIGHT POLE W/ GFI RECEPTACLE BANNER POST & ANCHOR BOLTS (RTA500F-14-BAS18(2)-GFI1-BRTX)	EA	33
680-5245	DECORATIVE LIGHT POLE ARM (NM-1A-BRTX)	EA	33
680-6130	LUMINAIRE, TP3, 75W, LED (DMS50-C-140L1675NW-G1-3-UNV-DMG-BRTX)	EA	33
680-7010	REMOVAL OF LIGHT: INCL LIGHT POLES & WIRING THAT SUPPLY EXISTING LIGHT FIXTURES	EA	13
*682-1409	CABLE, TP XHHW, AWG NO. 1	LF	1200
*682-1413	CABLE, TP XHHW, AWG NO 1/0	LF	8330
*682-1414	CABLE, TP XHHW, AWG NO 3/0	LF	4670
682-2110	ELECTRICAL SERVICE POINT	EA	1
682-6120	CONDUIT, RIGID, 2 IN	LF	400
682-6233	CONDUIT, NONMETL, TP 3.2 IN	LF	3650
682-6255	CONDUIT, NONMETL, TP 3.3 IN	LF	120
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	7
682-9950	DIRECTIONAL BORE- 7 IN	LF	60
682-9950	DIRECTIONAL BORE- 9 IN	EA	60
**	20 AMP, 120 VOLT, 2-POLE LIGHTING CONTACTOR	EA	5
**	20 AMP, 1-POLE CIRCUIT BREAKER	EA	5
**	5/8" x 10' COPPER CLAD STEEL GROUND ROD	LF	33
**	#6 AWG BARE COPPER WIRE	LF	330
**	CADWELD CONNECTION	EA	33
**	COMPRESSION CONNECTION #6AWG BCW TO REBAR	EA	33

\* ALL ELECTRICAL CONDUCTORS SHALL BE MADE OF COPPER

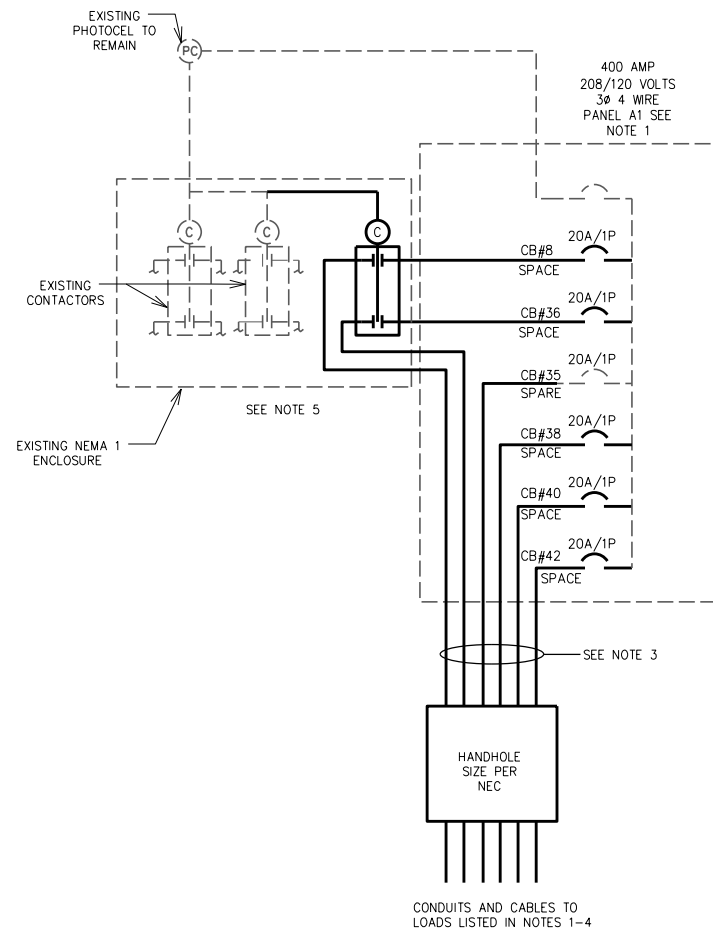
\*\* THESE MATERIALS ARE LISTED FOR INFORMATION PURPOSES ONLY. THEY ARE NOT TO BE PAID SEPARATELY BUT AS PART OF THE WORK COMPLETE.

**ELECTRICAL LOAD CALCULATIONS:**

**SUMMARY OF LOADS ADDED TO NEW ELECTRICAL SERVICE AT PARKING DECK:**

- (16) 75 WATT POLE MOUNTED LIGHT FIXTURES - 1200 TOTAL WATTS - 10.0 AMPS @ 120 VOLTS
- (17) 75 WATT POLE MOUNTED LIGHT FIXTURES - 1275 TOTAL WATTS - 10.6 AMPS @ 120 VOLTS
- (33) GFI RECEPTACLES - 180 VA PER RECEPTACLE - 5.94 KVA - 16.5 AMPS @ 208V 3\*

NOTE: EMC BILLING RECORDS IDENTIFY THE MAXIMUM DEMAND ON THE 800 AMP ELECTRICAL SERVICE AS 43.2 KW. ASSUMED POWER FACTOR FOR CALCULATION .85;  $43.2 \times 1000 / (208 \times 1.732 \times .85 \text{ PF}) = 141 \text{ AMP}$ . THE EXISTING 800 AMP SERVICE AND THE 400 AMP PANEL A1 EACH HAVE ENOUGH USABLE SPARE CAPACITY TO SUPPORT THE 37.1 AMP LOAD ADDED BY THIS PROJECT.



**LINE TYPE LEGEND:**

- EXISTING EQUIPMENT AND DEVICES SHALL REMAIN
- NEW EQUIPMENT TO BE PROVIDED BY THIS PROJECTS ELECTRICAL CONTRACTOR

**1 ELECTRICAL ONE LINE DIAGRAM**  
SCALE: NOT TO SCALE

REVISION DATES	
09/30/24	

LIGHTING PLANS			
NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:	RB	DATE:	7/25/23
BACKCHECKED:		DATE:	
CORRECTED:	AAM	DATE:	7/25/23
VERIFIED:		DATE:	
			DRAWING No.
			25-0006



- NOTES:**
- 1. RAISED PAVEMENT MARKERS SHOULD BE PLACED AS FOLLOWS:
    - TYPE 1 (YELLOW) @ 40' O.C. FOR 5' SOLID YELLOW
    - TYPE 3 (CLEAR/RED) 15' FROM SKIP BETWEEN THROUGH LANES
    - NO RAISED PAVEMENT MARKERS LOCATED ALONG 2'-6" SKIP OR 3'-9" SKIP
    - TYPE 3 (CLEAR/RED) EVERY 20' ON SOLID WHITE TURN BAY LINES
    - 2 EACH TYPE 1 (YELLOW) @ 40' SPACING AROUND BORDER (FOR DETAIL 'B' YELLOW)
    - 2 EACH TYPE 3 (CLEAR/RED) @ 20' SPACING AROUND BORDER (FOR DETAIL 'B' WHITE)
- SEE GDOT DETAIL T-15A

**Curve 1**  
 PI Sta= 103+14.82  
 N= 1404385.44  
 E= 2341804.78  
 DELTA= 04°38'04.2" (LT)  
 D= 05°43'46.48"  
 T= 40.47  
 L= 80.89  
 R= 1000.00  
 E= 0.82

**OWI-1**  
 (18"X18")  
 YELLOW REFLECTOR  
 UNIT OBJECT MARKER  
 STA. 102+52.83, 16.02' LT

BEGIN PROPOSED STRIPING  
 STA. 100+64.63  
 TIE TO EXISTING

DETAIL 'B' YELLOW  
 377 SY  
 TYPE 2 ARROW (TYP)  
 TYPE 1 WORD (TYP)

5' WET-WEATHER  
 THERMO SOLID WHITE

5' WET-WEATHER THERMO  
 SOLID DOUBLE YELLOW

5' WET-WEATHER  
 THERMO SOLID WHITE

MATCH LINE STA. 105+00

DRAWING No. 26-0002

OAK RD SW

OAK RD SW

N 34°14'42" E

NORTH ROAD

NORTH ROAD

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**REVISION DATES**

09/30/24	

**SIGNING AND MARKING PLANS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

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

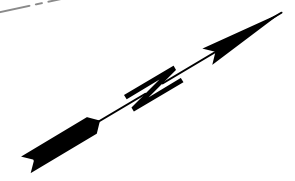
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**NOTES:**  
 1. RAISED PAVEMENT MARKERS SHOULD BE PLACED AS FOLLOWS:  
 - TYPE 1 (YELLOW) @ 40' O.C. FOR 5" SOLID YELLOW  
 - TYPE 3 (CLEAR/RED) 15' FROM SKIP BETWEEN THROUGH LANES  
 - NO RAISED PAVEMENT MARKERS LOCATED ALONG 2'-6" SKIP OR 3'-9" SKIP  
 - TYPE 3 (CLEAR/RED) EVERY 20' ON SOLID WHITE TURN BAY LINES  
 - 2 EACH TYPE 1 (YELLOW) @ 40' SPACING AROUND BORDER (FOR DETAIL 'B' YELLOW)  
 - 2 EACH TYPE 3 (CLEAR/RED) @ 20' SPACING AROUND BORDER (FOR DETAIL 'B' WHITE)  
 SEE GDOT DETAIL T-15A  
 2. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH OR REDUNDANT TO THE PROPOSED SIGNS SHALL BE REMOVED.

**Curve 2**  
 PI Sta- 105+32.36  
 N= 1404574.61  
 E= 2341912.28  
 DELTA= 01°33'20.2" (RT)  
 D= 03°49'10.99"  
 T= 20.36  
 L= 40.73  
 R= 1500.00  
 E= 0.14

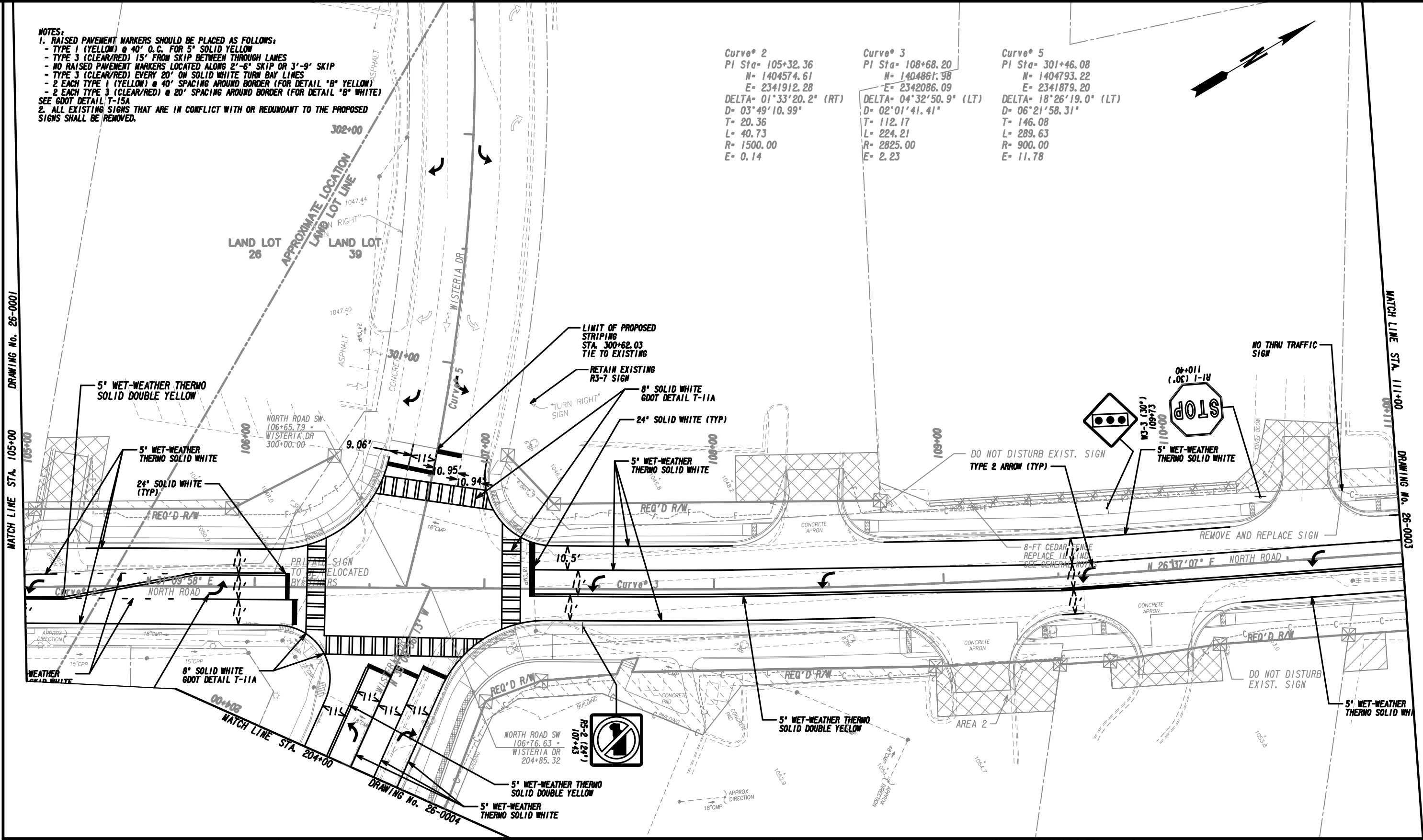
**Curve 3**  
 PI Sta- 108+68.20  
 N= 1404861.98  
 E= 2342086.09  
 DELTA= 04°32'50.9" (LT)  
 D= 02°01'41.41"  
 T= 112.17  
 L= 224.21  
 R= 2825.00  
 E= 2.23

**Curve 5**  
 PI Sta- 301+46.08  
 N= 1404793.22  
 E= 2341879.20  
 DELTA= 18°26'19.0" (LT)  
 D= 06°21'58.31"  
 T= 146.08  
 L= 289.63  
 R= 900.00  
 E= 11.78



DRAWING No. 26-0001

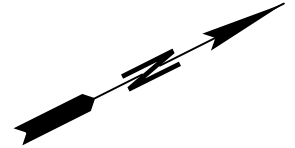
MATCH LINE STA. 11+00



REVISION DATES		SIGNING AND MARKING PLANS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
CORRECTED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 26-0002	

NOTES:

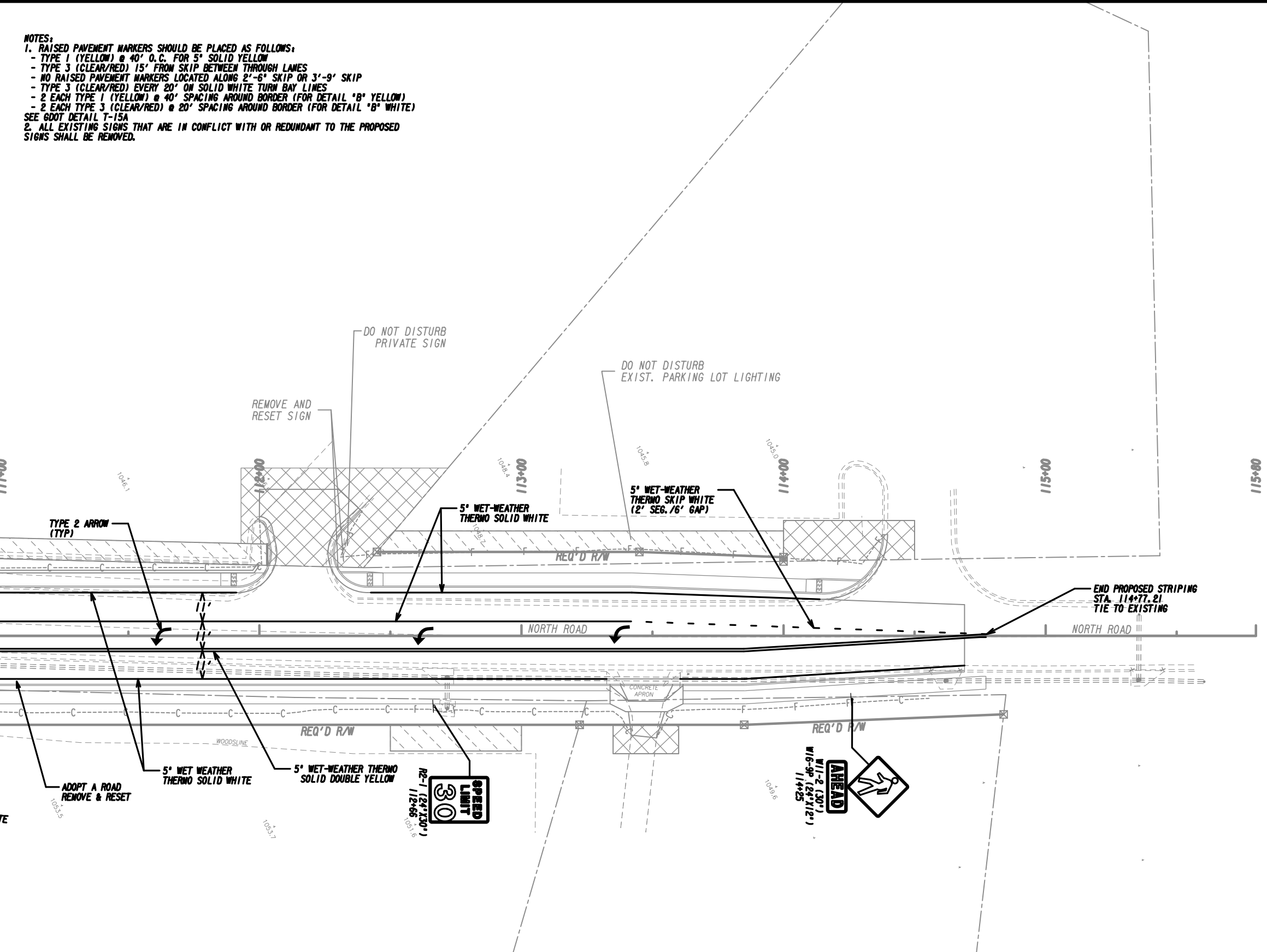
1. RAISED PAVEMENT MARKERS SHOULD BE PLACED AS FOLLOWS:
  - TYPE 1 (YELLOW) @ 40' O.C. FOR 5' SOLID YELLOW
  - TYPE 3 (CLEAR/RED) 15' FROM SKIP BETWEEN THROUGH LANES
  - NO RAISED PAVEMENT MARKERS LOCATED ALONG 2'-6" SKIP OR 3'-9" SKIP
  - TYPE 3 (CLEAR/RED) EVERY 20' ON SOLID WHITE TURN BAY LINES
  - 2 EACH TYPE 1 (YELLOW) @ 40' SPACING AROUND BORDER (FOR DETAIL 'B' YELLOW)
  - 2 EACH TYPE 3 (CLEAR/RED) @ 20' SPACING AROUND BORDER (FOR DETAIL 'B' WHITE)
2. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH OR REDUNDANT TO THE PROPOSED SIGNS SHALL BE REMOVED.



DRAWING No. 26-0002

MATCH LINE STA. 111+00

TE



REVISION DATES

NO.	DATE	DESCRIPTION

**SIGNING AND MARKING PLANS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

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

DRAWING No.  
**26-0003**

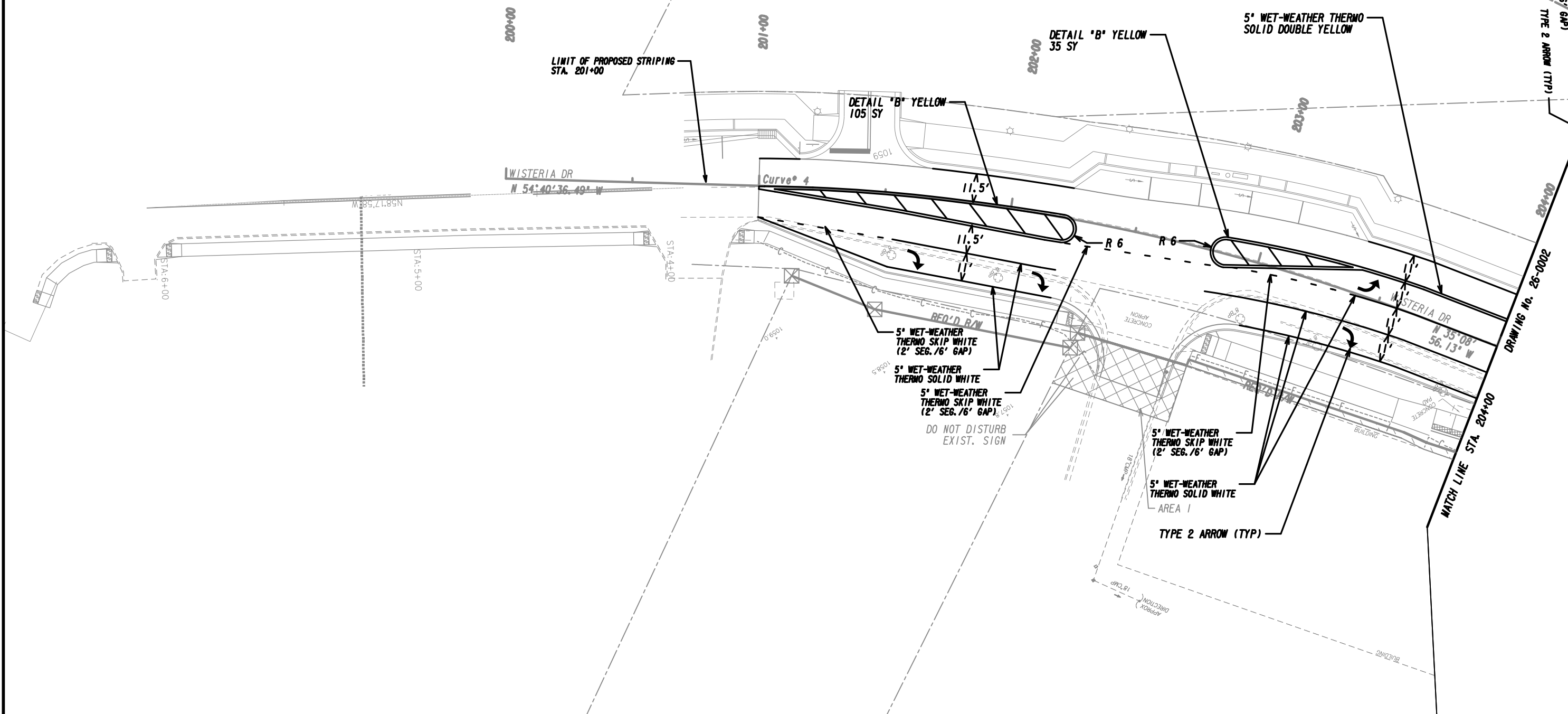
NOTES:

- 1. RAISED PAVEMENT MARKERS SHOULD BE PLACED AS FOLLOWS:
  - TYPE 1 (YELLOW) @ 40' O.C. FOR 5" SOLID YELLOW
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  - 2 EACH TYPE 3 (CLEAR/RED) @ 20' SPACING AROUND BORDER (FOR DETAIL 'B' WHITE)
- SEE GDOT DETAIL T-15A
- 2. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH OR REDUNDANT TO THE PROPOSED SIGNS SHALL BE REMOVED.

APPROXIMATE LOCATION  
LAND LOT LINE

LAND LOT 26  
LAND LOT 39

Curve 4  
PI Sta= 202+37.67  
N= 1404493.38  
E= 2342131.06  
DELTA= 19°31'40.4" (RT)  
D= 07°09'43.10"  
T= 137.67  
L= 272.66  
R= 800.00  
E= 11.76



REVISION DATES	

**SIGNING AND MARKING PLANS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

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

### GWINNETT COUNTY 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, INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. ALL MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS FOR TRAFFIC SIGNAL INSTALLATION (WITH EXCEPTIONS AS DIRECTED BY THESE PLANS OR GWINNETT COUNTY D.O.T. (GCDOT)). INSTALLATIONS SHALL MEET CURRENT NFPA NATIONAL ELECTRICAL CODE AND ANSI NATIONAL ELECTRICAL SAFETY CODE.
3. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO GCDOT, ATTN: TRAFFIC SIGNAL ENGINEER.
4. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS, SHOP DRAWINGS AND FOUNDATION DIMENSIONS OF POLES AND CATALOG CUTS OF PROPOSED SIGNAL EQUIPMENT AND ELECTRICAL / LINE HARDWARE MATERIALS TO THE TRAFFIC SIGNAL ENGINEER FOR APPROVAL.
5. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
6. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. MINOR SHIFTS ( UP TO A MAXIMUM OF 5 FEET) IN LOCATION OF NEW SIGNAL POLES, AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS MUST BE RETAINED AS SHOWN ON THE PLANS.
7. 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.
8. PROVIDE A MINIMUM OF 10 FEET CLEARANCE BETWEEN POWER LINES AND MAST ARMS. RAISE POWER LINES IF NECESSARY.
9. WHEN APPLICABLE TO THE PLANS, THE CONTRACTOR MUST INSTALL AND TEST ALL NEW SIGNAL ITEMS PRIOR TO REMOVING EXISTING SIGNALS FROM SERVICE.
10. WHEN APPLICABLE TO THE PLANS, CONTRACTOR WILL BE REQUIRED TO PROVIDE A NEW RISER, CONDUIT, CONDUCTORS AND DISCONNECT TO PROVIDE POWER SERVICE INTO THE CONTROLLER CABINET.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING POLES WHEN ATTACHING SPAN WIRE OR FIBER OPTIC INTERCONNECT CABLE TO THE POLES, WHEN REQUIRED, AS DIRECTED BY THE ENGINEER.
12. SHIELDED CABLE SHALL BE USED FOR DETECTOR RUNS, AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROLLER CABINET. LOOP AND PEDESTRIAN DETECTOR CABLES SHALL BE 14 AWG IMSA 50-2 3-PAIR EQUIVALENT CABLE.
13. CONDUIT UNDER DRIVEWAYS AND ROADWAYS SHALL BE TYPE 3 (SDR 11 HDPE), RIGID METAL OR ENCASED IN CONCRETE. ALL CONDUIT RUNS GREATER THAN 50 FEET IN LENGTH SHALL BE BURIED TO A MINIMUM DEPTH OF 48 INCHES, UNLESS APPROVED BY THE ENGINEER.
14. WHEN APPLICABLE TO THE PLANS, DETECTABLE MARKING TAPE LABELED "GWINNETT DOT CALL (770)822-7474" SHALL BE INSTALLED DIRECTLY ABOVE ALL UNDERGROUND CONDUIT CONTAINING FIBER OPTIC INTERCONNECT CABLE. AN INSULATED TRACING WIRE GROUNDED ON ONE END SHALL BE INSTALLED INSIDE A CONDUIT SEPARATE FROM THE FIBER OPTIC INTERCONNECT CABLE.
15. SIGNAL HEADS ON MAST ARMS SHALL HAVE BACK PLATES AND BE RIGID MOUNTED.
16. VEHICLE AND PEDESTRIAN SIGNAL HEADS AND HARDWARE SHALL BE ALL BLACK IN COLOR. VEHICLE SIGNAL HEADS SHALL HAVE TUNNEL VISORS AND SHALL BE MADE OF POLYCARBONATE MATERIAL. VEHICLE SIGNAL HEADS SHALL BE EQUIPPED WITH LED MODULES.
17. PEDESTRIAN SIGNAL HEADS ATTACHED TO PEDESTAL POLES AND STEEL STRAIN POLES SHALL BE MOUNTED WITH "CLAMSHELL" TYPE BRACKET ASSEMBLIES. ALL PEDESTRIAN SIGNAL HEADS ATTACHED TO CONCRETE STRAIN POLES SHALL BE MOUNTED WITH ONE-WAY SIDE-OF-POLE POLYCARBONATE BRACKETS. PEDESTRIAN SIGNAL HEADS SHALL BE EQUIPPED WITH COUNTDOWN, UNIFORM APPEARANCE, FULL HAND/ MAN/ NUMERAL LED MODULES.
18. PUSHBUTTON STATIONS THAT ARE INSTALLED ON A PEDESTAL POLE FOR TWO PERPENDICULAR CROSSINGS SHALL BE MOUNTED ON A "DOUBLE PUSHBUTTON STATION ADAPTER". PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED WITHIN 10' OF SIDEWALK WITH SIGN ARROW INDICATING THE CROSSING DIRECTION. PEDESTRIAN PUSHBUTTONS SHALL BE VANDAL RESISTANT WITH A PIEZO SWITCH, LED INDICATION AND AUDIBLE FEEDBACK.
19. ONLY THE MODELS OF VEHICLE SIGNAL MODULES, PEDESTRIAN SIGNAL MODULES, AND PUSH BUTTONS THAT HAVE BEEN TESTED AND PRE- APPROVED BY GCDOT SHALL BE USED. CONTACT GCDOT FOR A LIST OF APPROVED ITEMS OR TO SUBMIT ITEMS FOR TESTING AND APPROVAL AT (770)822-7474.
20. ONE 7- CONDUCTOR, 14 AWG, STRANDED CABLE AND ONE 3-PAIR DETECTOR CABLE FOR PROPOSED AND FUTURE PEDESTRIAN SIGNALS SHALL BE INSTALLED AT EACH STRAIN POLE. A MINIMUM OF ONE 7- CONDUCTOR, 14 AWG, STRANDED SIGNAL CABLE FOR PROPOSED AND FUTURE VEHICLE SIGNALS SHALL BE INSTALLED ON ALL FOUR SIDES OF THE INSTALLATION.
21. HOT DIP GALVANIZED WELDLESS RINGS SHALL BE USED FOR SPAN WIRE JUNCTIONS. GUY ANCHORS SHALL BE GALVANIZED.
22. GCDOT WILL BE RESPONSIBLE FOR PROGRAMMING OF SIGNAL TIMING AND "TURN- ON" OF ALL NEW SIGNALS.
23. GCDOT IS ON THE ONE-CALL SYSTEM. CALL 811 WHEN LOCATING UTILITIES FOR CONSTRUCTION. FOR EMERGENCY LOCATES CALL 811 AND (770) 822-8839.
24. ALL CAT-5 CABLES SHALL BE PROVIDED BY THE CONTRACTOR FOR EACH ETHERNET DEVICE.
25. ALL FIBER JUMPERS ARE INCIDENTAL TO THE SWITCH.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING EXISTING FIBER AND MAINTAINING ITS OPERATIONS.
27. ALL SPLICES OF FIBER OPTIC CABLE UNDER THIS CONTRACT SHALL BE FUSION SPLICES, UNLESS OTHERWISE SPECIFICALLY NOTED IN EACH INSTANCE OR DIRECTED BY THE ENGINEER. NO IN-LINE SPLICES SHALL BE MADE IN ANY CABLE.
28. 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 LOCATION(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.
29. ENSURE ALL DETECTION IS INSTALLED PROMPTLY. FAILURE TO DO SO WILL RESULT IN DELAY OF THE ACTIVATION OF THE NEW TRAFFIC SIGNAL INSTALLATION.
30. LOOP DETECTOR UNIT SHALL ENERGIZE ITS INDIVIDUAL LOOP CHANNELS NONCONCURRENTLY. DETECTOR UNIT SHALL BE FAIL SAFE (PROVIDE A CONSTANT CALL TO THE CONTROLLER IF LOOP FAILURE OCCURS).
31. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY RELOCATION OR DAMAGE TO GCDOT TRAFFIC SIGNAL OR ATMS INFRASTRUCTURE (LOOP, LEAD-IN, FIBER OPTICS, CONDUIT, PULL BOX, ETC.) DUE TO CONSTRUCTION ACTIVITIES AND MUST USE A GCDOT APPROVED CONTRACTOR TO PERFORM ANY WORK ON SAID INFRASTRUCTURE. NOTIFY GCDOT AT 678-639-8800 OF ANY ACTIVITY.
32. VIBRATION DAMPER PLATES SHOULD BE INSTALLED ON ALL MAST ARMS 50 FEET OR LONGER AND ALWAYS BE INSTALLED AT OUTSIDE TIP.
33. THE COST OF ANY REQUIRED MAST ARM DAMPER PLATE IS INCIDENTAL TO THE STRAIN POLE.

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#### REVISION DATES






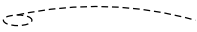














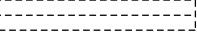




#### SIGNAL PLANS

WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS






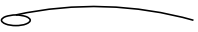











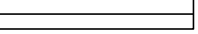

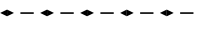





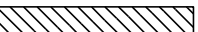
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

# LEGEND - TRAFFIC SIGNALS




## EXISTING

-  CONTROLLER CABINET
-  STRAIN POLE
-  TIMBER POLE
-  DOWN GUY
-  MAST ARM
-  STREET LIGHT
-  3 SECTION HEAD
-  3 SECTION HEAD W/BACKPLATE
-  4 SECTION HEAD
-  4 SECTION HEAD W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) HEAD
-  4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE
-  OVERHEAD SIGN
-  PEDESTAL POLE
-  PED SIGNAL HEAD
-  CURB CUT RAMP, ALL TYPE
-  PULLBOX, (TYPE TO BE CALLED OUT)
-  6X6 PULSE LOOP
-  6X18 CALL LOOP
-  6X40 PRESENCE LOOP (DIPOLE)
-  6X40 PRESENCE LOOP (QUADRUPOLE)
-  CONDUIT, ALL TYPE
-  RAILROAD CONTROLLER
-  SIGN POST















## PROPOSED

-  CONTROLLER CABINET
-  STRAIN POLE
-  TIMBER POLE
-  DOWN GUY
-  MAST ARM
-  STREET LIGHT
-  3 SECTION HEAD W/BACKPLATE
-  4 SECTION HEAD W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE
-  OVERHEAD SIGN
-  PEDESTAL POLE
-  PED SIGNAL HEAD
-  CURB CUT RAMP, (TYPE TO BE CALLED OUT)
-  PULLBOX, (TYPE TO BE CALLED OUT)
-  6X6 PULSE LOOP
-  6X18 CALL LOOP
-  6X40 PRESENCE LOOP (DIPOLE)
-  6X40 PRESENCE LOOP (QUADRUPOLE)
-  CONDUIT, (TYPE TO BE CALLED OUT)
-  CONDUIT, DIRECTIONAL BORE
-  RAILROAD CONTROLLER CABINET
-  SIGN POST
-  RADAR DETECTION DEVICE
-  MAGNETOMETER DETECTION DEVICE
-  VIDEO DETECTION DEVICE
-  VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

## RELOCATED

-  3 SECTION HEAD W/BACKPLATE
-  4 SECTION HEAD W/BACKPLATE
-  4/5 SECTION (CLUSTER/T-SHAPE) HEAD W/BACKPLATE

## AGENCY SPECIFIC

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



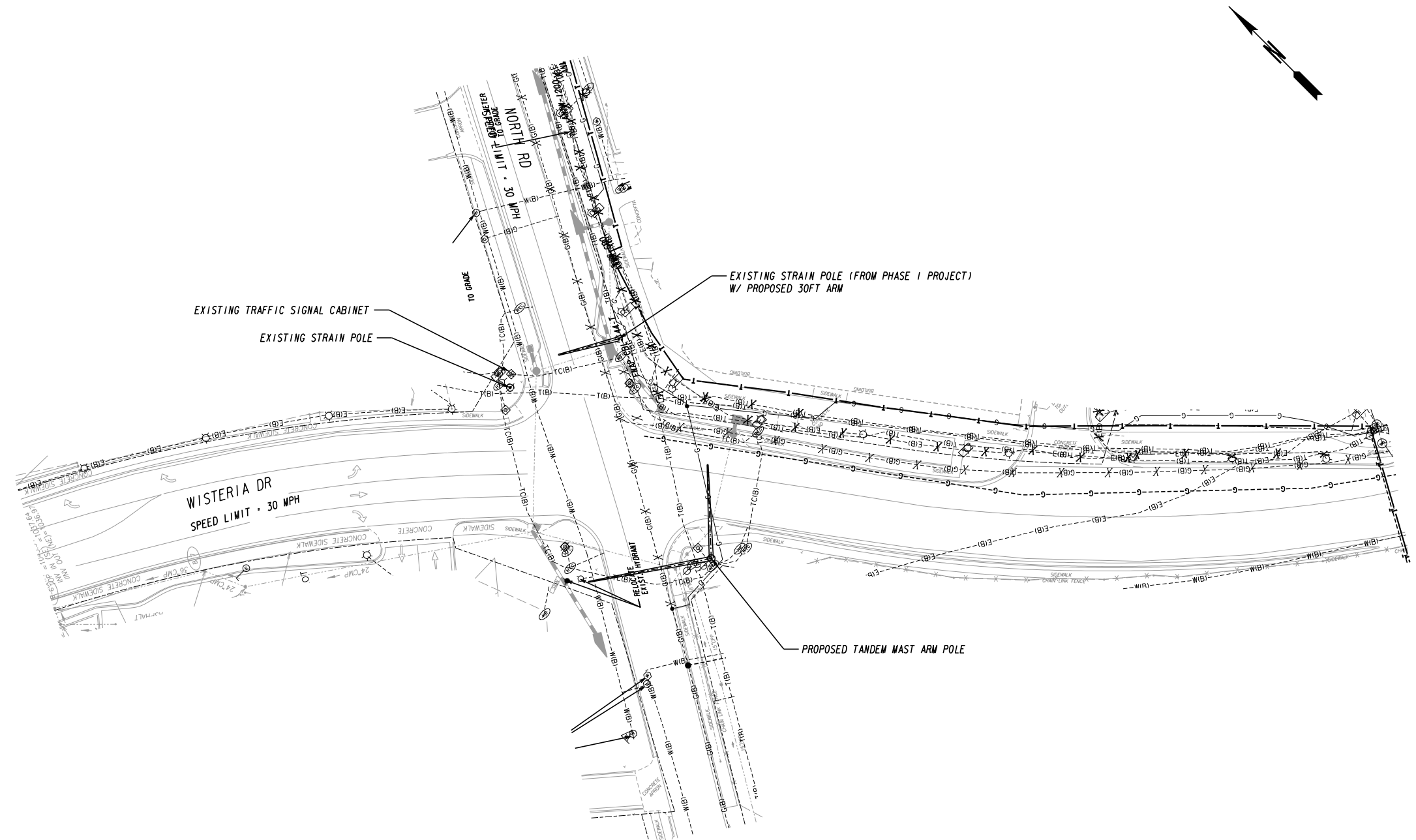
### REVISION DATES

NO.	DATE	DESCRIPTION

### SIGNAL PLANS

WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS

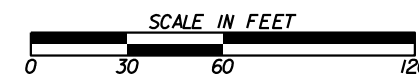
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REVISION DATES

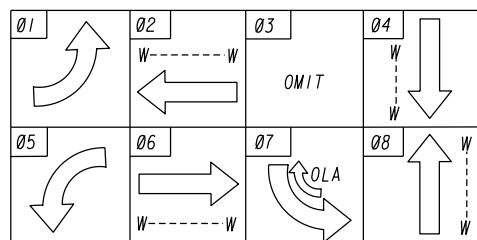
NO.	DATE	DESCRIPTION

**SIGNAL PLANS**

WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS

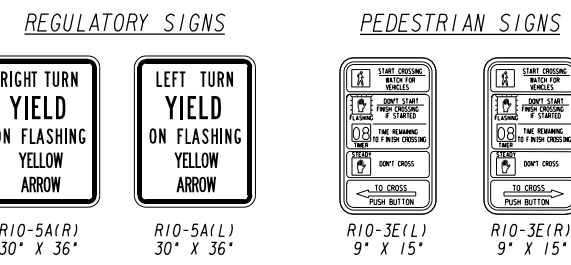
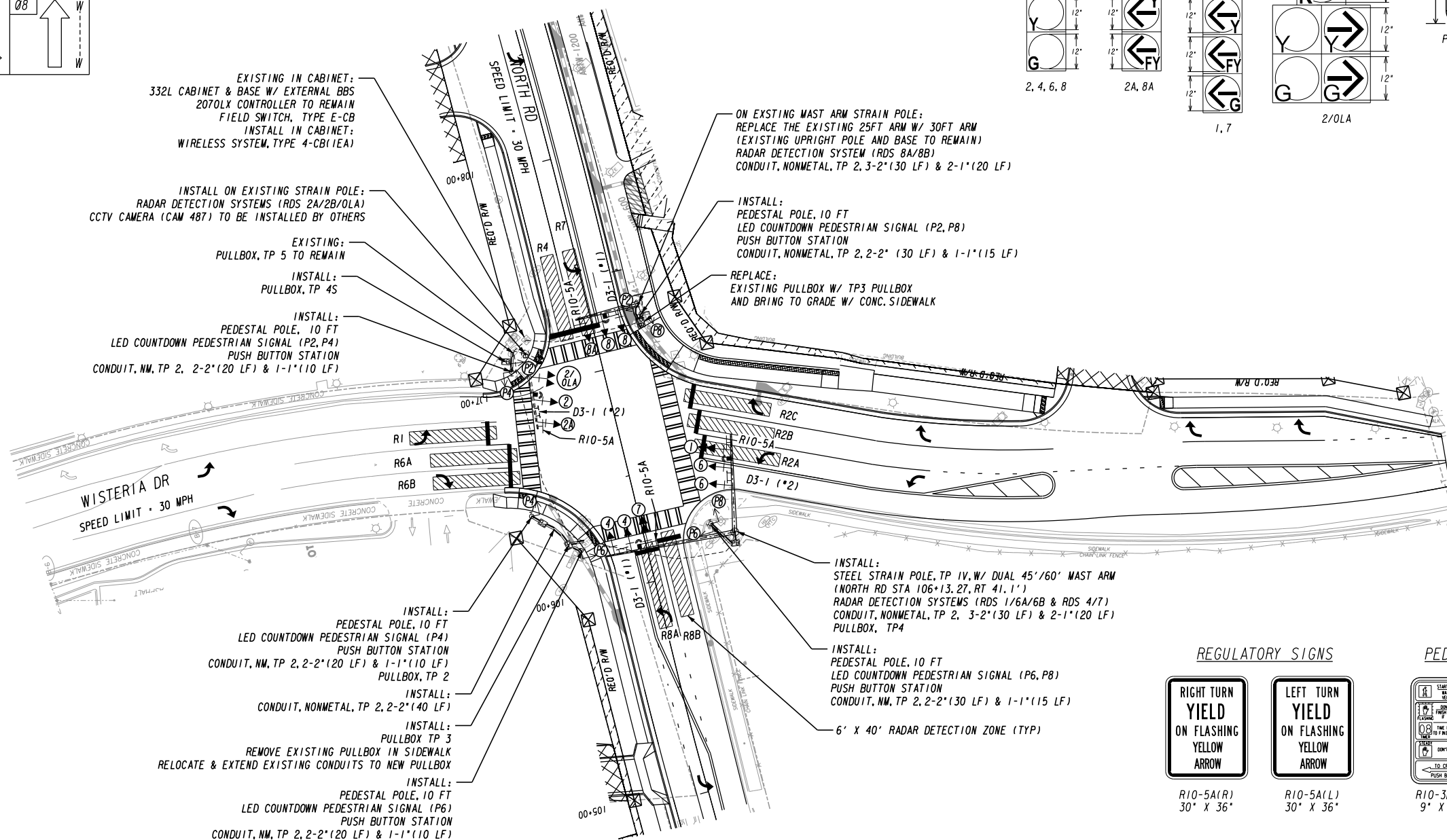
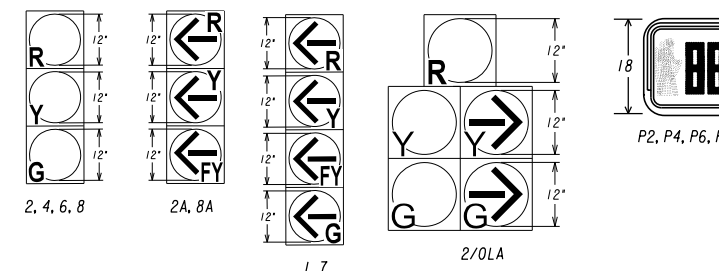
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

PHASING DIAGRAM



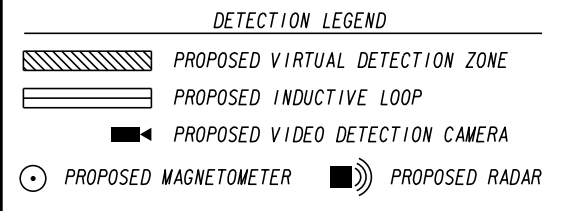
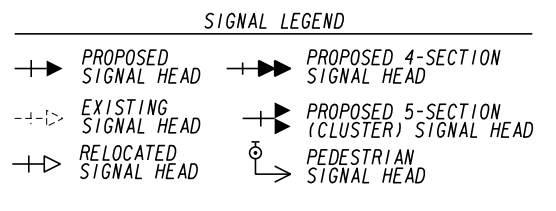
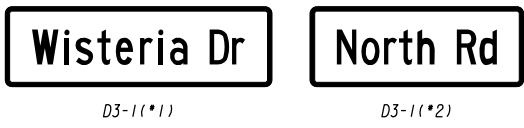
OLA = Ø2 + Ø7

LED SIGNAL HEADS WITH 2" RETRO-REFLECTIVE BORDER ON BACKPLATE PEDESTRIAN HEADS



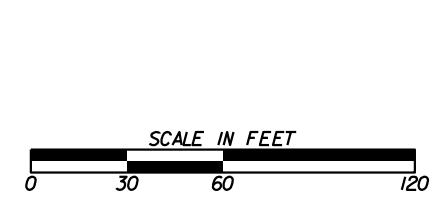
- NOTES:
1. NEW STRAIN POLES SHALL BE FLUTED W/ SMOOTH BLACK FINISH
  2. ALL NEW PEDESTAL POLES AND MAST ARMS SHALL BE SMOOTH BLACK FINISH.
  3. EXISTING STRAIN POLES AND MAST ARMS SHALL BE SMOOTH BLACK FINISH
  4. ALL VEHICULAR AND PEDESTRIAN SIGNAL EQUIPMENT SHALL BE BLACK IN COLOR.
  5. RADAR UNITS SHALL BE PLACED AS PER MANUFACTURER SPECIFICATION.
  6. RADAR WIRE SHALL BE 18 AWG, BLACK.
  7. ALL D3-1 SIGNS ARE SHOWN FOR INFORMATION ONLY. EXISTING INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS ARE TO BE RETAINED AND MOUNTED ON NEW MAST ARMS.
  8. SEE DRAWING 27-0006 FOR INTERSECTION DETAILS.

ILLUMINATED OVERHEAD STREET NAME SIGNS



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REVISION DATES

08/27/24		

SIGNAL PLANS

WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

27-0004



LIST OF MATERIALS

MATERIALS	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES		
F. SWITCH PACK	EA	11
L. AUXILIARY LOAD BAY	EA	1
SIGNAL CABLE (14 AWG)		
7 CONDUCTOR, PER 1000 FT.	REEL	3
PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)		
3 PAIR, 18 AWG	REEL	3
ONE-WAY, 3-SECTION, 12" LED SIGNAL HEAD, PLASTIC, POLYCARBONATE, BLACK	EA	8
ONE-WAY, 4-SECTION, 12" FYA LED SIGNAL HEAD, PLASTIC, POLYCARBONATE, BLACK	EA	4
BACKPLATE FOR ONE-WAY, 3-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	8
BACKPLATE FOR ONE-WAY, 4-SECTION SIGNAL HEAD, BLACK, PLASTIC W/2" RETROREFLECTOVE STRIP	EA	4
HARDWARE FOR MAST ARM MOUNTING	EA	12
ONE-WAY, 1-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP	EA	8
PEDESTRIAN PUSH BUTTON STATION ASSEMBLY		
9' x 15', W/SINGLE PUSH BUTTON ADAPTOR FOR 4" DIA PEDESTAL POLE, ADJUSTABLE, BLACK	EA	2
PEDESTRIAN PUSH BUTTON STATION ASSEMBLY		
9' x 15', W/DOUBLE PUSH BUTTON ADAPTER FOR 4" DIA PEDESTRIAN POLE, ADJUSTABLE, BLACK	EA	3
PEDESTRIAN PUSHBUTTON STATIONS, W/ BUTTONS & SIGNS		
9' x 15', RIO-3e, (LEFT OR (RIGHT), COUNTDOWN	EA	8
HARDWARE FOR PEDESTAL POLE, SIDE OF POST MOUNTING, ONE-WAY, CLAMSHELL	EA	8
10" PEDESTAL POLE & SQUARE BASE	EA	5
PULLBOX, PB-2	EA	1
PULLBOX, PB-3	EA	2
CONDUIT, TP 2, 1"	LF	100
CONDUIT, TP 2, 2"	LF	220
RIO-5A(L) SIGN	EA	3
RIO-5A(R) SIGN	EA	1
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	LUMP

LIST OF MATERIALS IS "FOR INFORMATION ONLY" AND SHOULD BE VERIFIED BY THE CONTRACTOR.

ALL OF THE ITEMS ABOVE SHALL BE PAID FOR UNDER THE 647-1000 PAY ITEM.

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
*639-3004*	*STEEL STRAIN POLE, TP IV, W/ 30' MAST ARM, SMOOTH BLACK FINISH, FLUTED (MAST ARM ONLY)	EA	1
639-3004	STEEL STRAIN POLE, TP IV, W/DUAL 45'/60' MAST ARMS, SMOOTH BLACK FINISH, FLUTED	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LUMP	LUMP
682-2145	PULLBOX, TP 4S	EA	1
926-2105	WIRELESS SYSTEM, TYPE 4-CB	EA	1
937-6000	MICROWAVE RADAR DETECTION ASSEMBLY	EA	4

\*PAYMENT IS FOR MATERIAL AND LABOR FOR INSTALLATION OF 30FT MAST ARM ON EXISTING STRAIN POLE

332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
------	---	---	---	---	---	---	---	---	---	----	----	----	----	----

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	RADAR	RADAR	RADAR		RADAR	RADAR						DC 150	DC 150	DC 150
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	R1	R2A	R2C			R4					ADVANCE	Ø 2 PED	Ø 6 PED	FLASH
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION		R2B									ENABLE	Ø 4 PED	Ø 8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD		RADAR	RADAR		RADAR	RADAR								
CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		R6A	R6C		R7	R8A						EVA	EVB	RR 1
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION		R6B				R8B					SPARE 3	EVC	EVD	RR 2
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER FOR CORRECT INSTALLATION.

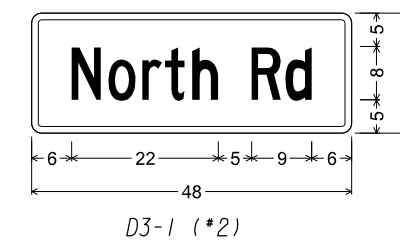
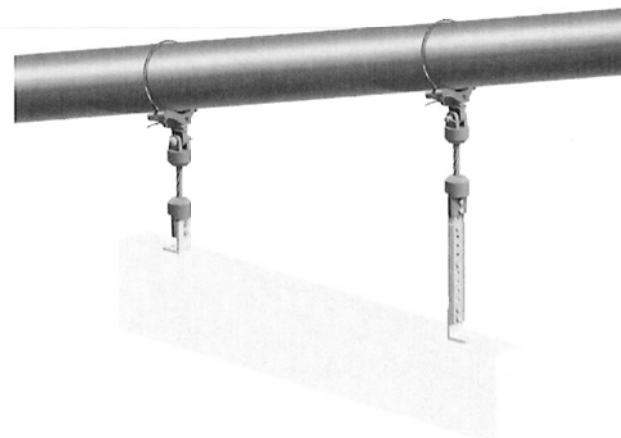
DETAILS OF ILLUMINATED OVERHEAD STREET NAME SIGNS

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

GENERAL NOTES FOR OVERHEAD ILLUMINATED STREET NAME SIGNS:

- CONNECT APPROVED SIGN MOUNTING BRACKETS TO SIGN'S UNDERHANGING BRACKETS. FASTENERS AND MOUNTING BRACKETS ARE OPTIONAL AND NOT SUPPLIED AS STANDARD EQUIPMENT WITH THE SIGN.
- APPROVED BRACKETS, SUCH AS PELCO SE-5015 OR SE-5146, OR EQUIVALENT MUST BE ORIENTED AS SHOWN.
- RIGIDLY ATTACH TOP SECTION OF MOUNTING BRACKET TO MAST ARM, USING EITHER THE BANDING OR CABLING PROVIDED WITH THE MOUNTING BRACKET.
- RECOMMEND 2 SAFETY CABLES, ONE FOR EACH END. SAFETY CABLES ARE OPTIONAL AND NOT PROVIDED AS STANDARD EQUIPMENT. LOOP SAFETY CABLE OVER MAST ARM, THROUGH ITSELF, AND THEN PERMANENTLY ATTACH IT TO PROVIDED EYEBOLT.
- CONNECT ELECTRICAL TERMINATIONS USING LOCALLY-APPROVED METHODS:  
BLACK: LINE VOLTAGE, 120-240VAC, HZ  
WHITE: NEUTRAL  
GREEN: GROUND

DOUBLE FACED ILLUMINATED STREET NAME SIGN  
PREFERRED MOUNTING



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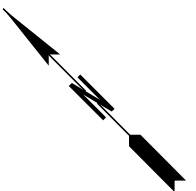
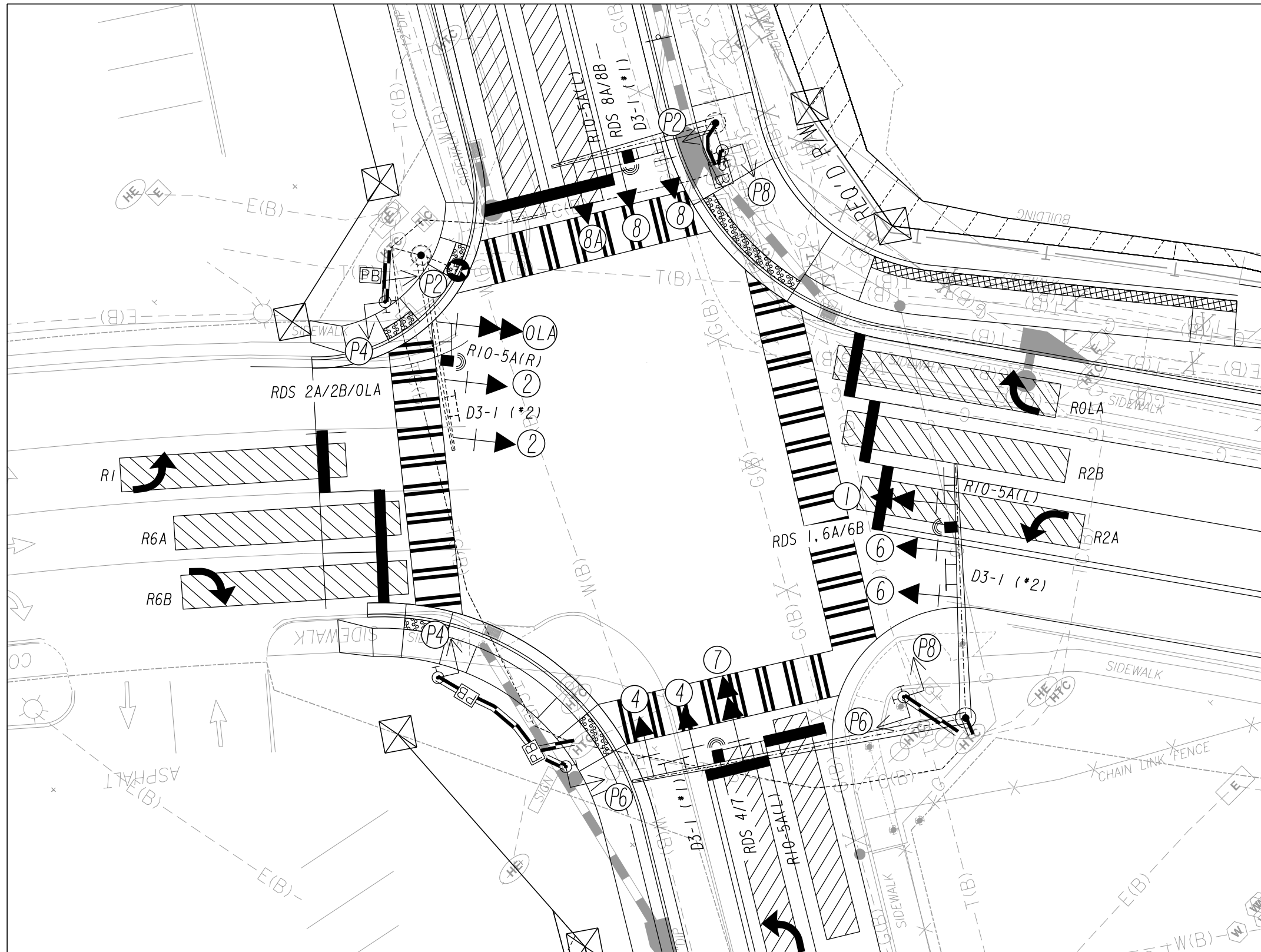
REVISION DATES

NO.	DATE	DESCRIPTION

**SIGNAL PLANS**

WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



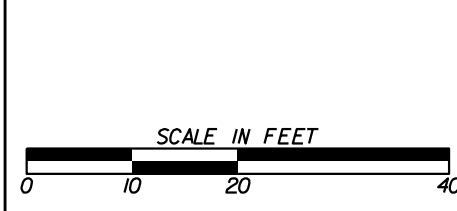
INTERSECTION #1 DETAIL

SIGNAL LEGEND	
	PROPOSED SIGNAL HEAD
	EXISTING SIGNAL HEAD
	RELOCATED SIGNAL HEAD
	PROPOSED 4-SECTION SIGNAL HEAD
	PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
	PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND	
	PROPOSED VIRTUAL DETECTION ZONE
	PROPOSED INDUCTIVE LOOP
	PROPOSED VIDEO DETECTION CAMERA
	PROPOSED MAGNETOMETER
	PROPOSED RADAR

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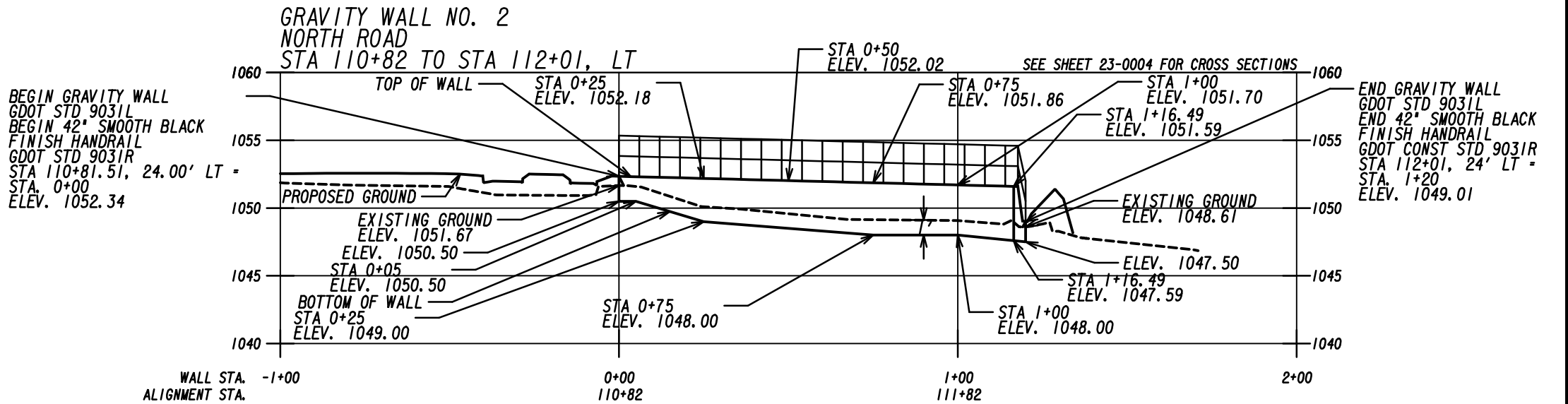
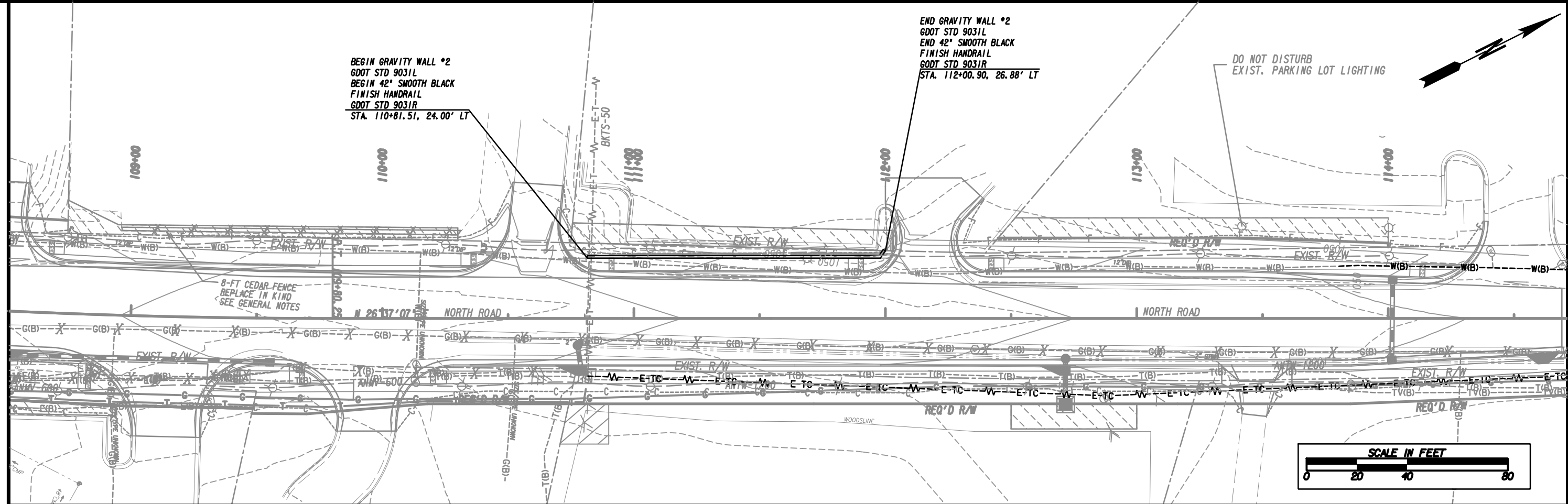


REVISION DATES	

**SIGNAL PLANS**  
WISTERIA DRIVE @ NORTH ROAD  
GCDOT SIGNAL #201  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	





SCALE 1 INCH = 5 FEET VERTICAL  
SCALE 1 INCH = 20 FEET HORIZONTAL

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

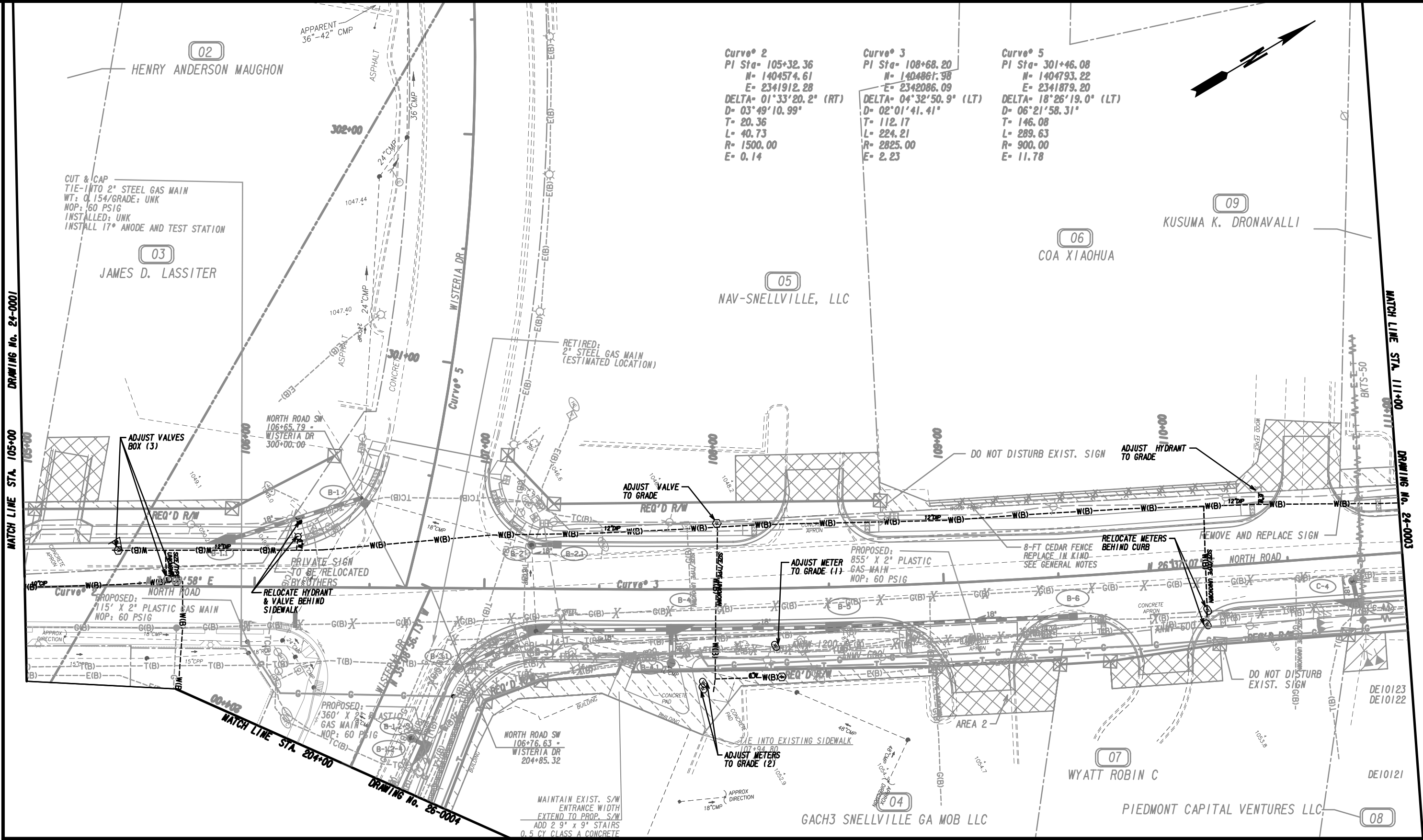
---+--- BLA  
---+--- ELA  
---+--- LIMIT OF ACCESS  
---+--- REQ'D R/W & LIMIT OF ACCESS  
---+--- ORANGE BARRIER FENCE  
---+--- ESA - ENV. SENSITIVE AREA  
(SEE ERIT TABLE)



REVISION DATES	

REVISION DATES		DRAWING No.	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		31-0002	





**Curve 2**  
 PI Sta- 105+32.36  
 N- 1404574.61  
 E- 2341912.28  
 DELTA- 01°33'20.2" (RT)  
 D- 03°49'10.99"  
 T- 20.36  
 L- 40.73  
 R- 1500.00  
 E- 0.14

**Curve 3**  
 PI Sta- 108+68.20  
 N- 1404861.98  
 E- 2342086.09  
 DELTA- 04°32'50.9" (LT)  
 D- 02°01'41.41"  
 T- 112.17  
 L- 224.21  
 R- 2825.00  
 E- 2.23

**Curve 5**  
 PI Sta- 301+46.08  
 N- 1404793.22  
 E- 2341879.20  
 DELTA- 18°26'19.0" (LT)  
 D- 06°21'58.31"  
 T- 146.08  
 L- 289.63  
 R- 900.00  
 E- 11.78

MATCH LINE STA. 105+00 DRAWING No. 24-0001

MATCH LINE STA. 111+00 DRAWING No. 24-0003

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

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

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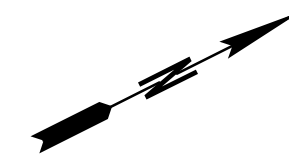
6745 Sugarloaf Parkway, Suite 100  
 Duluth, GA 30097  
 770.447.8999 • www.ciacompanies.com



REVISION DATES	

UTILITY RELOCATION PLANS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			44-0002





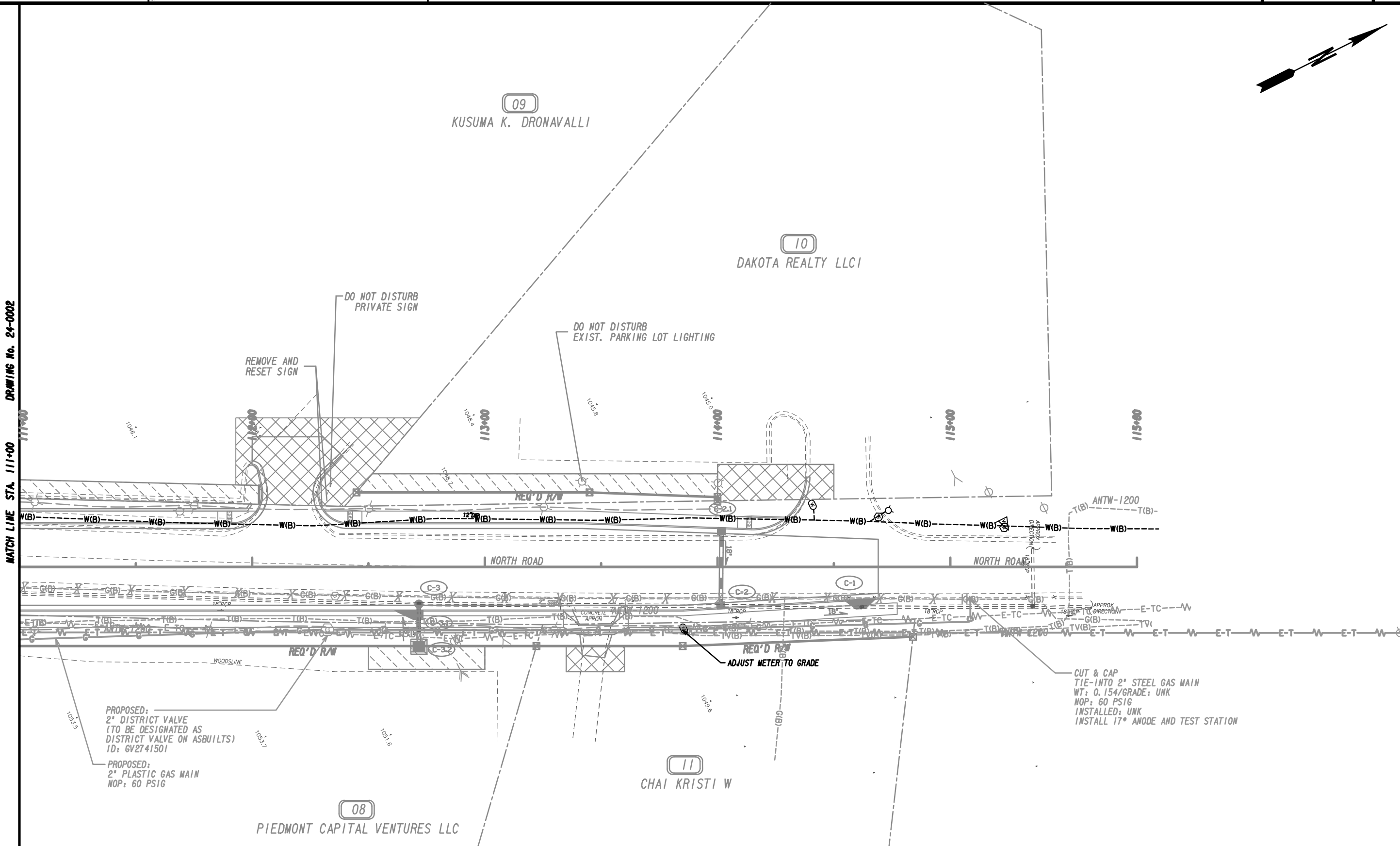
09  
KUSUMA K. DRONAVALLI

10  
DAKOTA REALTY LLC I

11  
CHAI KRISTI W

08  
PIEDMONT CAPITAL VENTURES LLC

DRAWING No. 24-0002  
MATCH LINE STA. 111+00

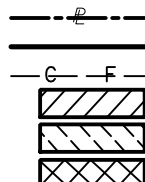


PROPOSED:  
2" DISTRICT VALVE  
(TO BE DESIGNATED AS  
DISTRICT VALVE ON ASBUILTS)  
ID: 6V2741501

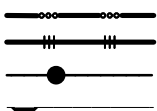
PROPOSED:  
2" PLASTIC GAS MAIN  
NOP: 60 PSIG

CUT & CAP  
TIE-INTO 2" STEEL GAS MAIN  
WT: 0.154/GRADE: UNK  
NOP: 60 PSIG  
INSTALLED: UNK  
INSTALL 17" ANODE AND TEST STATION

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



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



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REVISION DATES

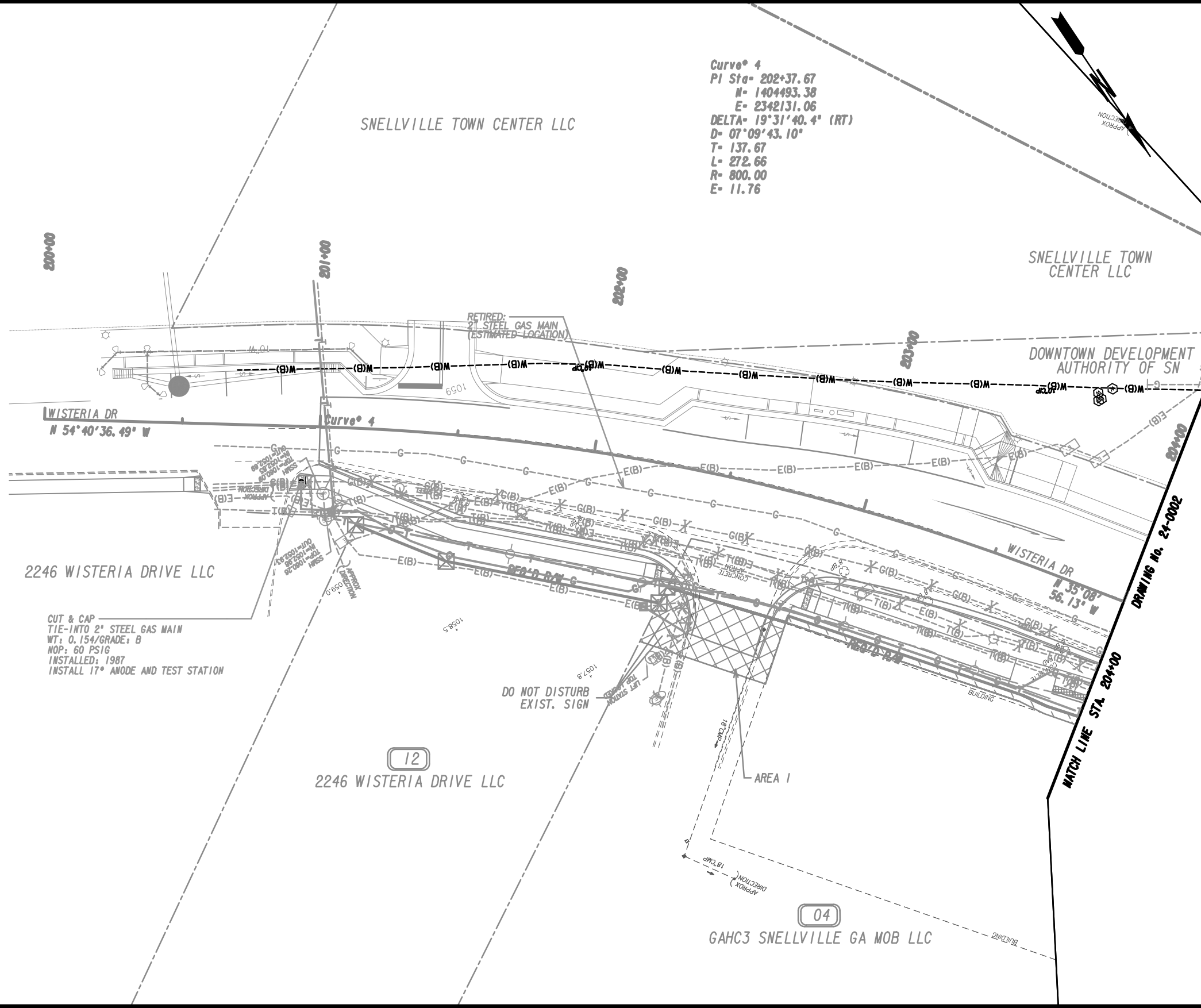
NO.	DATE	DESCRIPTION

**UTILITY RELOCATION PLANS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**

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

DRAWING No.  
**44-0003**

Curve° 4  
 PI Sta- 202+37.67  
 N= 1404493.38  
 E= 2342131.06  
 DELTA- 19°31'40.4" (RT)  
 D= 07°09'43.10"  
 T= 137.67  
 L= 272.66  
 R= 800.00  
 E= 11.76



WISTERIA DR  
 N 54°40'36.49" W

2246 WISTERIA DRIVE LLC

CUT & CAP  
 TIE-INTO 2" STEEL GAS MAIN  
 WT: 0.154/GRADE: B  
 NOP: 60 PSIG  
 INSTALLED: 1987  
 INSTALL 17" ANODE AND TEST STATION

12  
 2246 WISTERIA DRIVE LLC

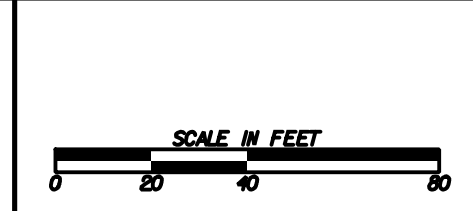
04  
 GAHC3 SNELLVILLE GA MOB LLC

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


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


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REVISION DATES

No.	Description	Date

**UTILITY RELOCATION PLANS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	44-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	



# CITY OF SNELLVILLE

## EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

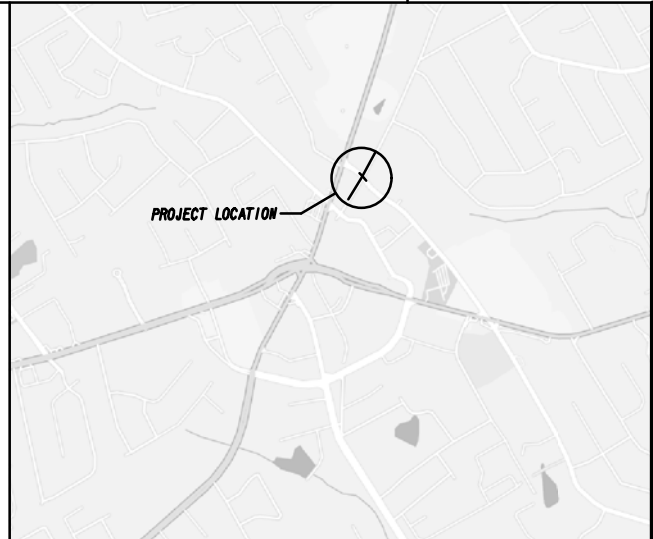
### NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GARI00002."

"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. GARI00002."

"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. GARI00002, 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."

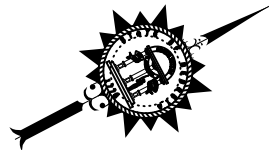
"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."



LOCATION SKETCH

#### PRIMARY PERMITTEE

CITY OF SNELLVILLE  
2342 Oak Road SW  
Snellville, Georgia 30078  
Phone: (770) 985-3500  
Email: kalsen@co-fra-services.com



FEDERAL ROUTE: N/A  
STATE ROUTE: N/A

LEAH G. CASSELL, P.E.  
GSWCC LEVEL II CERTIFICATION #0000052996

#### BEGIN-POINT COORDINATES

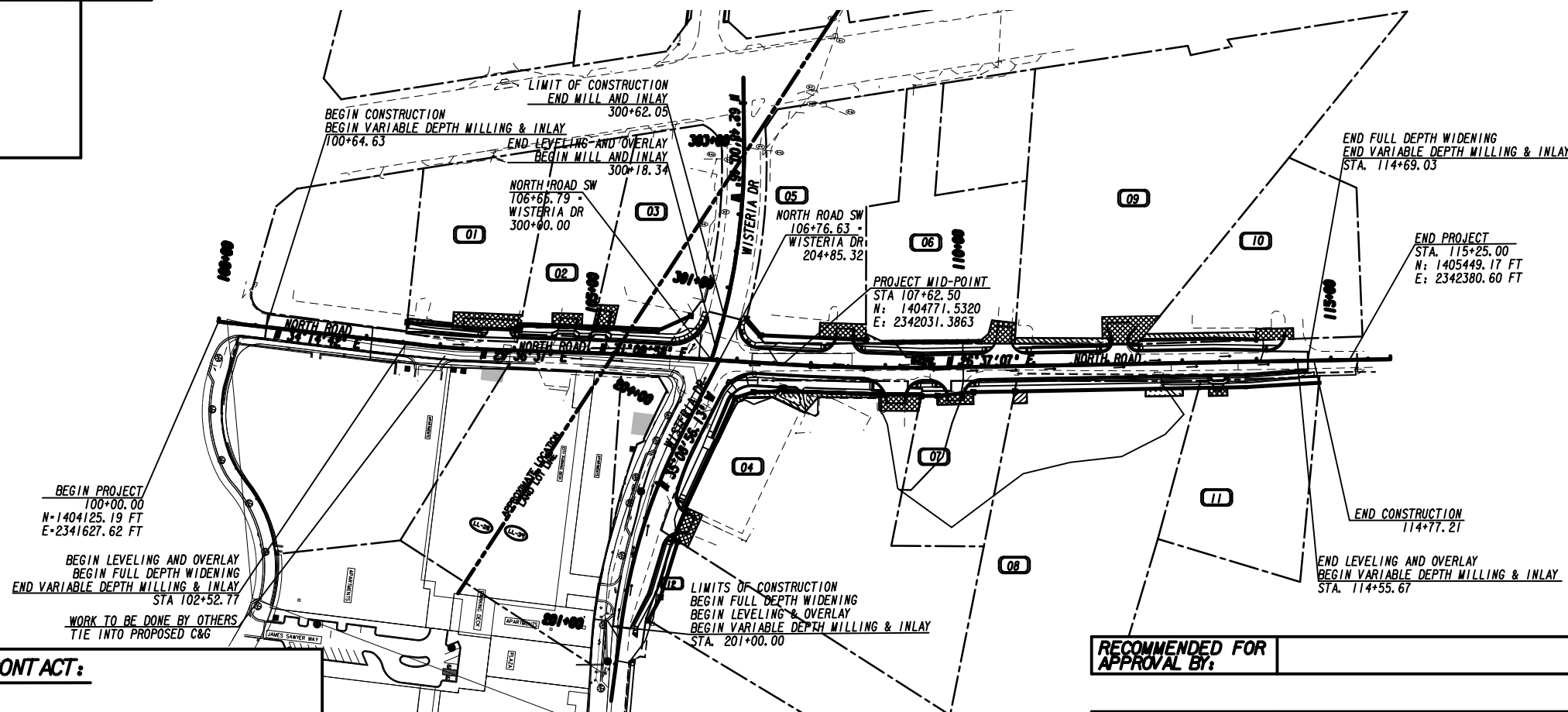
Latitude: 33.859928°N  
Longitude: 84.018283°W

#### MID-POINT COORDINATES

Latitude: 33.861703°N  
Longitude: 84.016949°W

#### END-POINT COORDINATES

Latitude: 33.863564°N  
Longitude: 84.015796°W



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PLANS PREPARED BY:

#### 24 HOUR CONTACT:

Name \_\_\_\_\_  
Street Address \_\_\_\_\_  
City, State Zip \_\_\_\_\_  
Phone Number \_\_\_\_\_  
Email Address \_\_\_\_\_

Contractor shall complete the information in this box.



LENGTH OF PROJECT	COUNTY No. 027
	MILES
NET LENGTH OF ROADWAY	0.2432
NET LENGTH OF BRIDGES	0.0598
NET LENGTH OF PROJECT	0.3030
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.3030

RECOMMENDED FOR APPROVAL BY:

- -2023

Date:

GSWCC LEVEL II Certification Number

#### PLANS COMPLETED: REVISIONS

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

DRAWING No.

50-0001

### EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

#### INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Gwinnett County SWCD

Project Name: North Road @ Wisteria Drive

Address: From Oak Road to Eastwood Drive SW

City/County: Gwinnett

Date on Plans:

Name & email of person filling out checklist:

Joseph Saurini jsaurini@chacompanies.com

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	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 contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
53-0000	Y	5 Note total and disturbed acreages 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.
51-0002	Y	8 Descriptions of the nature of construction activity and existing site conditions.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-0001	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. *
51-0003	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.
51-0002	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." *
51-0002	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." *
51-0002	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."
51-0002	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."
51-0002	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 a 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. *
	N/A	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. *
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	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. *
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-0002	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
51-0002	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).
51-0003	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
51-0003	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
51-0003	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
51-0003	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0003	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
51-0003	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. *
51-0002	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. *
50-53-54-55	Y	37 Graphic scale and North arrow.
54-1-0000 TO 54-3-0004	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
	N/A	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 GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org/ga.gov.
	N/A	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. *
	N/A	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.
	N/A	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0000	Y	43 Delineation and acreage of contributing drainage basins on the project site.
53-0000	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" = 2000' topographical sheets.
53-0000	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-0000	Y	46 Storm drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all stormwater discharge points.
54-1-0000 TO 54-1-0004	Y	47 Soil series for the project site and their delineation.
54-1-0000 TO 54-3-0004	Y	48 The limits of disturbance for each phase of construction.
51-0003	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, reworked 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.
54-1-0000 TO 54-3-0004	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 56-0012	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.
51-0002	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, 2024



NTS

#### REVISION DATES

No.	DATE

#### ESPCP GENERAL NOTES NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
		51-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

**ESPCP GENERAL NOTES**

The escape of sediment from the project 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.

**ESPCP 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 with Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Amendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

**CONSTRUCTION SCHEDULE AND 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 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 minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

**INITIAL PHASE**

1. INSTALL STABILIZED CONSTRUCTION EXIT
2. INSTALL SILT FENCES ON THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE.
3. PREPARE TEMPORARY PARKING AND STORAGE AREA AND INSTALL TEMPORARY SECURITY FENCE, IF REQUIRED.
4. INSTALL INLET PROTECTION MEASURES ON THE EXISTING DRAINAGE STRUCTURES AS INDICATED.

**INTERMEDIATE PHASE**

1. BEGIN CLEARING AND GRUBBING.
2. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
3. INSTALL PROPOSED STORM SEWER STRUCTURES AS INDICATED BY STAGE. REMOVE EXISTING STORM SEWER SYSTEM AS INDICATED AS NEW STORM SEWER CONSTRUCTION IS COMPLETED.
4. INSTALL OUTLET PROTECTION AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.
5. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
6. INSTALL DITCH PROTECTION WITHIN ALL DITCHES AS THEY ARE CONSTRUCTED.
7. CONSTRUCT UNDERGROUND UTILITIES.

**FINAL PHASE**

1. PERMANENTLY STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEEDING, SODDING, OR SLOPE STABILIZATION, AS INDICATED ON THE PLANS.
2. REMOVE TEMPORARY BMPs.
3. INSPECTION AND MAINTENANCE REPORT FORMS ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THREE YEARS FOLLOWING FINAL STABILIZATION OF THE SITE.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED.

**SITE STABILIZATION AND VEGETATION PLANTING SCHEDULE**

The EPD General NPDES GARI00002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates 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.

**BMP INSTALLATION AND MAINTENANCE MEASURES**

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

**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 GARI00002 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.

**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.

**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 BMPs. 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 GARI00002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

**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, paints, oils, curling compounds, and other construction materials.

**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 overlapping, 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".

**OTHER CONTROLS**

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

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.

**POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT**

There are no permanent post-construction BMPs required for this project.

**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	Acres in AOI	Percent of AOI
AmC2	Appling sandy loam, 6 to 10 percent slopes, moderately eroded	15.8	35.2%
ApB	Appling-Hard Labor complex, 2 to 6 percent slopes	10.4	23.2%
Cfs	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	0.8	1.8%
Hdb	Hard Labor sandy loam, 2 to 6 percent slopes	14.7	32.7%
ToA	Toccoa fine sandy loam, 0 to 4 percent slopes, frequently flooded	3.0	6.7%
WrE2	Wedowee sandy loam, 10 to 25 percent slopes, eroded	0.2	0.4%
Totals for Area of Interest		44.9	100.0%

DUE TO THE SIZE AND SCOPE OF THIS PROJECT AND THE NATURE OF THE SOIL SERIES MAPS, IT IS NOT REASONABLY PRACTICAL TO DELINEATE THE PRECISE LOCATIONS OF THE ABOVE LISTED SOILS ON THE CONSTRUCTION PLANS. THE NRCS SOIL SURVEY AND SOIL SERIES MAPS FOR THE PROJECT SITE ARE ALSO AVAILABLE ONLINE AT: <http://websol survey.nrcs.usda.gov/>

**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.



NTS

**REVISION DATES**


**ESPCP GENERAL NOTES  
NORTH ROAD @ WISTERIA DRIVE  
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**SEDIMENT STORAGE**

The site has a total disturbed area of 1.21 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 this table.

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd <sup>3</sup> )	Total Storage Volume Provided (yd <sup>3</sup> )	Temporary Sediment Basins		Check Dams (1.25 yd <sup>3</sup> /each)		Inlet Sediment Traps (2 yd <sup>3</sup> /each)		Silt Gates (2 yd <sup>3</sup> /each)		Silt Fence (0.3 yd <sup>3</sup> /ft)	
					Basin #	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	Length (ft)	Total Volume (yd <sup>3</sup> )
Outfall 1	2.04	0.68	136.68	18	0	0	0	0	9	18	0	0	0	0
Outfall 2	1.23	0.34	82.41	12	0	0	0	0	6	12	0	0	0	0
Total Sheet Flow	0.19	0.19	12.73	290.4	0	0	0	0	0	0	0	0	968	290.4

To prevent runoff from bypassing Inlet sediment traps, a temporary sump 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 Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the Inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Sediment basins will not be utilized at outfall locations due to Right-of-Way limitations. Land disturbance activities associated with constructing and removing sediment basins would cause adverse impacts. Sediment storage could not be attained at Outfalls 1 & 2 due to unsuitable topography and limited Right of Way. BMP's as shown on the Erosion Control Plans will be adequate to control sediment runoff at these locations.

**USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:**

No alternative or additional BMP's will be used on this project.

**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, "Blo F" (impaired fish community) and/or "Blo M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

**CHANNEL PROTECTION**

All channels may be stabilized exclusively with permanent grassing.

**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.

**INSPECTIONS AND REPORTING**

As the primary permittee, the Department 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 BMP's within 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 BMP's for the initial segment, as defined by Part N.A.5. of the current GARI00002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 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 7 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 and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

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.

**WATER QUALITY INSPECTING AND SAMPLING PROCEDURES**

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

**RETENTION OF RECORDS**

The Department will retain all records related to the implementation of this ESPCP in accordance with Part N.F. of the General Permit GARI00002.

**SAMPLING LOCATIONS AND 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 3.14 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 (mi <sup>2</sup> )	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
1	106+46.07, 38.86' LT	Watson Creek	All	Outfall	0.10	0.81	Warm	50	N/A	Existing Inlet	Road Widening	0.81	0.005	8.02	N/A
2	114+61.50, 16.51' RT	Watson Creek	All	Outfall	0.10	0.40	Warm	50	N/A	Existing Inlet	Road Widening	0.40	0.005	8.02	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.



NTS

**REVISION DATES**


**ESPCP GENERAL NOTES  
NORTH ROAD @ WISTERIA DRIVE  
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	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.
		LINE CODE 	
ESA	ENVIRONMENTALLY SENSITIVE AREA		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.
		LINE CODE 	ESA-25' (OR 50') STREAM BUFFER, ETC.
Bf	BUFFER ZONE		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.
		SYMBOL 	
Ds1	MULCH SECTION 163		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.
		SYMBOL 	
Ds2	TEMPORARY GRASSING SECTION 163, 700		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.
		SYMBOL 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		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.
		SYMBOL 	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		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.
		PATTERN 	
F1-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		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.
		SYMBOL 	POLYACRYLAMIDE
Sb	STREAMBANK STABILIZATION SECTION 702		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.
		PATTERN 	

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".

REVISION DATES

3/2/2017		

**EROSION CONTROL LEGEND**  
UNIFORM CODE SHEET  
SHEET 1 OF 7

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION  CONSTRUCTION DETAIL D-35 SECTION 716		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.
		PATTERN 	
Tac	TACKIFIERS  SECTION 163, 700, 895		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.
		SYMBOL 	
Cd-F	FABRIC CHECK DAM  CONSTRUCTION DETAIL D-24D SECTION 171		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.
		SYMBOL 	
Cd-Fs	COMPOST FILTER SOCK CHECK DAM  CONSTRUCTION DETAIL D-52 SECTION 163		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.
		SYMBOL 	
Cd-Hb	BALED STRAW CHECK DAM  CONSTRUCTION DETAIL D-52 SECTION 163		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.
		SYMBOL 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM  CONSTRUCTION DETAIL D-56 SECTION 163.603		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.
		SYMBOL 	
Ch-1	VEGETATED CHANNEL STABILIZATION  SECTION 700		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.
		LINE CODE 	
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1  CONSTRUCTION DETAIL D-49 SECTION 603		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.
		LINE CODE 	
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3  CONSTRUCTION DETAIL D-49 SECTION 603		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.
		LINE CODE 	

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



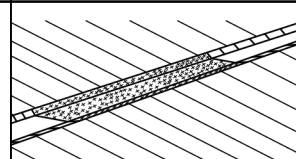
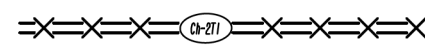
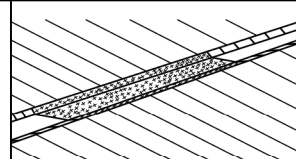

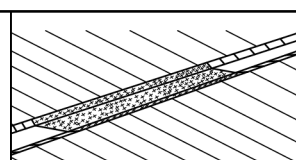
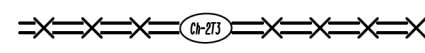
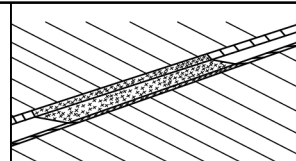
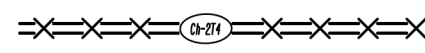
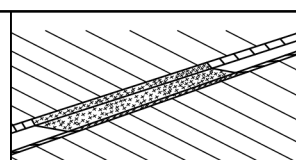

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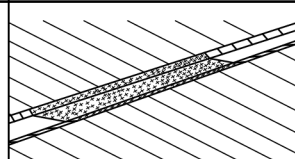

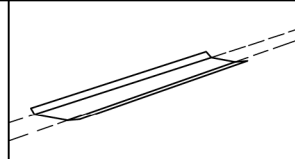
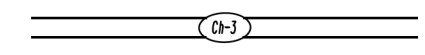
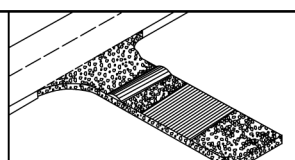

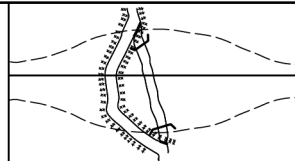
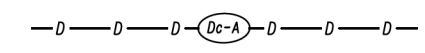
REVISION DATES	
3/2/2017	
11/28/2018	

**EROSION CONTROL LEGEND**  
UNIFORM CODE SHEET  
SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
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52-0002

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-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-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-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-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		

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-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		
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		
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		

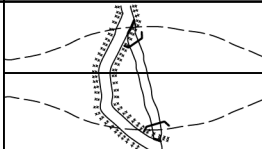
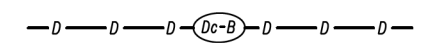
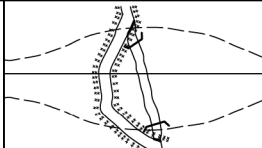
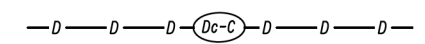
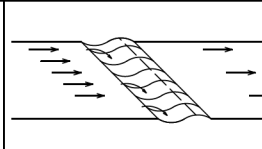
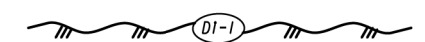
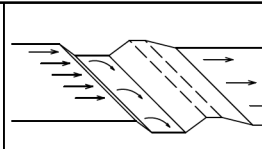
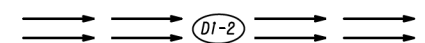
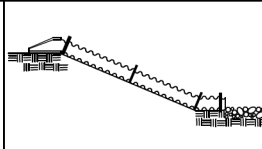
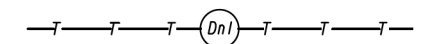
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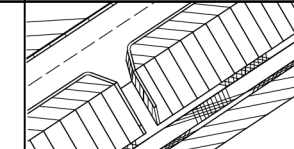
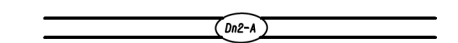
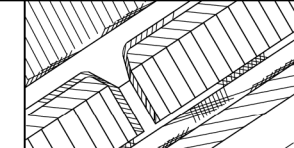
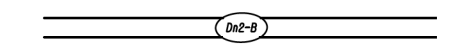
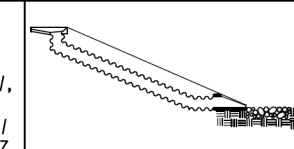
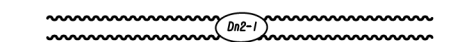
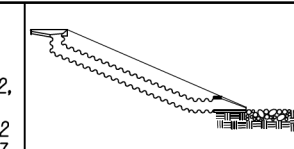
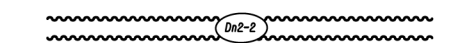
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 3 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
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VERIFIED:		DATE:	
		DRAWING No.	52-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY 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 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.
	LINE CODE 		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		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.
	LINE CODE 		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		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.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		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.
	LINE CODE 		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		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'.
	LINE CODE 		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		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).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		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).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		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).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		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).
	LINE CODE 		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".

REVISION DATES

3/2/2017		

**EROSION CONTROL LEGEND**  
UNIFORM CODE SHEET  
SHEET 4 OF 7

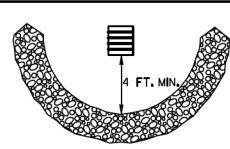

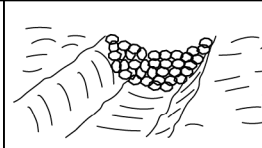

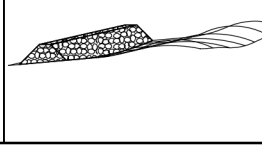

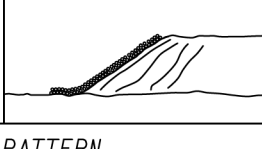

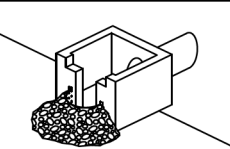

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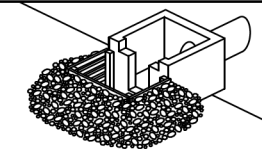

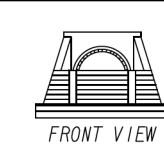
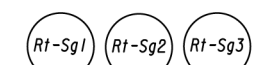
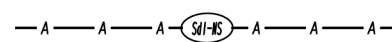
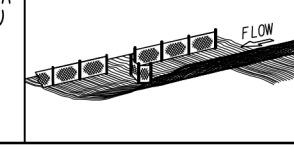
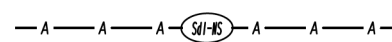
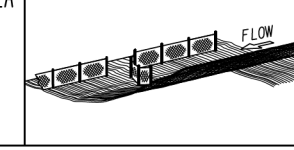
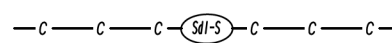
52-0004



NO SCALE



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 		
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 		

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-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES  CONSTRUCTION DETAIL D-20 SECTION 163		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 		
	LINE CODE 		
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 		
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 		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".




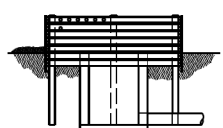

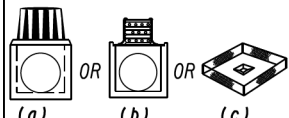

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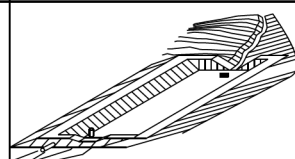
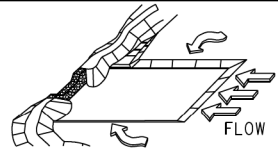
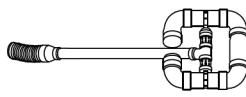
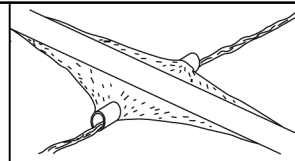
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**EROSION CONTROL LEGEND**  
UNIFORM CODE SHEET  
SHEET 5 OF 7

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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-24C 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:**

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- 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".

**REVISION DATES**

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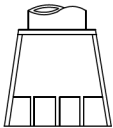

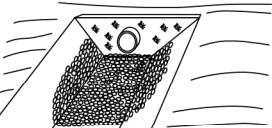
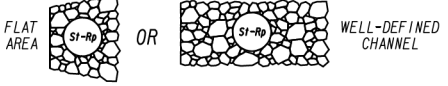
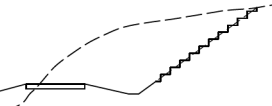
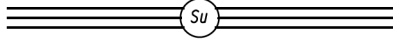
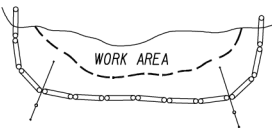
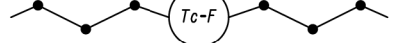
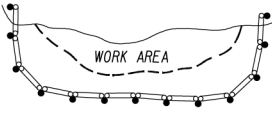
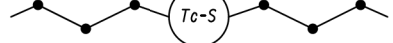
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION  GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO 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-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.
		PATTERN 	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.
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		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		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:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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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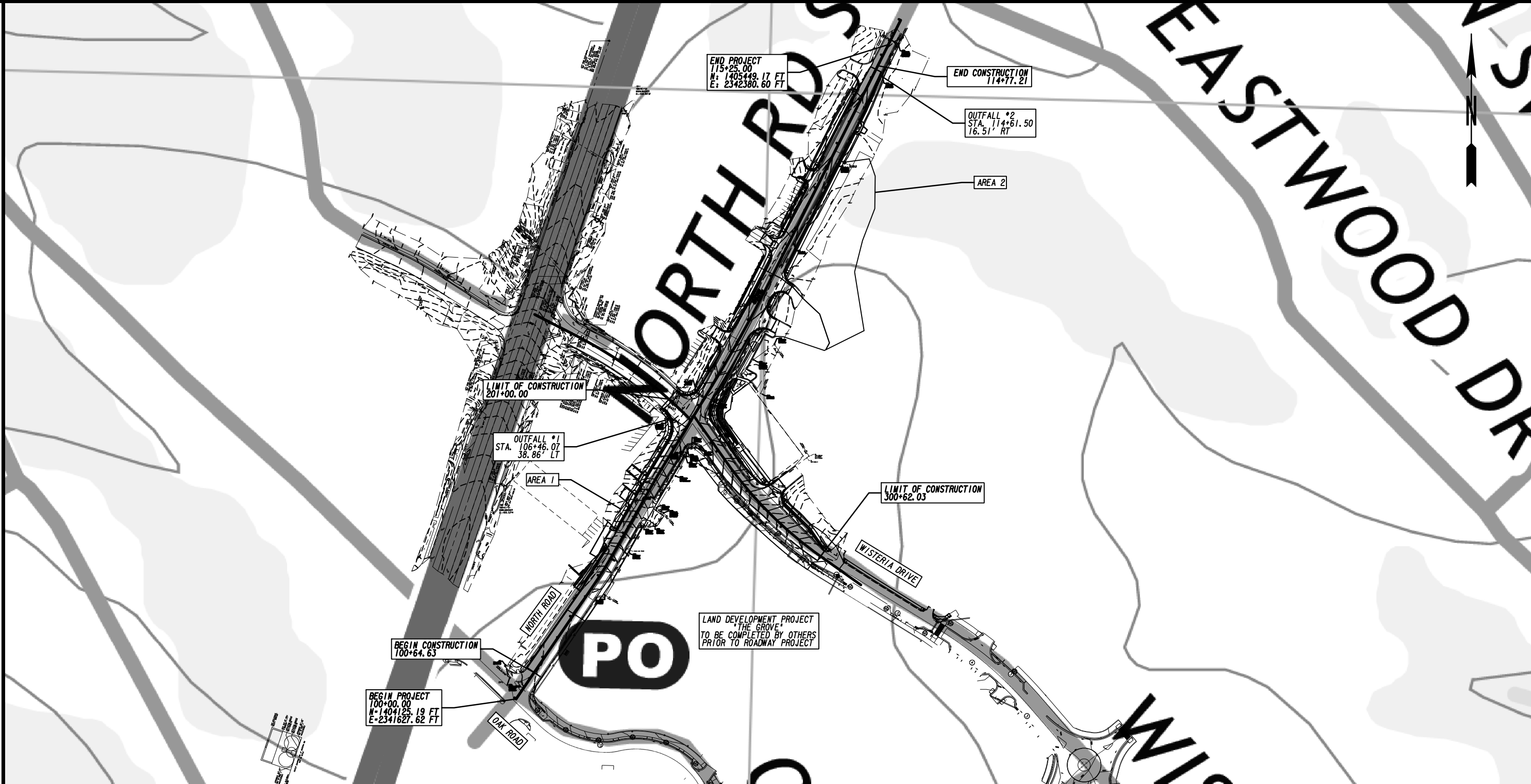
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SHEET 7 OF 7

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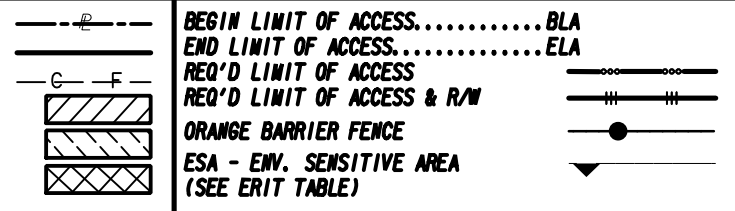
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OUTFALL ID	LOCATION				DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	Q (50) PRE CFS	Q (50) POST CFS	Q (100) PRE CFS	Q (100) POST CFS	V (50) PRE FPS	V (50) POST FPS	V (100) PRE FPS	V (100) POST FPS	C PRE	C POST
	STATION	OFFSET	SIZE (IN)	SIDE												
OUTFALL 1	106+46.07	38.86	24	LT	2.04	0.67	10.6256	17.4333	11.3902	19.1459	11.3267	12.9973	11.5337	13.3245	0.87	0.89
OUTFALL 2	114+61.50	16.51	18	RT	1.23	0.31	5.3608	8.6131	5.7919	9.5007	9.7694	6.3555	5.7555	6.5214	0.77	0.79

TOTAL PROJECT AREA: 3.14 ACRES  
TOTAL DISTURBED AREA: 1.21 ACRES

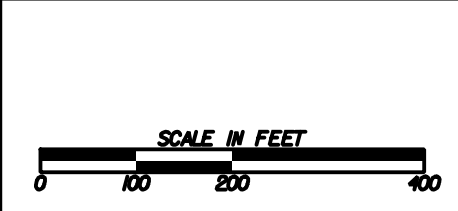
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REQUIRED R/W LINE  
CONSTRUCTION LIMITS  
EASEMENT FOR CONSTR  
& MAINTENANCE OF SLOPES  
EASEMENT FOR CONSTR OF SLOPES  
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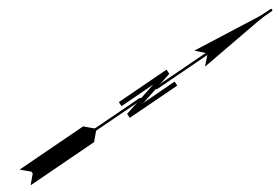
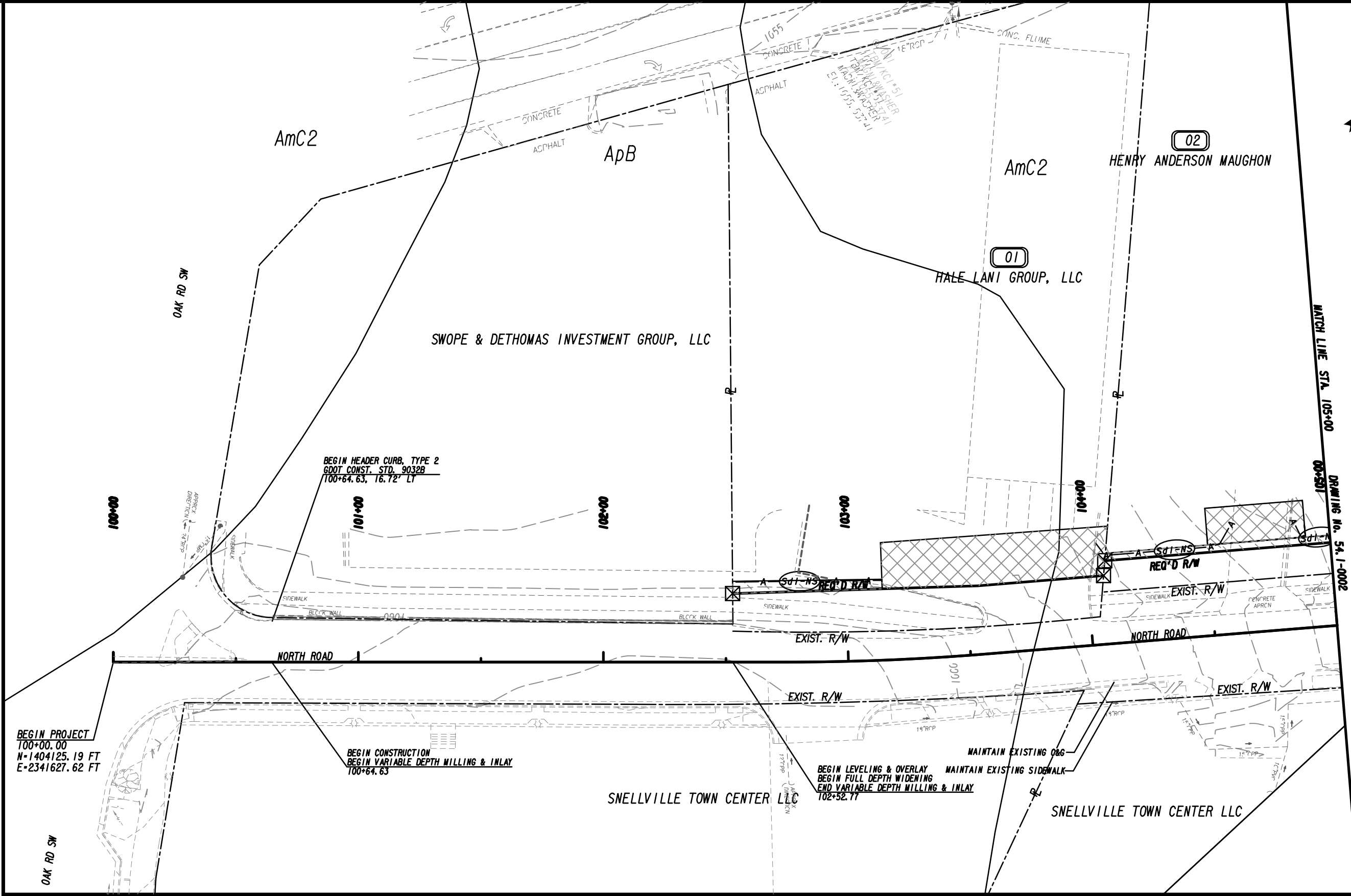
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**EROSION CONTROL DRAINAGE AREA MAP**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

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VERIFIED:	DATE:	



MATCH LINE STA. 105+00  
DRAWING No. 54.1-0002

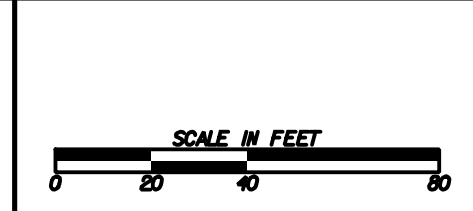
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REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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

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REVISION DATES	

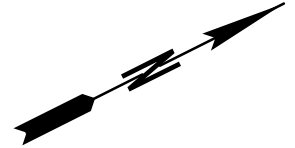
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#### NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS INITIAL PHASE

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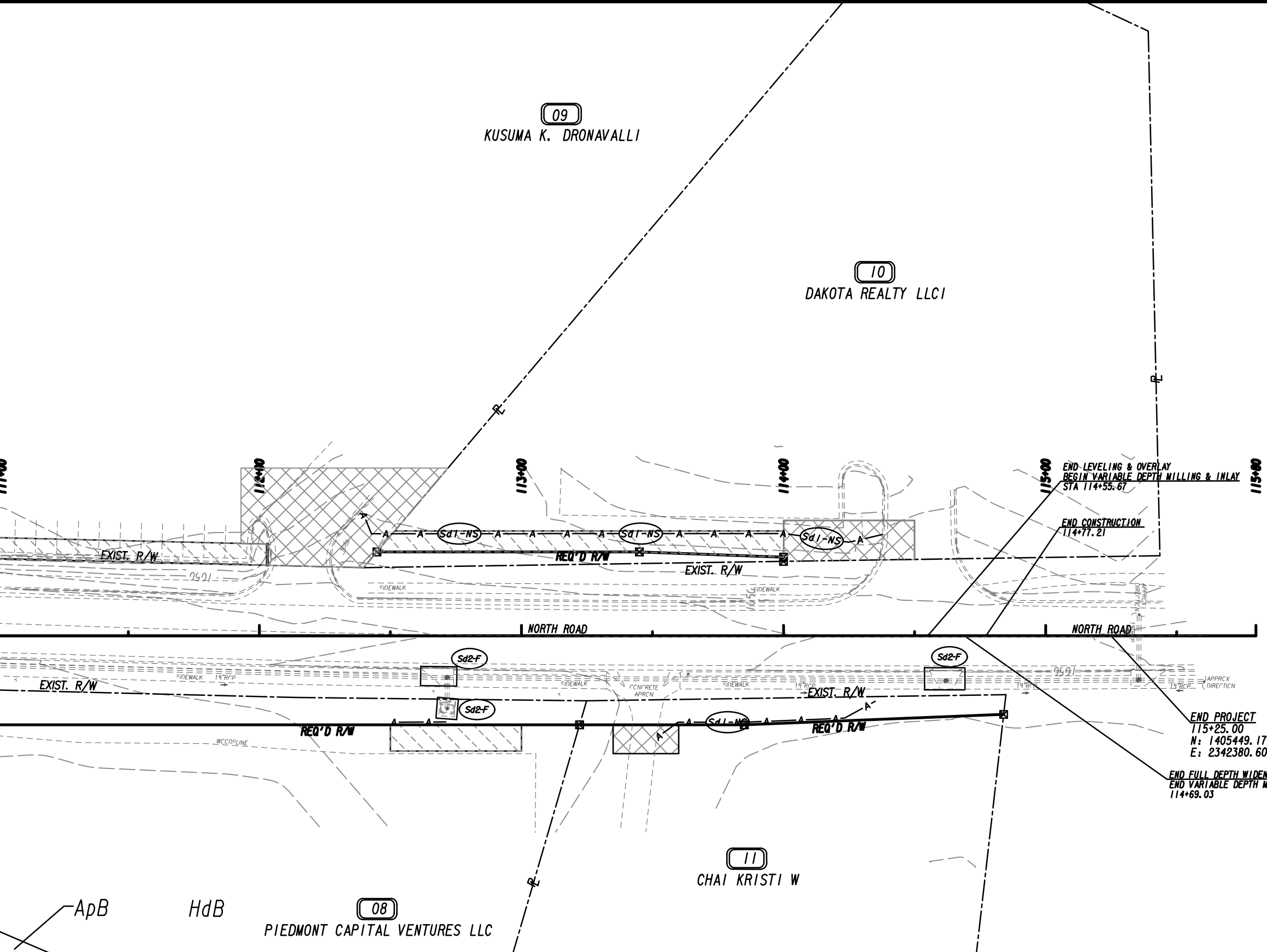
DRAWING No. 54.1-0002  
MATCH LINE STA. 111+00

09  
KUSUMA K. DRONAVALLI

10  
DAKOTA REALTY LLC1

11  
CHAI KRISTI W

08  
PIEDMONT CAPITAL VENTURES LLC



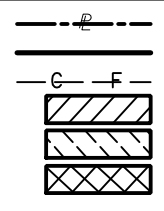
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BEGIN VARIABLE DEPTH MILLING & INLAY  
STA 114+55.67

END CONSTRUCTION  
114+77.21

END PROJECT  
115+25.00  
N: 1405449.17 FT  
E: 2342380.60 FT

END FULL DEPTH WIDENING  
END VARIABLE DEPTH MILLING & INLAY  
114+69.03

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



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



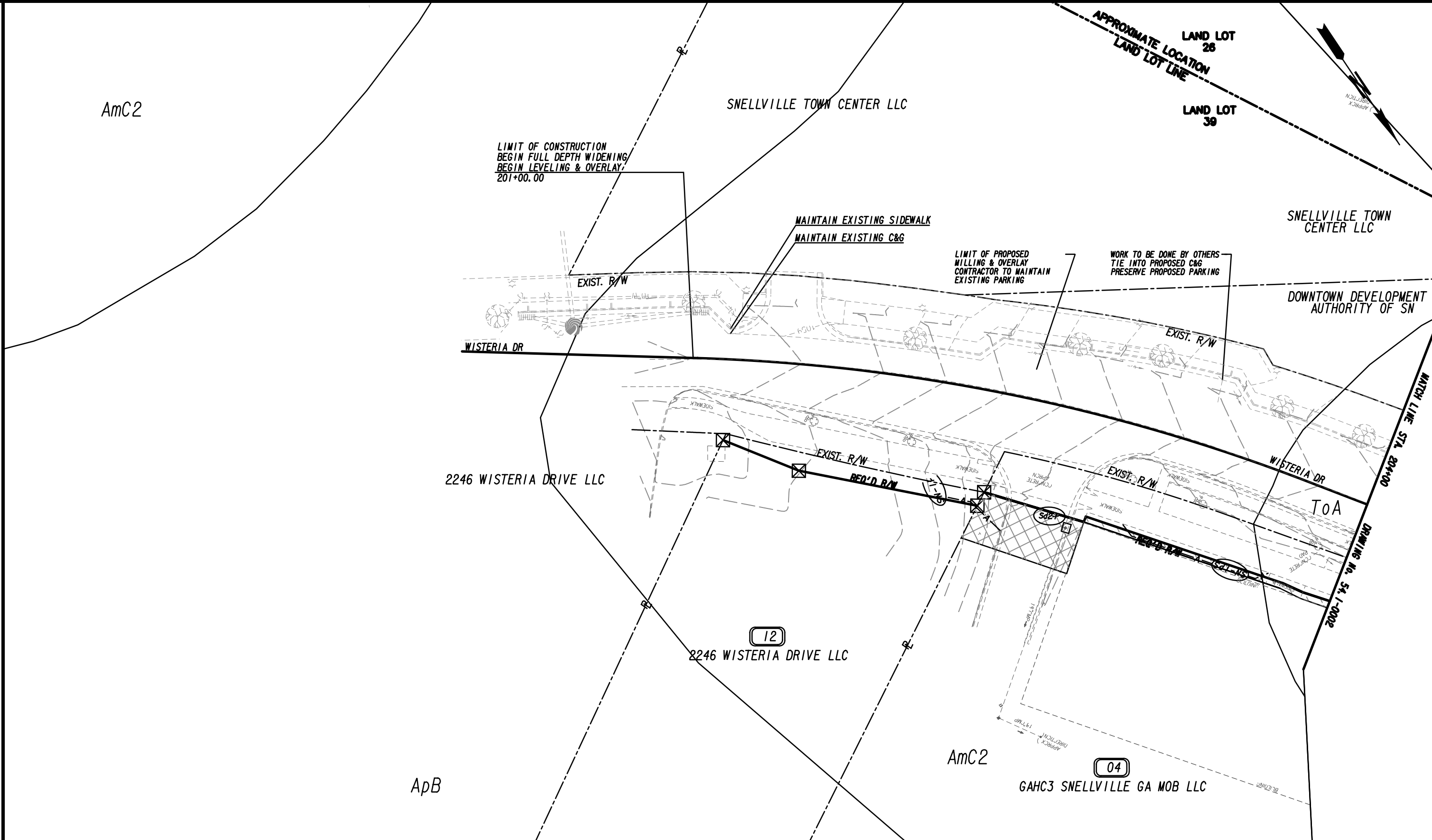
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REVISION DATES	

**BMP LOCATION DETAILS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS  
INITIAL PHASE

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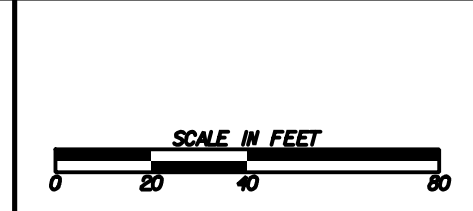
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CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR	---
& MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

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

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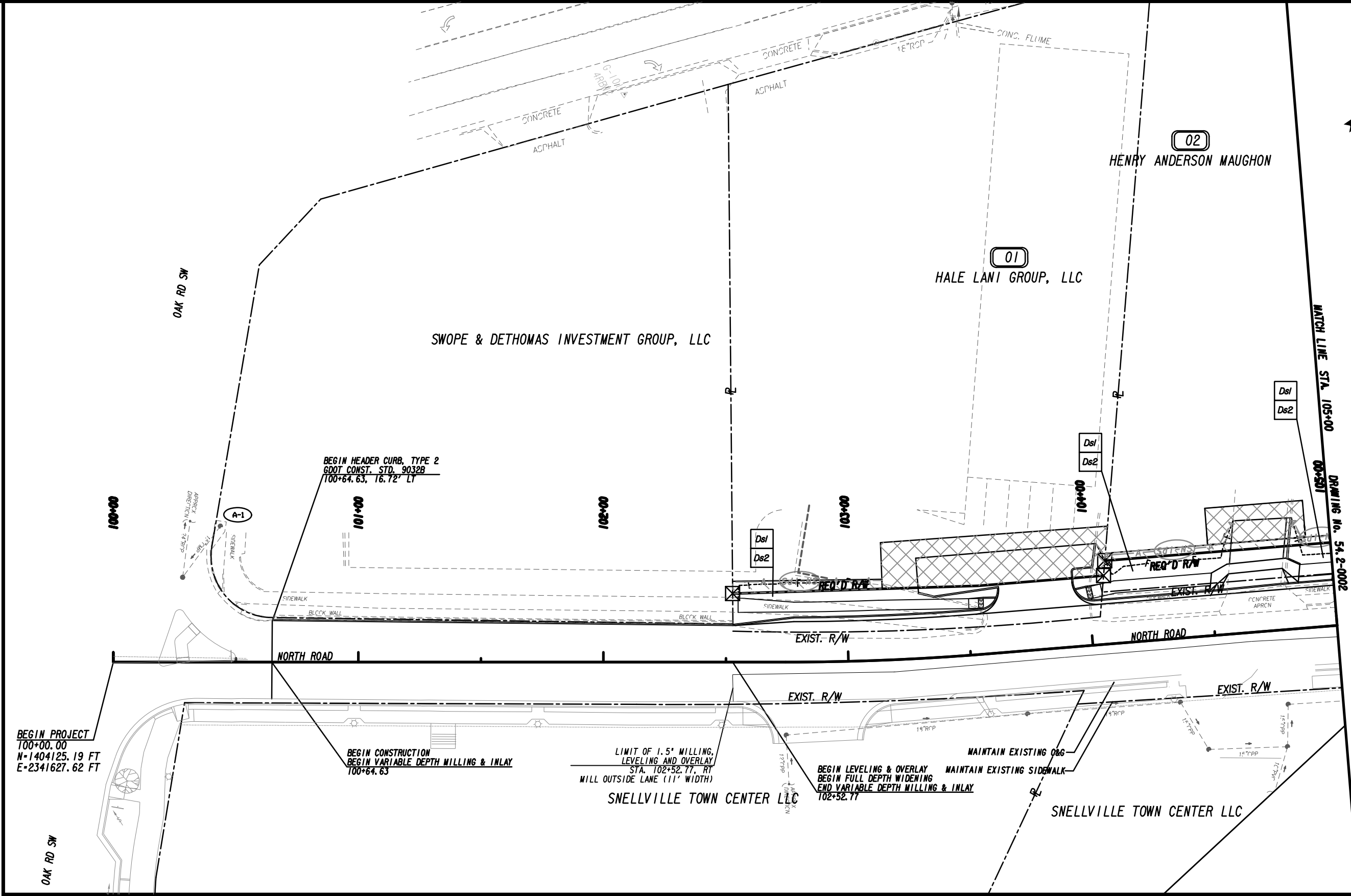
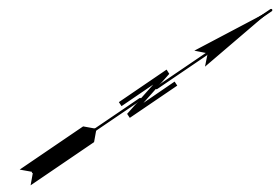
REVISION DATES	

### BMP LOCATION DETAILS

#### NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS INITIAL PHASE

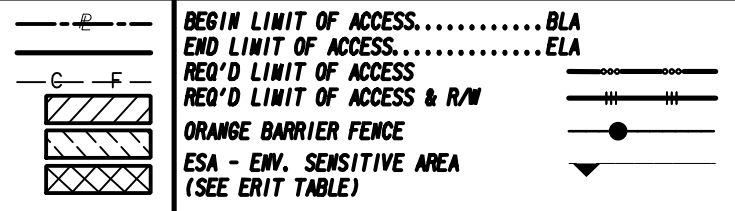
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MATCH LINE STA. 105+00  
DRAWING No. 54.2-002

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



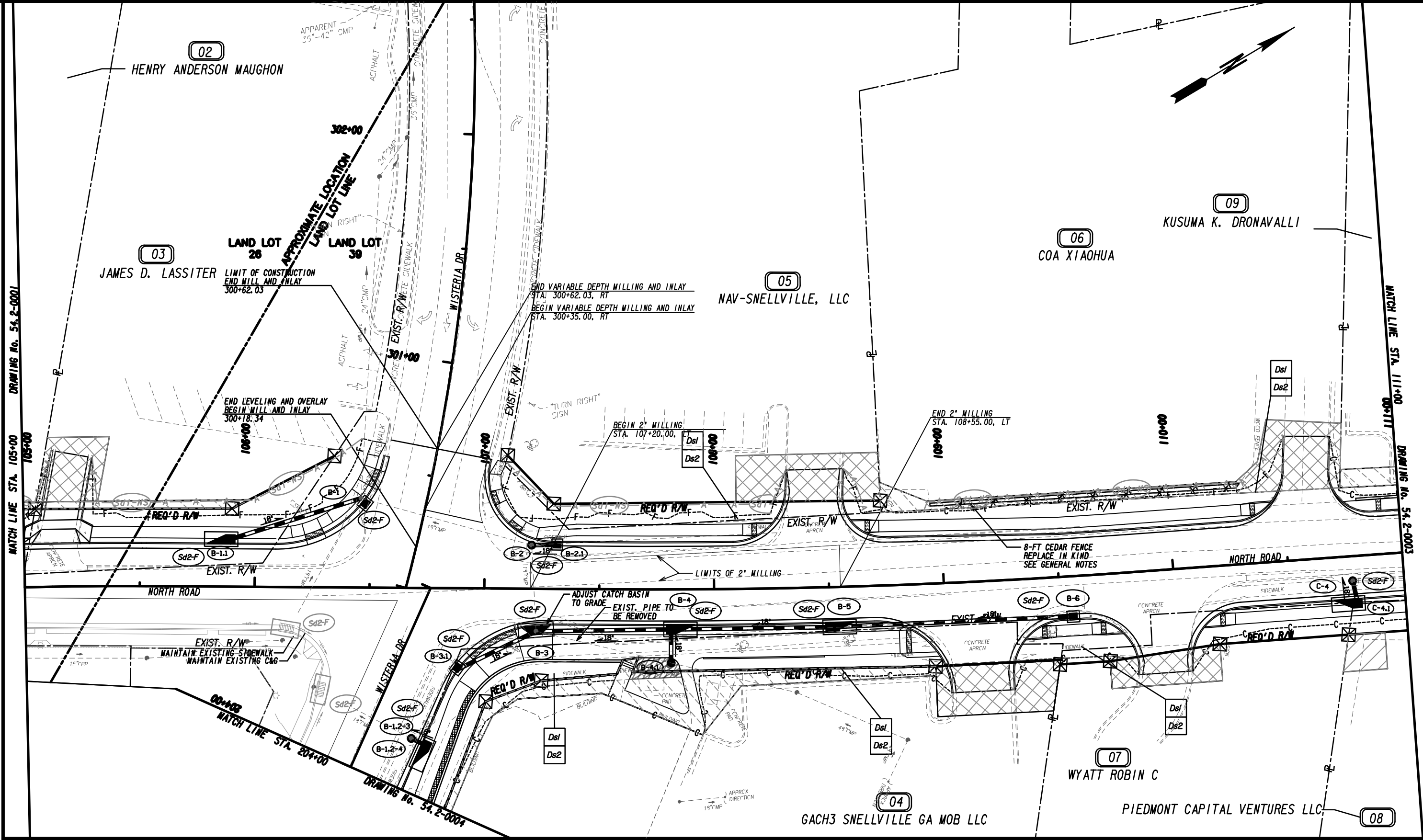
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REVISION DATES	

**BMP LOCATION DETAILS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS  
 INTERMEDIATE PHASE

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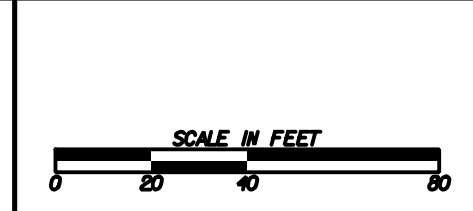


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 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

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

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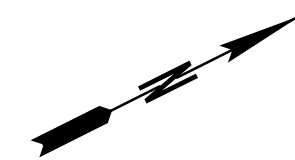
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REVISION DATES	

**BMP LOCATION DETAILS**  
 NORTH ROAD @ WISTERIA DRIVE  
 INTERSECTION IMPROVEMENTS  
 INTERMEDIATE PHASE

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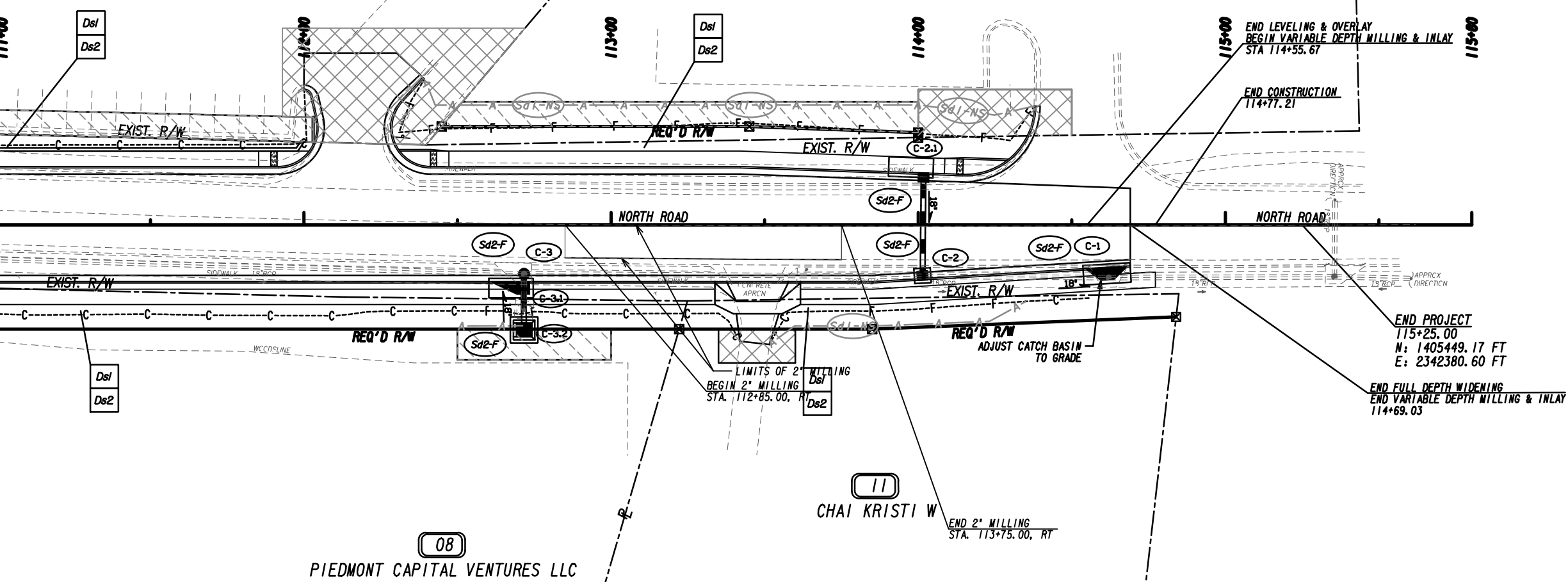
DRAWING No. 54.2-0002  
MATCH LINE STA. 111+00

(09)  
KUSUMA K. DRONAVALLI

(10)  
DAKOTA REALTY LLC I

(08)  
PIEDMONT CAPITAL VENTURES LLC

(11)  
CHAI KRISTI W



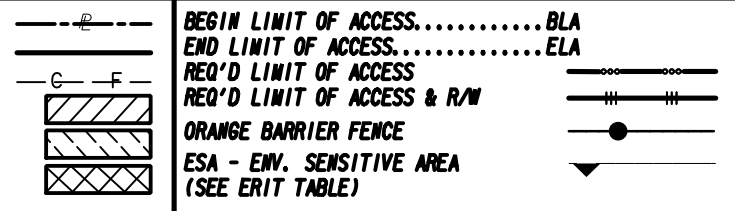
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STA 114+55.67

END CONSTRUCTION  
114+77.21

END PROJECT  
115+25.00  
N: 1405449.17 FT  
E: 2342380.60 FT

END FULL DEPTH WIDENING  
END VARIABLE DEPTH MILLING & INLAY  
114+69.03

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



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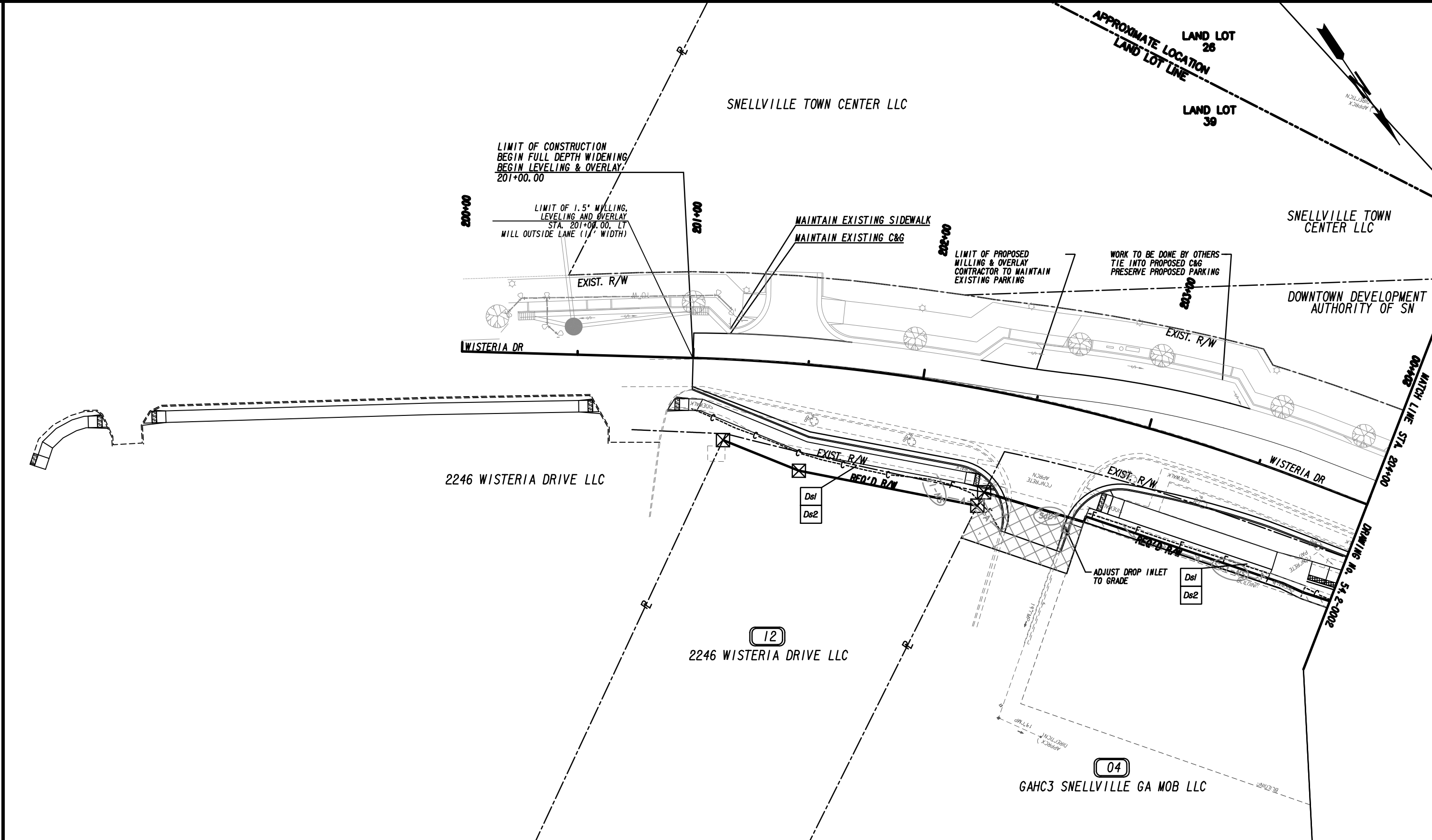
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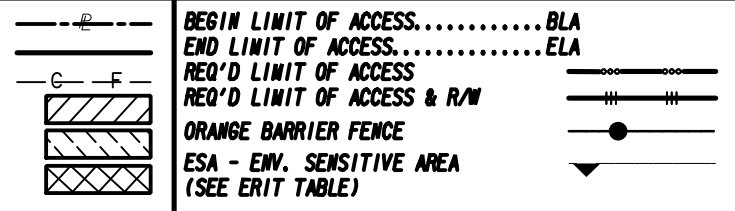
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**BMP LOCATION DETAILS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS  
INTERMEDIATE PHASE

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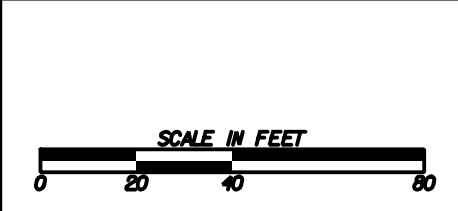


PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
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 EASEMENT FOR CONSTR OF DRIVES



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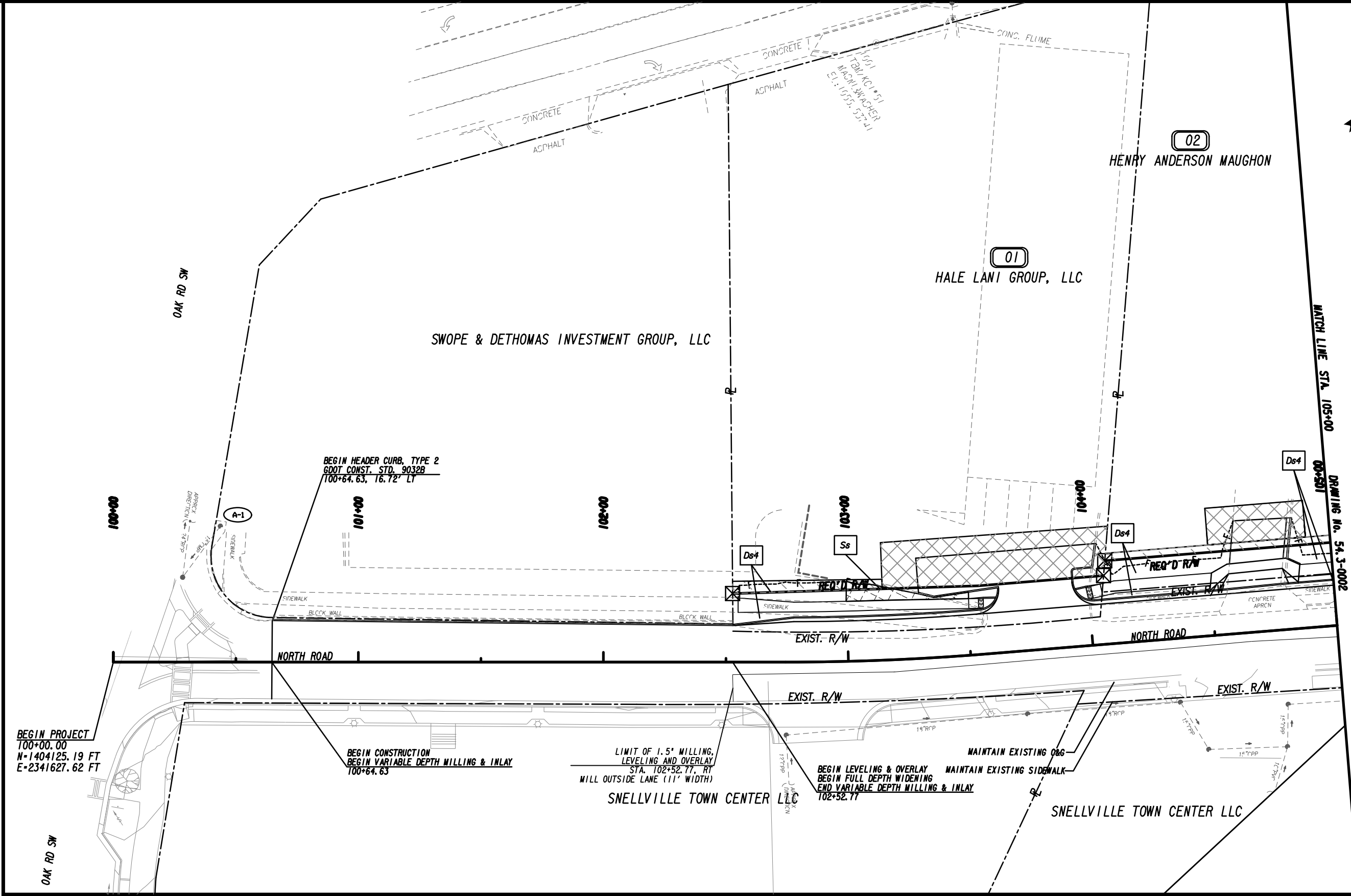
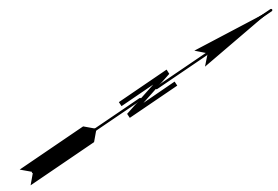
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REVISION DATES	

**BNP LOCATION DETAILS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**  
**INTERMEDIATE PHASE**

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VERIFIED:	DATE:	

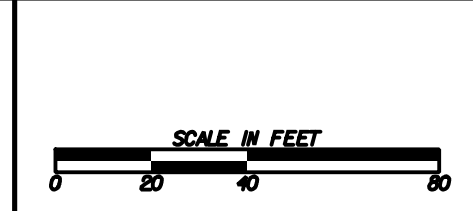


MATCH LINE STA. 105+00  
DRAWING No. 54.3-0002

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


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


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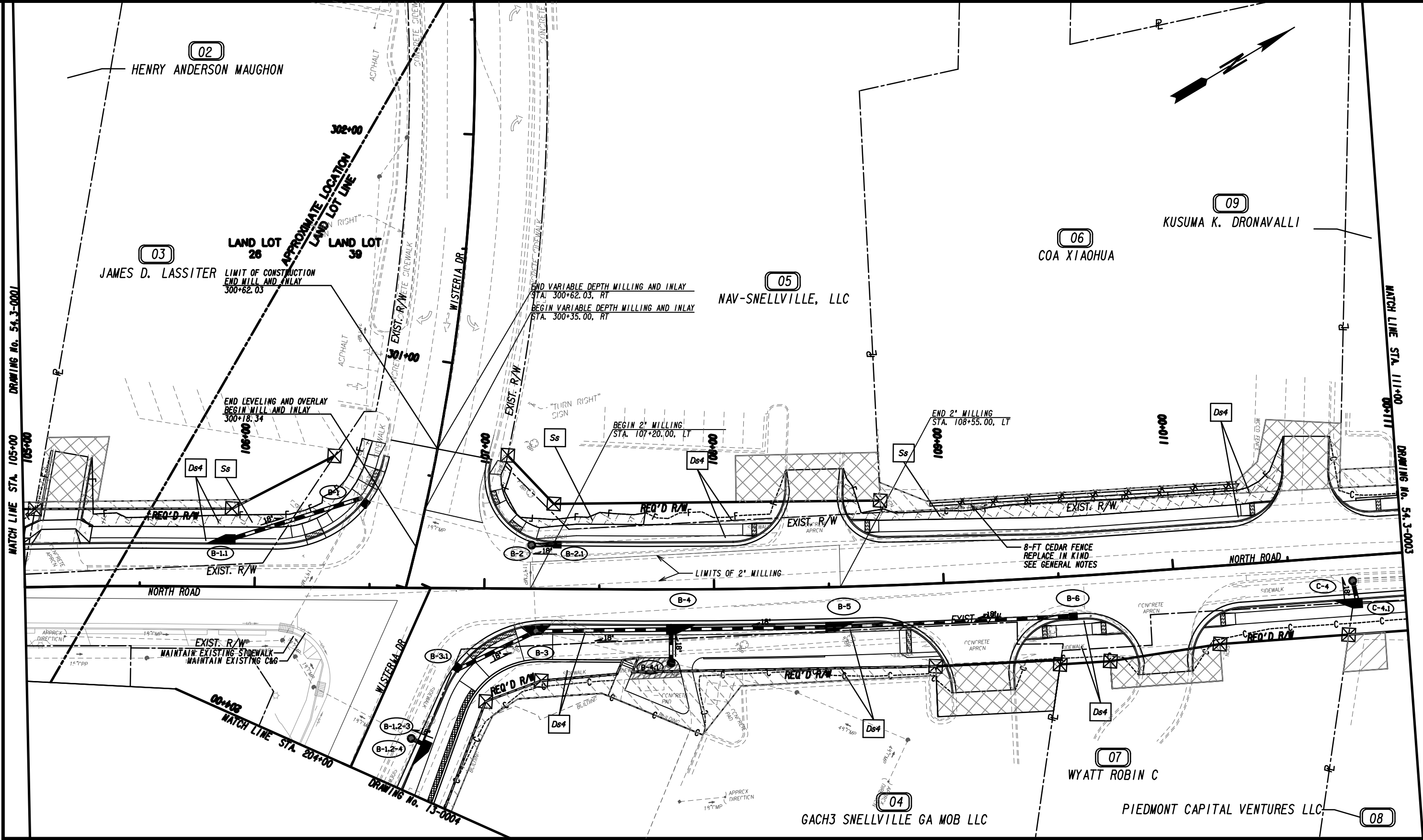


**REVISION DATES**

No.	Description	Date

**BNP LOCATION DETAILS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**  
**FINAL PHASE**

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CORRECTED:	DATE:	
VERIFIED:	DATE:	

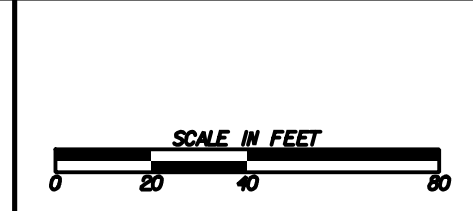


PROPERTY AND EXISTING R/W LINE  
REQUIRED R/W LINE  
CONSTRUCTION LIMITS  
EASEMENT FOR CONSTR  
& MAINTENANCE OF SLOPES  
EASEMENT FOR CONSTR OF SLOPES  
EASEMENT FOR CONSTR OF DRIVES


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


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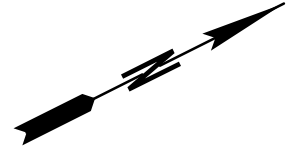


REVISION DATES

NO.	DATE	DESCRIPTION

**BMP LOCATION DETAILS**  
**NORTH ROAD @ WISTERIA DRIVE**  
**INTERSECTION IMPROVEMENTS**  
**FINAL PHASE**

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VERIFIED:	DATE:	



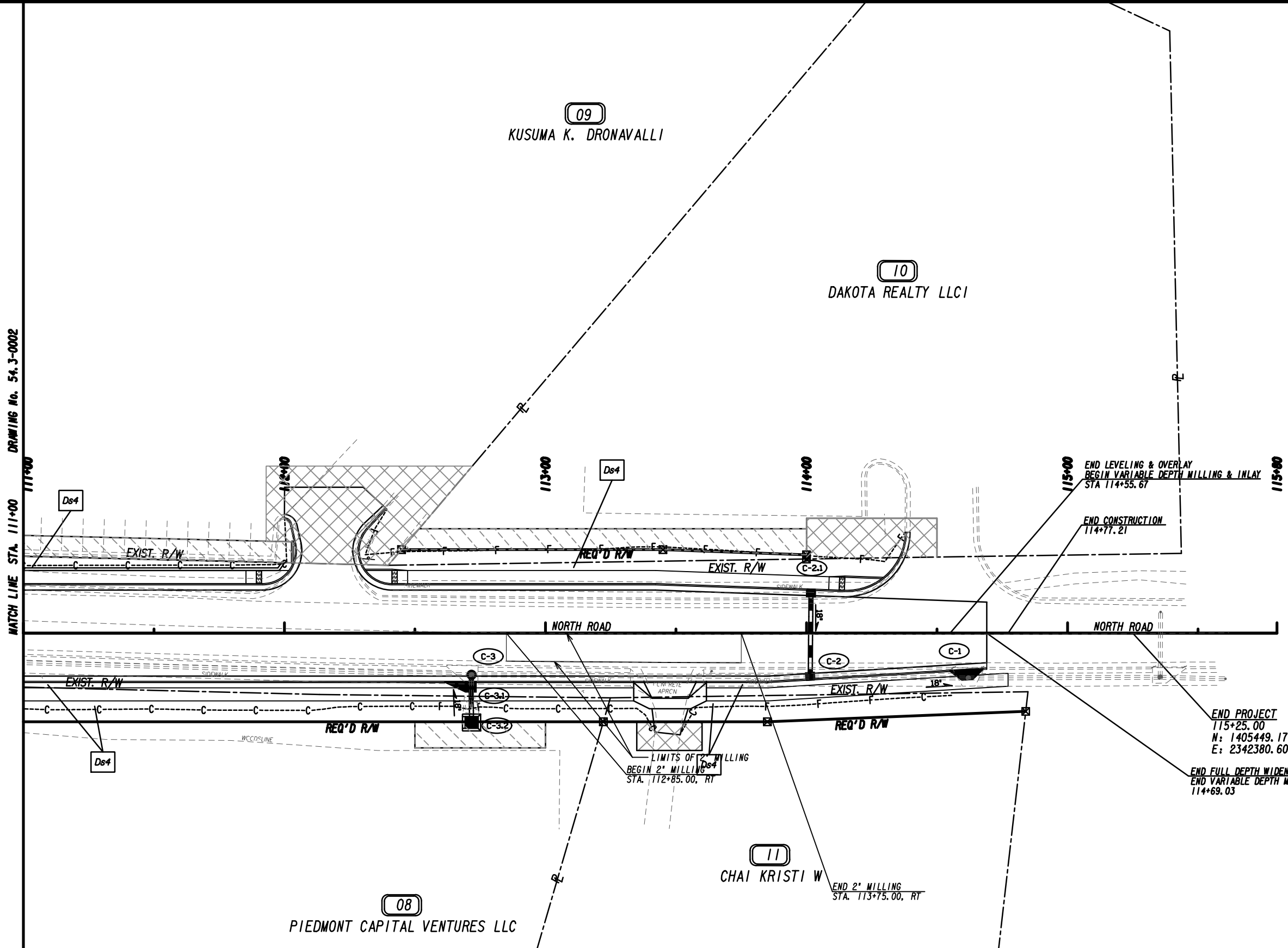
09  
KUSUMA K. DRONAVALLI

10  
DAKOTA REALTY LLC

11  
CHAI KRISTI W

08  
PIEDMONT CAPITAL VENTURES LLC

DRAWING No. 54.3-0002  
MATCH LINE STA. 111+00 111+00



END LEVELING & OVERLAY  
BEGIN VARIABLE DEPTH MILLING & INLAY  
STA 114+55.67

END CONSTRUCTION  
114+77.21

END PROJECT  
115+25.00  
N: 1405449.17 FT  
E: 2342380.60 FT

END FULL DEPTH WIDENING  
END VARIABLE DEPTH MILLING & INLAY  
114+69.03

LIMITS OF 2" MILLING  
BEGIN 2" MILLING  
STA. 112+85.00, RT

END 2" MILLING  
STA. 113+75.00, RT

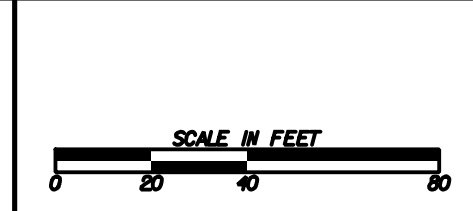
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EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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

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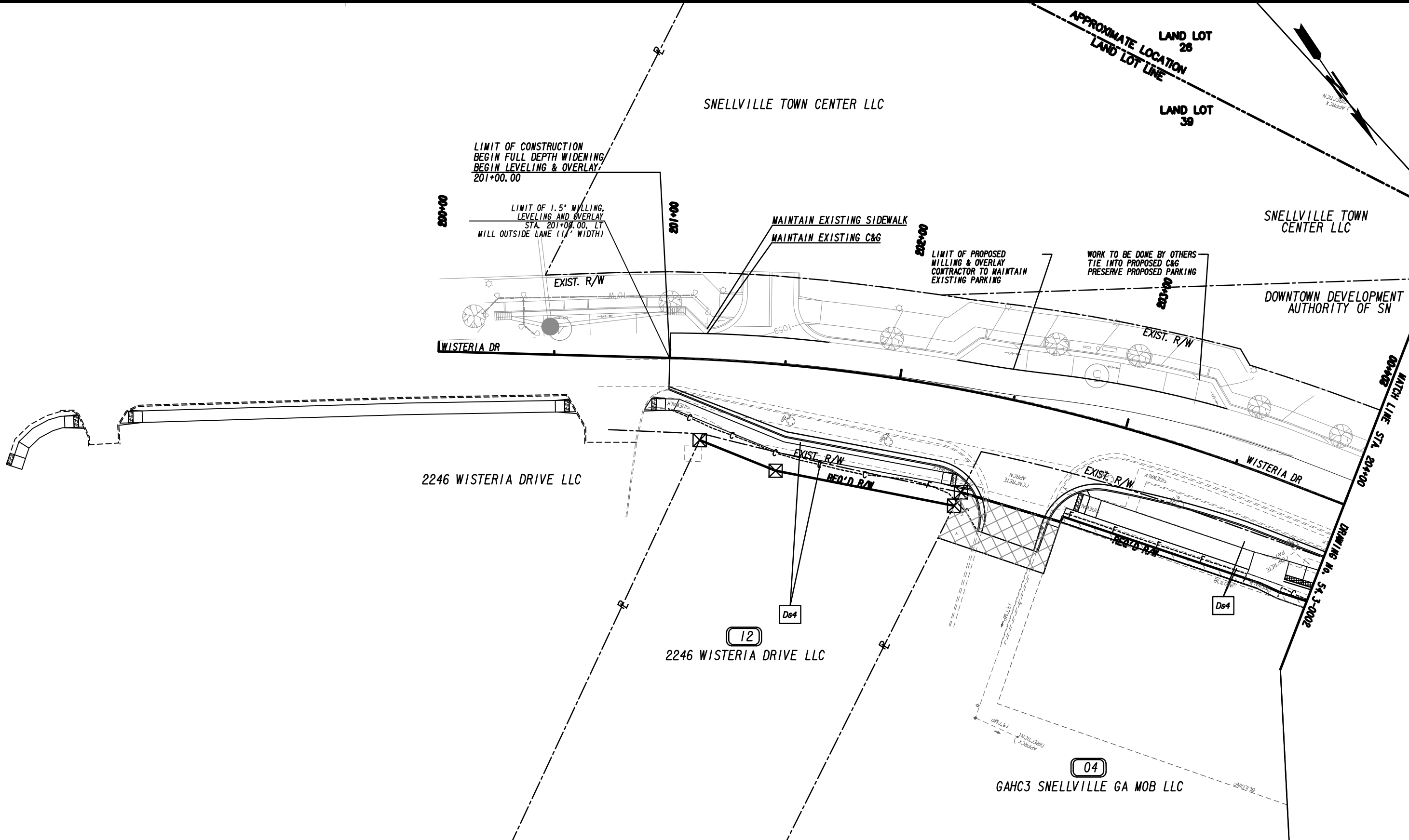
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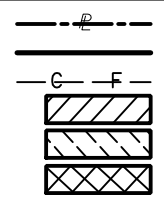


REVISION DATES	

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DRAWING No.			54.3-0003



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



BEGIN LIMIT OF ACCESS.....BLA  
 END LIMIT OF ACCESS.....ELA  
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 ESA - ENV. SENSITIVE AREA  
 (SEE ERIT TABLE)



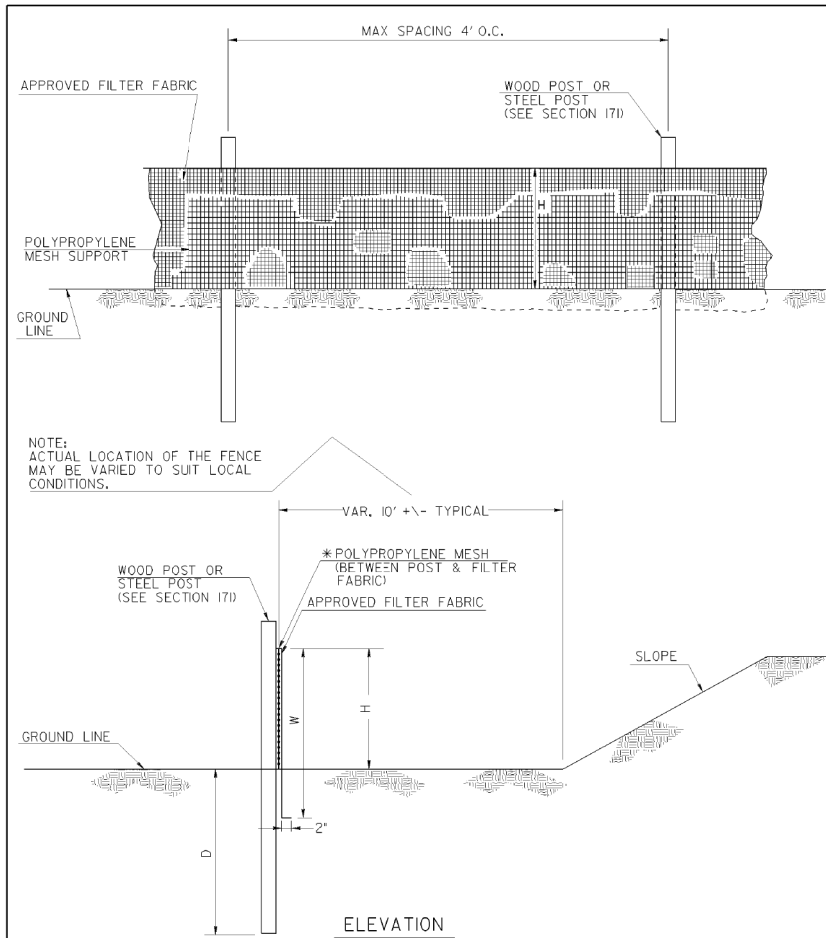
REVISION DATES	

BMP LOCATION DETAILS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS FINAL PHASE			
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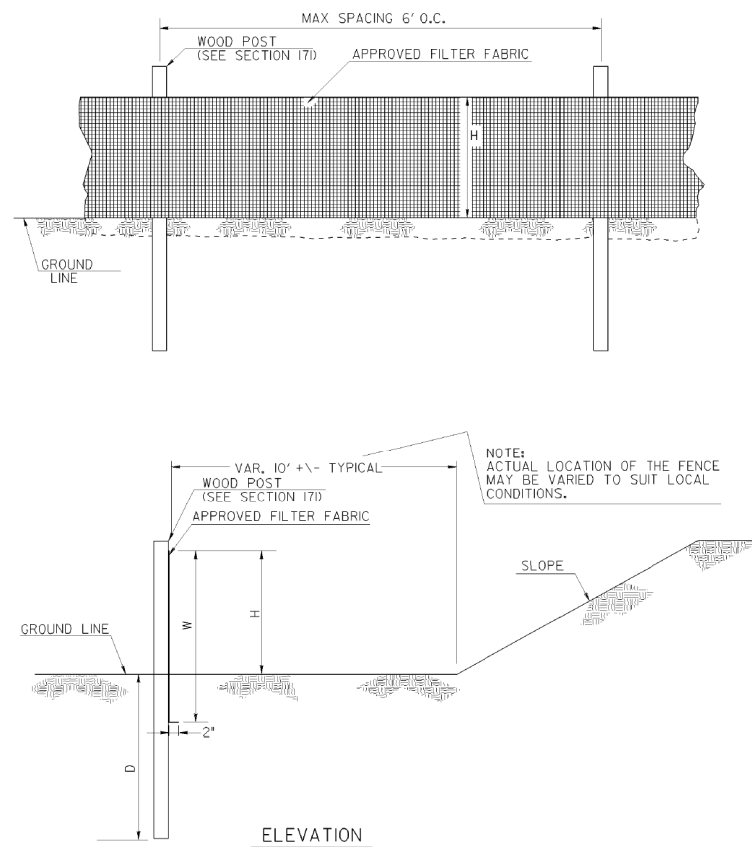




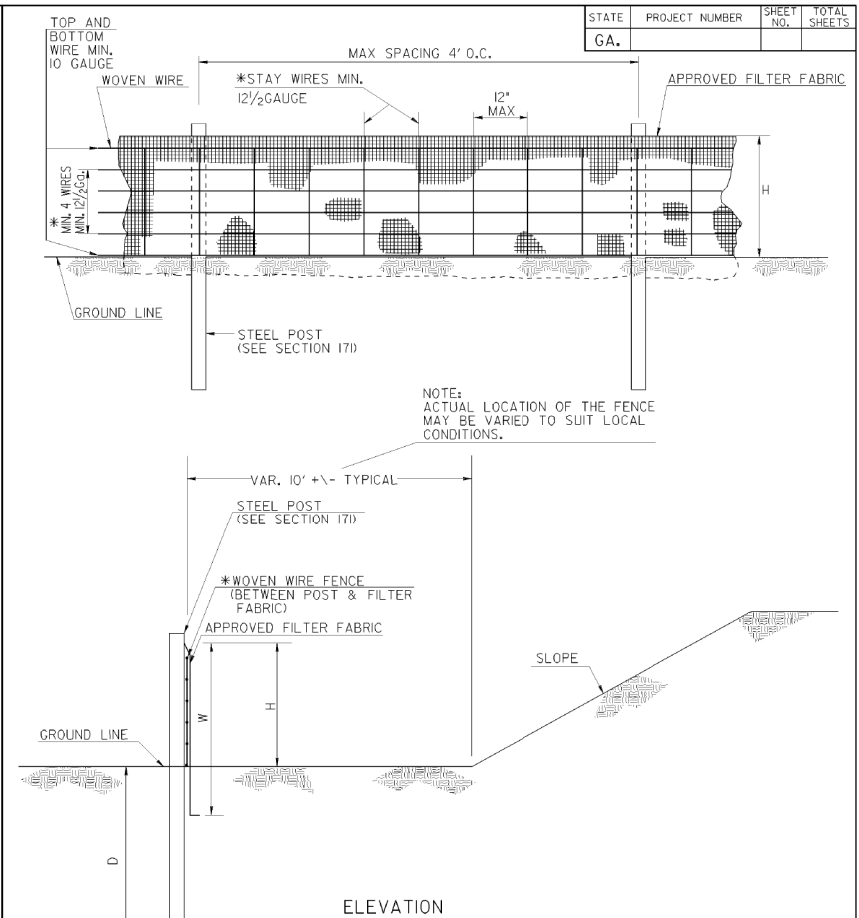
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SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



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 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST 3/4 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 12 1/2 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 OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE
BY	NO SCALE REV. AND REDRAWN JAN, 2011
	NUMBER D-24A (SHEET 1 OF 4)

1/18/2011 1:25:13 PM \\GDOT\DSN\G0PLOT\GCF\G0\_K198000.dcf gowens V:\GARY\UG6\Construction Details\D-24A\D-24A.dwg 00-006

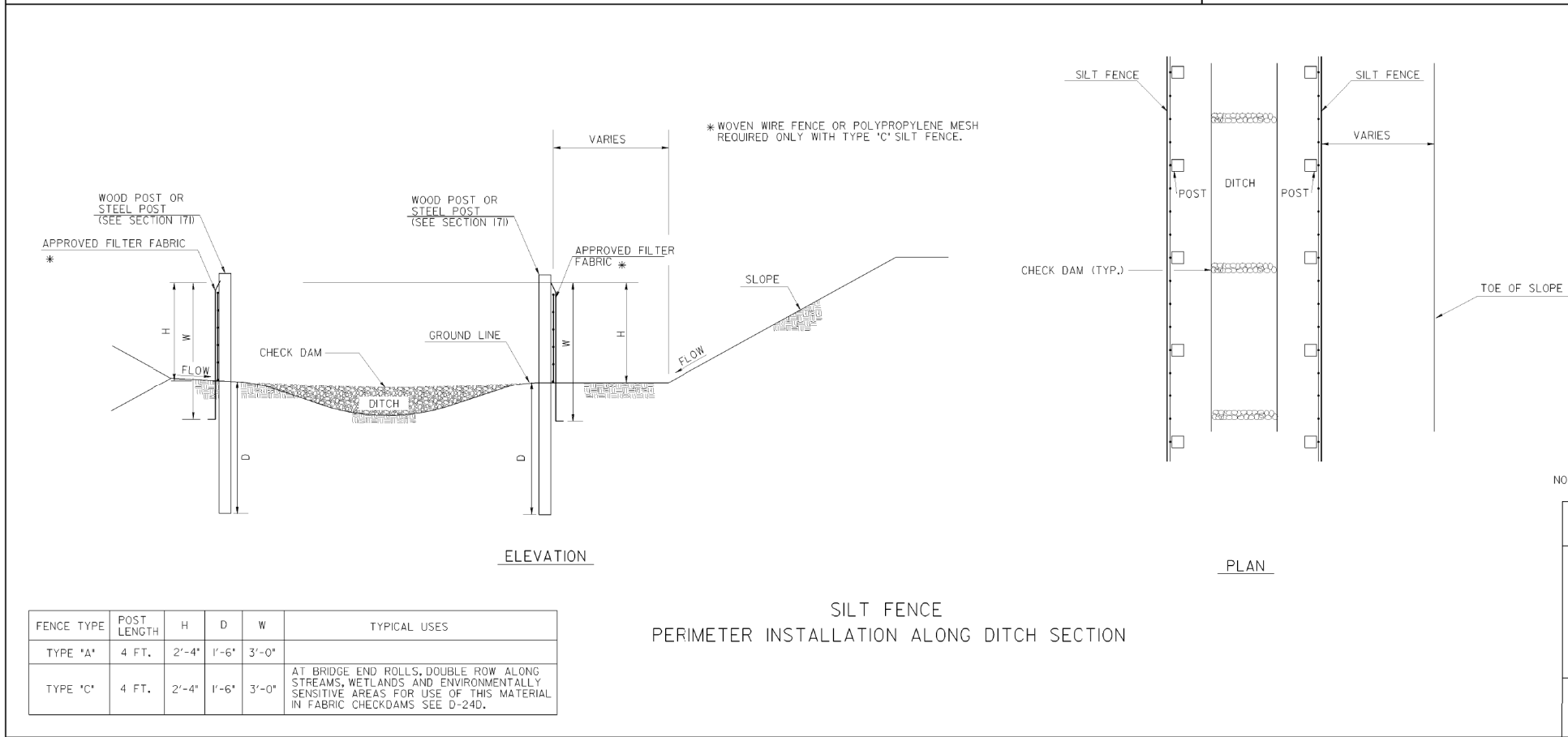
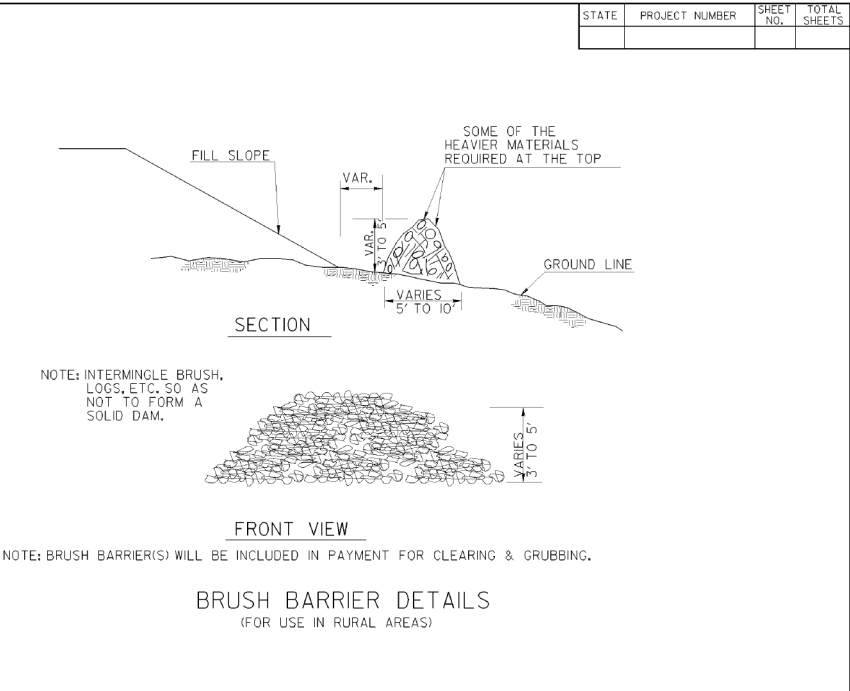
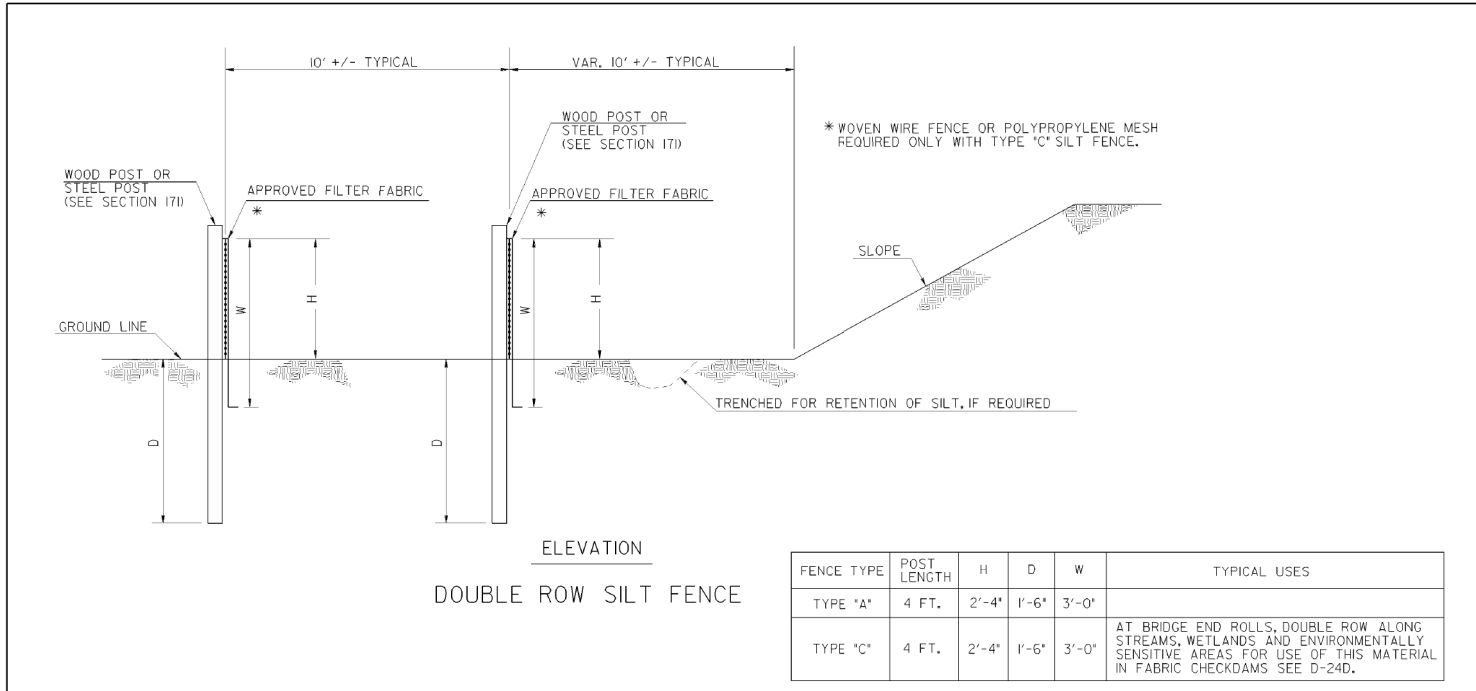


REVISION DATES


**EROSION CONTROL CONSTRUCTION DETAILS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER
BY	NO SCALE REV. AND REDRAWN JAN. 2011
	NUMBER D-24B (SHEET 2 OF 4)

1/18/2011 2:04:43 PM \\GDOT-DSN\G0PLOT\GCF\00\_K198000.dcf gowens V:\GARY\Rev. Construction Details\D-24B\D-24B.prf

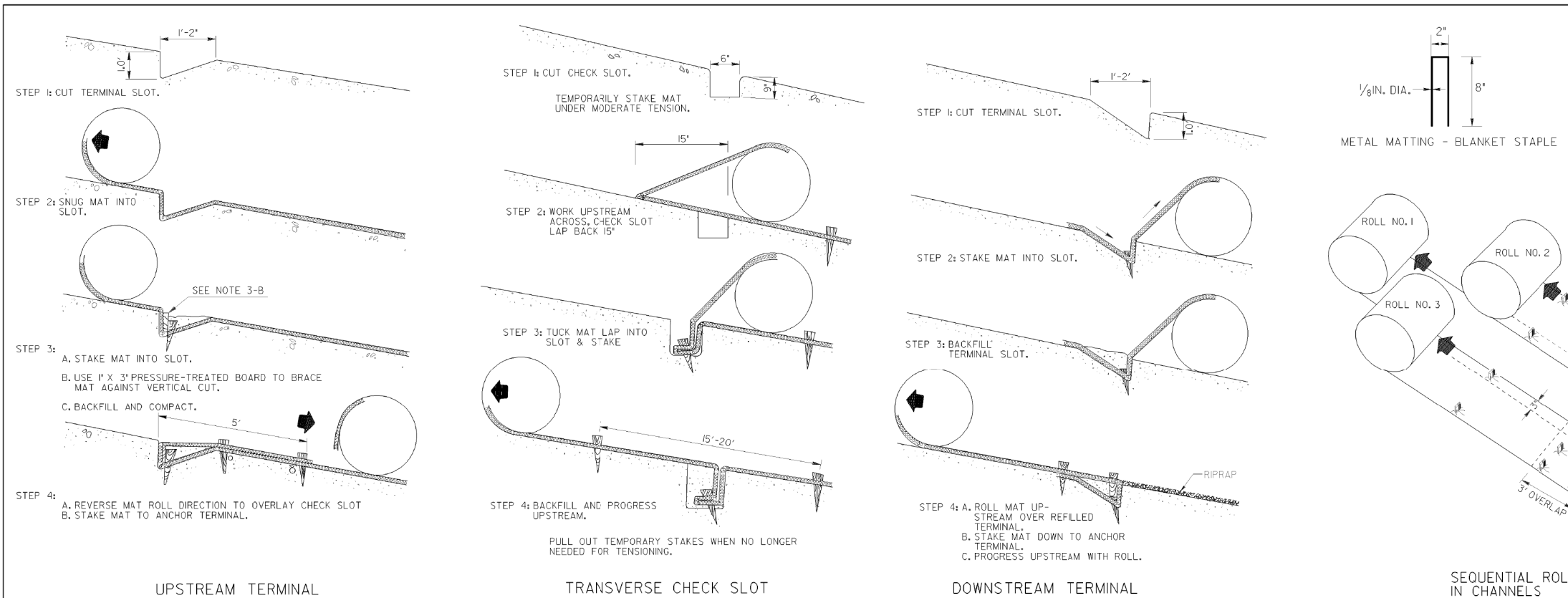


REVISION DATES		EROSION CONTROL CONSTRUCTION DETAILS	
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VERIFIED:	DATE:		

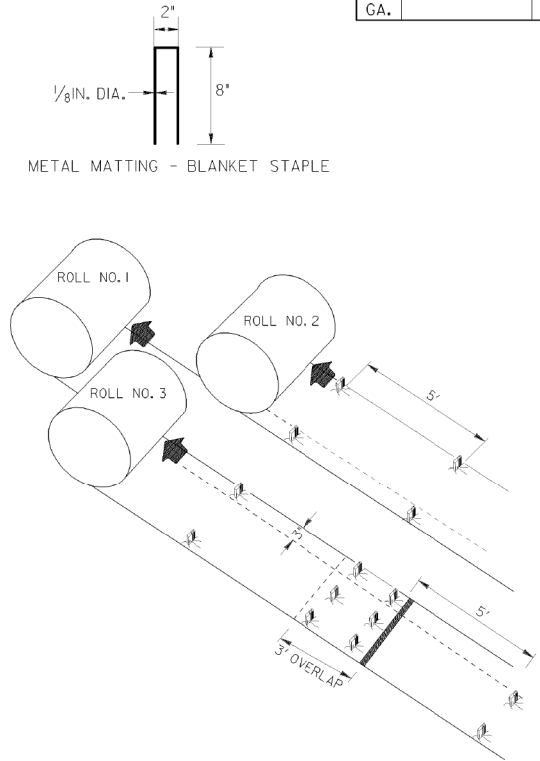




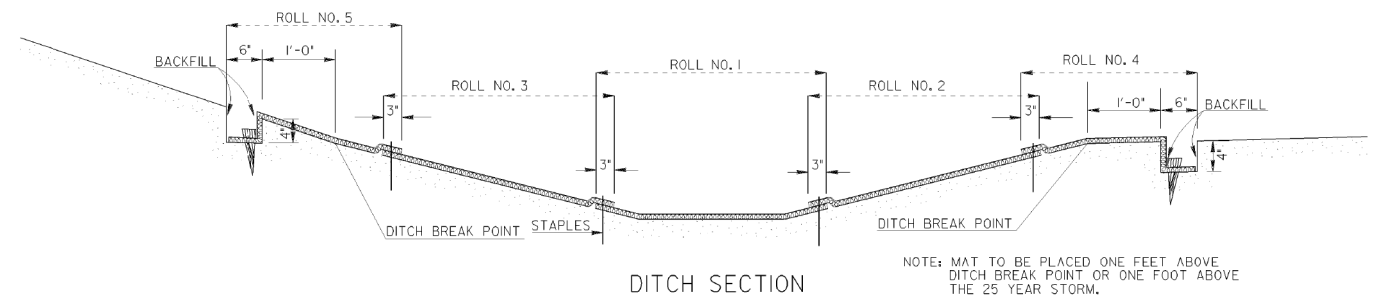
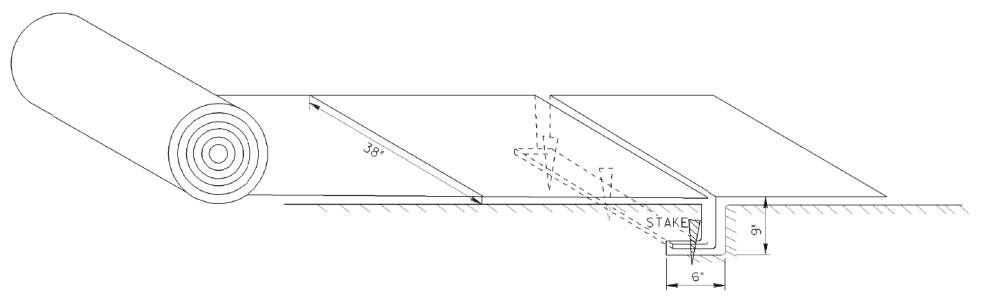
1/18/2017 9:32:29 AM \\GDOT-DSN1\G0PLOT\FY00\_K198000.dcf gowens V:\GARY\Ust. Construction Details\10-35\10-35.dwg 60-RDS



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



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



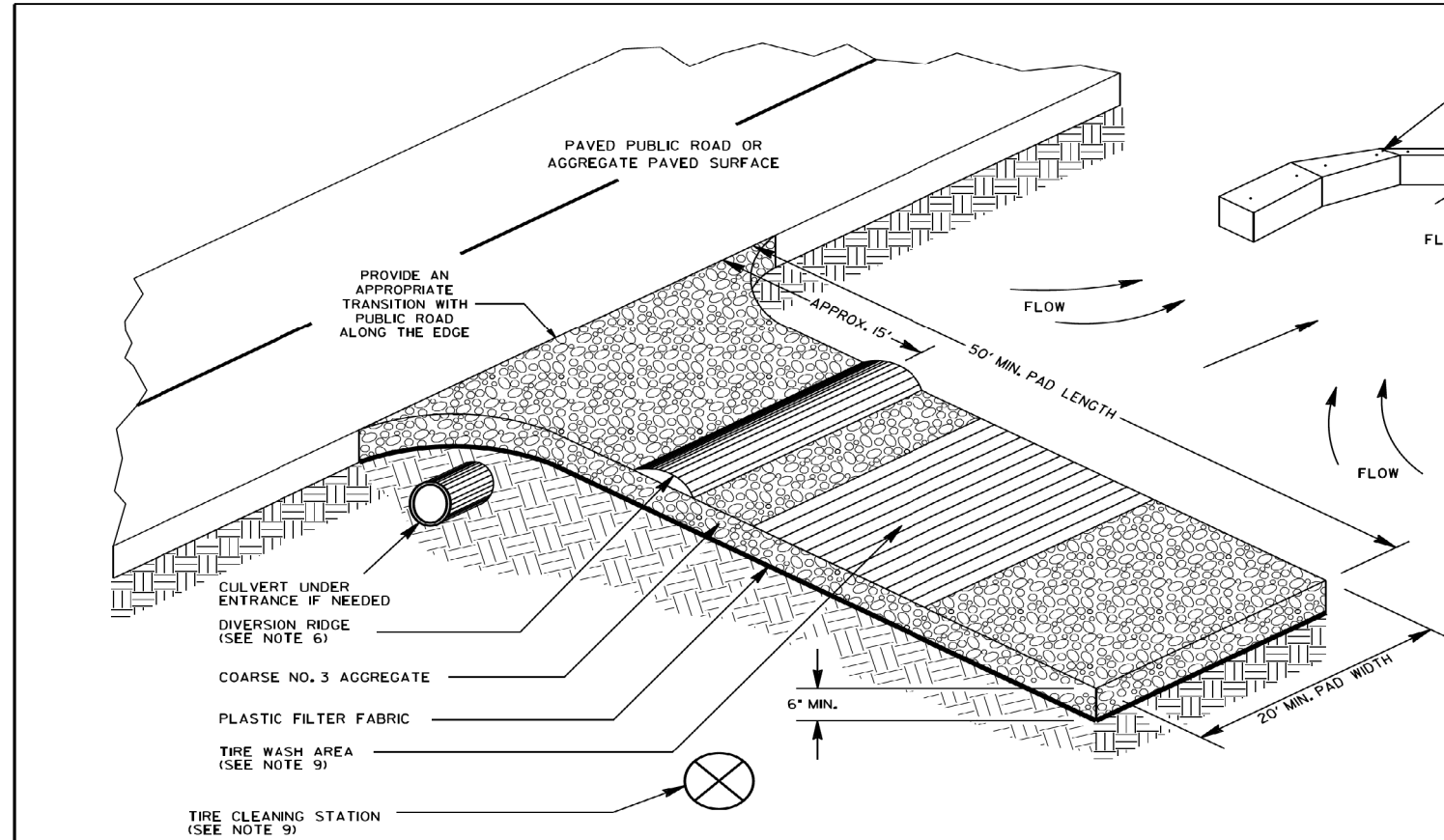
REVISION		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISED SHEET LAYOUT & ADDED DITCH SECTION, ADDED METAL STAPLE.			CONSTRUCTION DETAILS PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MATS) INSTALLATION ON DITCHES	
T.P.C.	BY	DESIGNED DRAWN TRACED CHECKED	NO SCALE	AUGUST 1988
				NUMBER D-35

1/18/2017 9:32:29 AM \\GDOT-DSN1\G0PLOT\FY00\_K198000.dcf gowens V:\GARY\Ust. Construction Details\10-35\10-35.dwg 60-RDS



REVISION DATES		EROSION CONTROL CONSTRUCTION DETAILS NORTH ROAD @ WISTERIA DRIVE INTERSECTION IMPROVEMENTS	
		CHECKED:	DATE:
		BACKCHECKED:	DATE:
		CORRECTED:	DATE:
		VERIFIED:	DATE:
DRAWING No.			56-0004

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

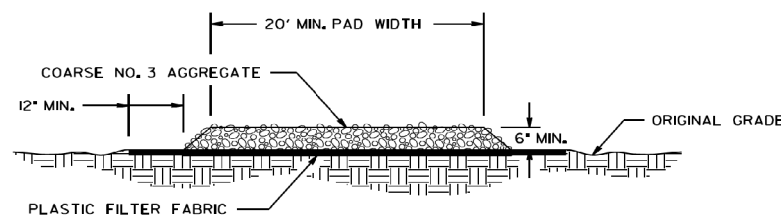


**GENERAL NOTES:**

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.  
  
THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER, ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.  
  
SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

<b>PAY ITEM:</b>	163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
	165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
	165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)
<b>PAY ITEM:</b>	FOR FIELD USE ONLY ACCORDING TO SECTION 163		
	163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)

**ENTRANCE ELEVATION**



11-04-20		DEPARTMENT OF TRANSPORTATION	
11-04-20		STATE OF GEORGIA	
11-04-20		CONSTRUCTION DETAILS	
11-04-20		CONSTRUCTION EXIT	
NO SCALE		FEBRUARY 2001	
NUMBER		D-41	

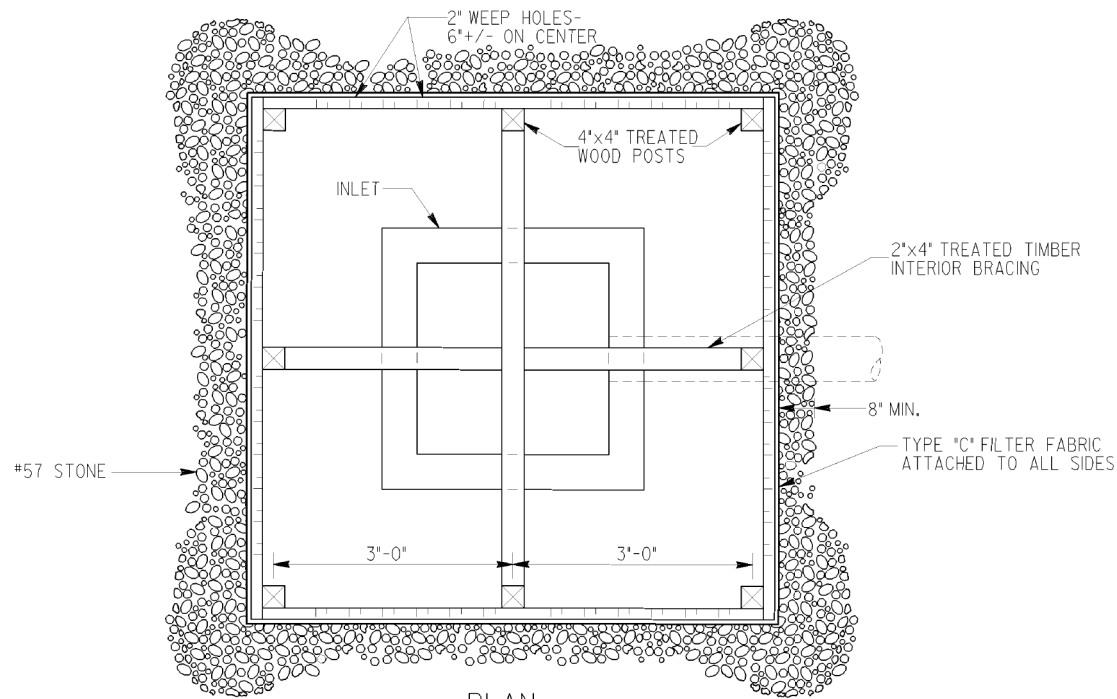
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**CHA**

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<b>REVISION DATES</b>		<b>EROSION CONTROL CONSTRUCTION DETAILS</b>	
		NORTH ROAD @ WISTERIA DRIVE	
		INTERSECTION IMPROVEMENTS	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	56-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

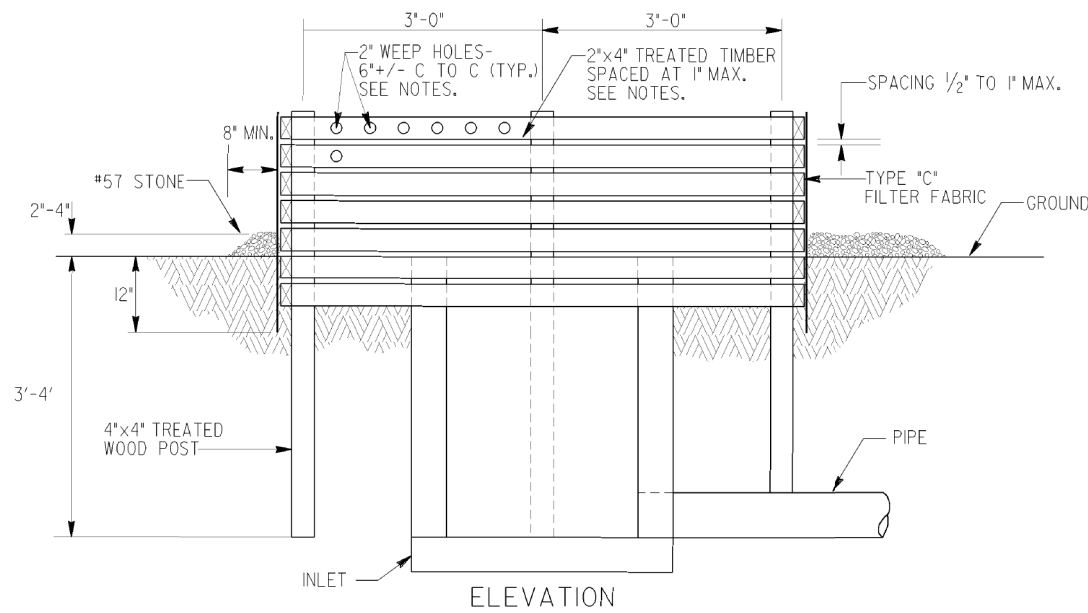
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



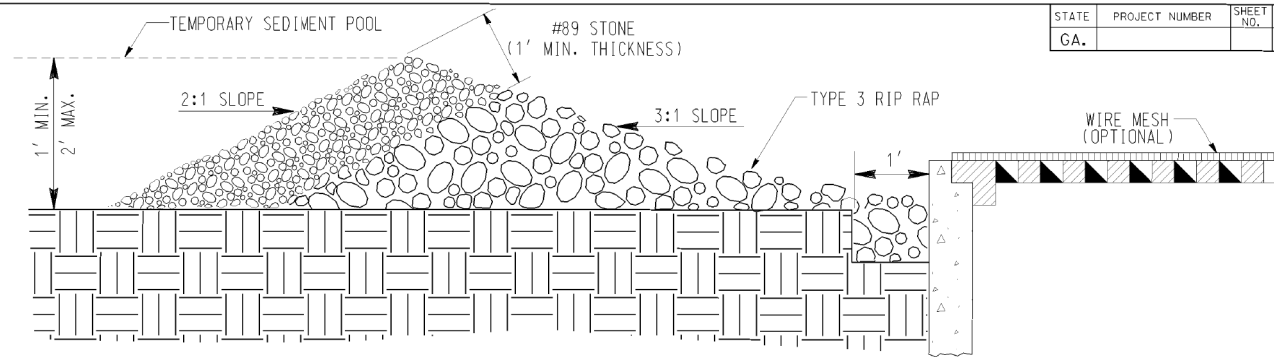
NOTES:

BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

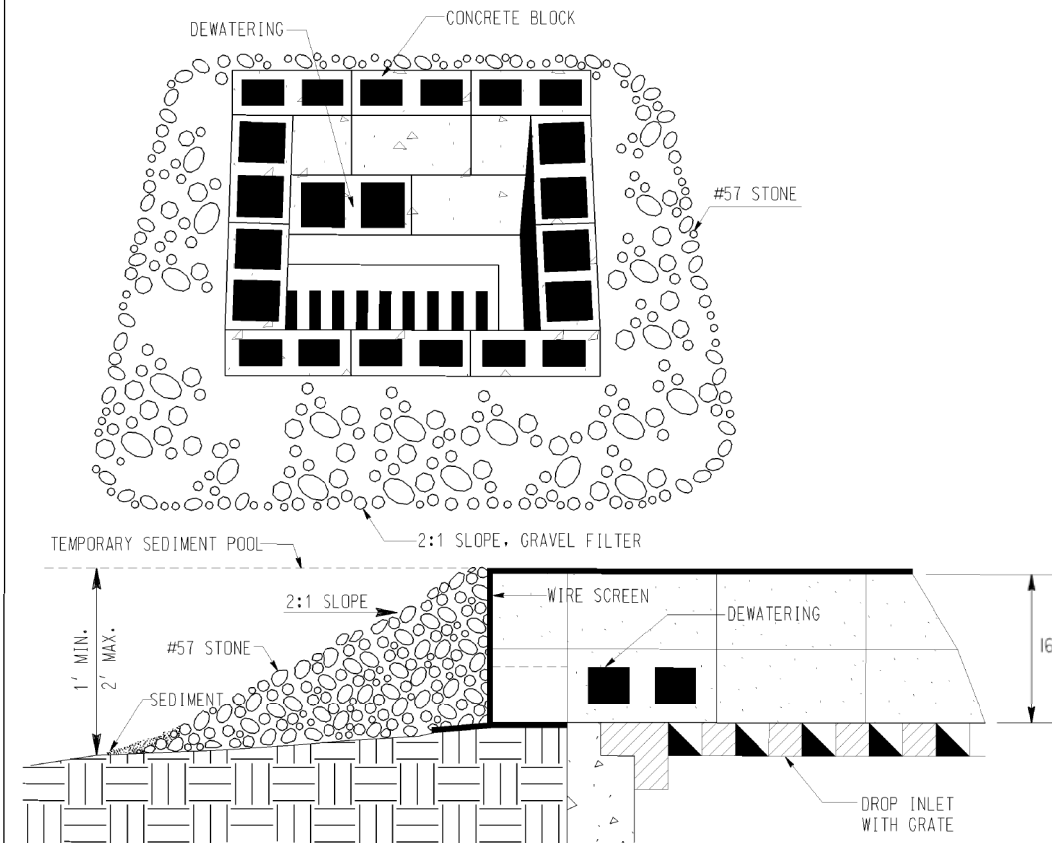
GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.



BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G



BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:  
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP \_\_\_\_\_ EACH

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAIL INLET SEDIMENT TRAPS BAFFLE BOX Sd2-B BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg GRAVEL DROP INLET PROTECTION Sd2-G NO SCALE MAY 2008
BY	NUMBER D-42

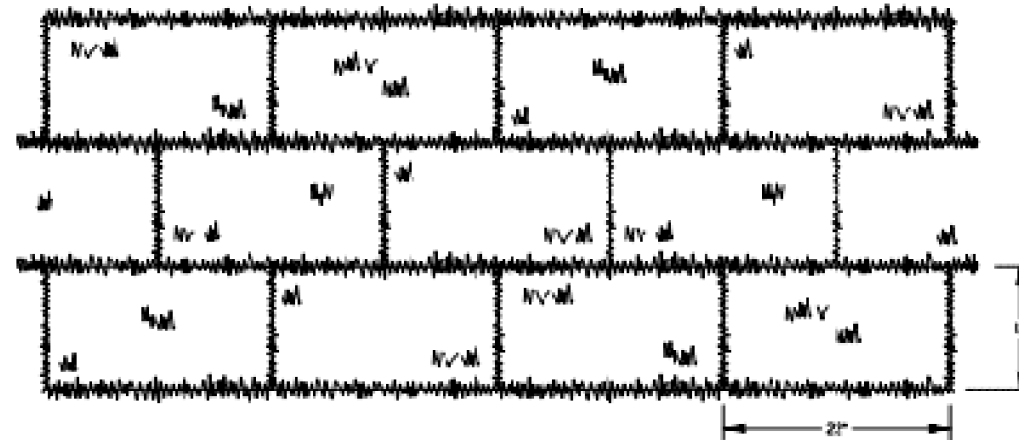
REVISION DATES


**EROSION CONTROL CONSTRUCTION DETAILS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

**SOD LAYOUT**

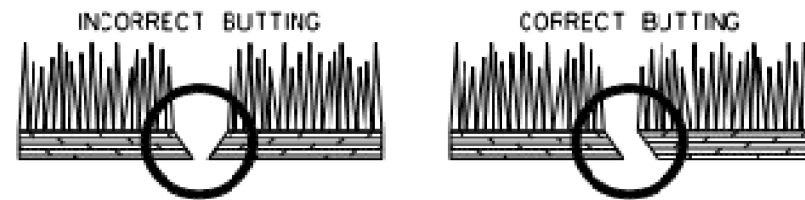


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 2' WIDE BY 52" LONG ROLLS.

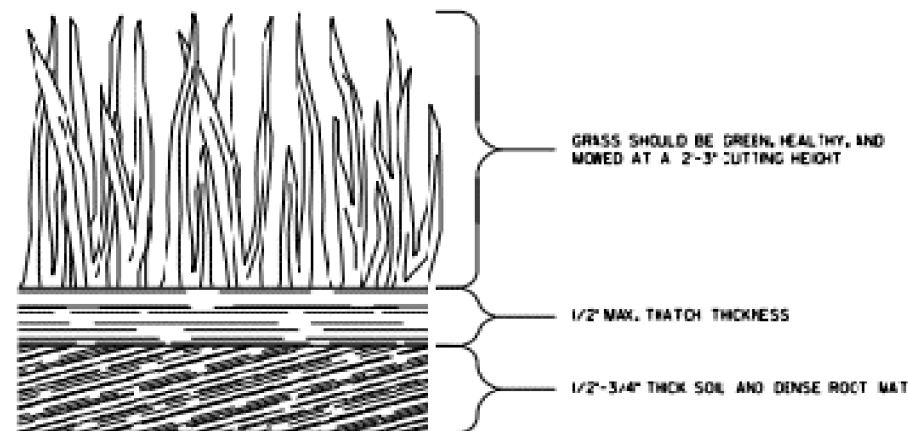
**GENERAL NOTES:**

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 2'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.

**ABUTTING SOD**



**SOD APPEARANCE**



PA\* ITEM: 100-9300 SOD (5Y)

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS SOD INSTALLATION	
NO SCALE		4-21-2016	
DESIGNED	BY	NUMBER	D-54
DRAWN	DATE		
CHECKED	DATE		
APPROVED	DATE		

**REVISION DATES**

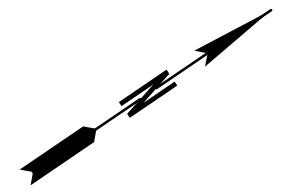

**EROSION CONTROL CONSTRUCTION DETAILS**  
NORTH ROAD @ WISTERIA DRIVE  
INTERSECTION IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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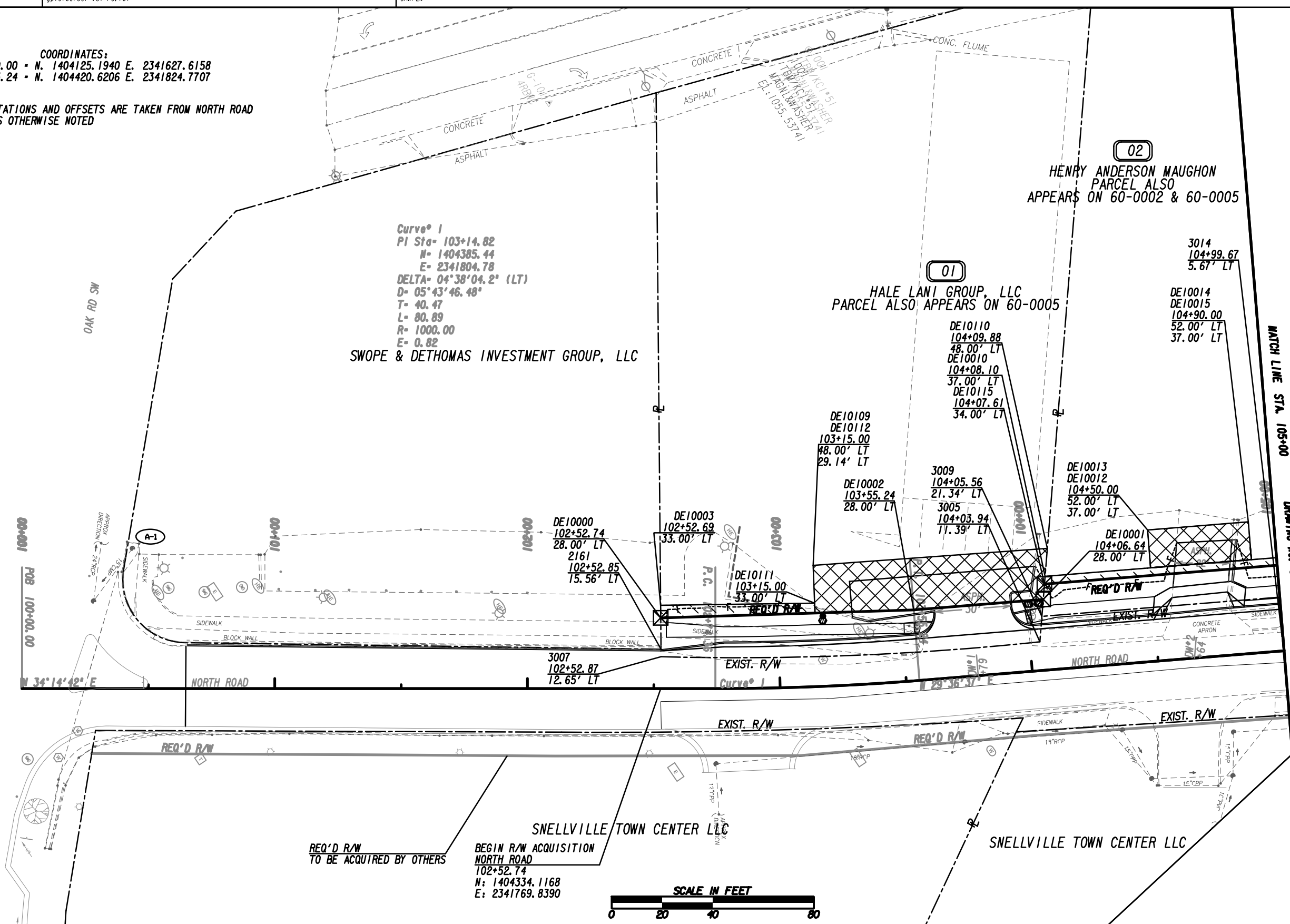






COORDINATES:  
STA. 100+00.00 - N. 1404125.1940 E. 2341627.6158  
STA. 103+55.24 - N. 1404420.6206 E. 2341824.7707

NOTE:  
ALL STATIONS AND OFFSETS ARE TAKEN FROM NORTH ROAD  
UNLESS OTHERWISE NOTED



Curve 1  
PI Sta- 103+14.82  
N- 1404385.44  
E- 2341804.78  
DELTA- 04°38'04.2" (LT)  
D- 05°43'46.48"  
T- 40.47  
L- 80.89  
R- 1000.00  
E- 0.82

SWOPE & DETHOMAS INVESTMENT GROUP, LLC

HALE LANI GROUP, LLC  
PARCEL ALSO APPEARS ON 60-0005

HENRY ANDERSON MAUGHON  
PARCEL ALSO  
APPEARS ON 60-0002 & 60-0005

3014  
104+99.67  
5.67' LT

DE10014  
DE10015  
104+90.00  
52.00' LT  
37.00' LT

DE10110  
104+09.88  
48.00' LT  
DE10010  
104+08.10  
37.00' LT  
DE10115  
104+07.61  
34.00' LT

DE10109  
DE10112  
103+15.00  
48.00' LT  
29.14' LT

DE10002  
103+55.24  
28.00' LT

3009  
104+05.56  
21.34' LT  
3005  
104+03.94  
11.39' LT

DE10013  
DE10012  
104+50.00  
52.00' LT  
37.00' LT

DE10001  
104+06.64  
28.00' LT

DE10000  
102+52.74  
28.00' LT  
2161  
102+52.85  
15.56' LT

DE10003  
102+52.69  
33.00' LT

DE10111  
103+15.00  
33.00' LT

3007  
102+52.87  
12.65' LT

BEGIN R/W ACQUISITION  
NORTH ROAD  
102+52.74  
N: 1404334.1168  
E: 2341769.8390



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

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS

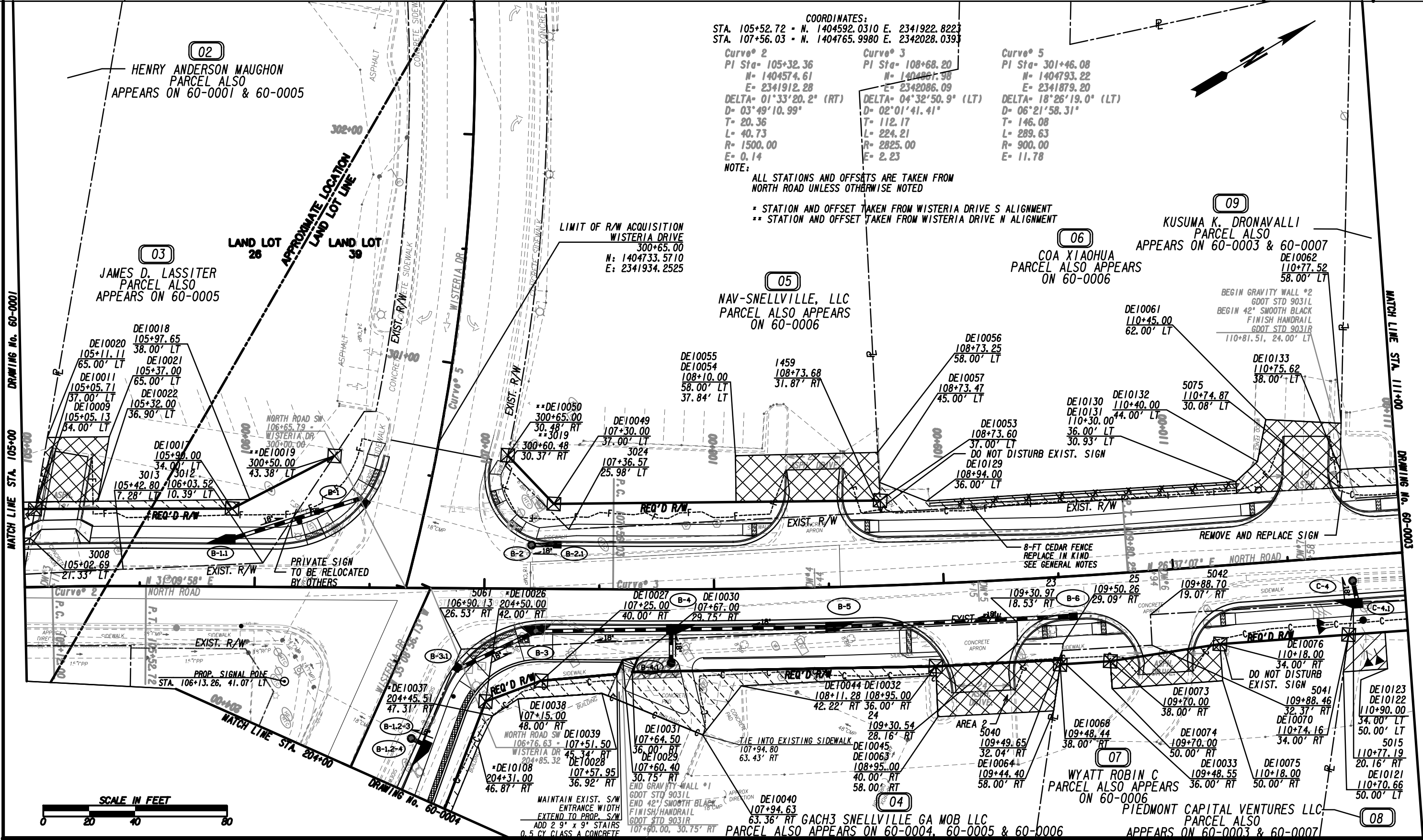
DATE	REVISIONS

CITY OF SNELLVILLE

**RIGHT OF WAY MAP**

PROJECT NO: N/A  
COUNTY: GWINNETT  
LAND LOT NO: 26 & 39  
LAND DISTRICT:  
GWD: 408  
DATE: 10/12/22 SH 2 OF 8

DRAWING No. 60-0001



**COORDINATES:**  
 STA. 105+52.72 - N. 1404592.0310 E. 2341922.8223  
 STA. 107+56.03 - N. 1404765.9980 E. 2342028.0393

**Curve 2**  
 PI Sta- 105+32.36  
 N- 1404574.61  
 E- 2341912.28  
 DELTA- 01°33'20.2" (RT)  
 D- 03°49'10.99"  
 T- 20.36  
 L- 40.73  
 R- 1500.00  
 E- 0.14

**Curve 3**  
 PI Sta- 108+68.20  
 N- 1404861.98  
 E- 2342086.09  
 DELTA- 04°32'50.9" (LT)  
 D- 02°01'41.41"  
 T- 112.17  
 L- 224.21  
 R- 2825.00  
 E- 2.23

**Curve 5**  
 PI Sta- 301+46.08  
 N- 1404793.22  
 E- 2341879.20  
 DELTA- 18°26'19.0" (LT)  
 D- 06°21'58.31"  
 T- 146.08  
 L- 289.63  
 R- 900.00  
 E- 11.78

**NOTE:**  
 ALL STATIONS AND OFFSETS ARE TAKEN FROM NORTH ROAD UNLESS OTHERWISE NOTED  
 \* STATION AND OFFSET TAKEN FROM WISTERIA DRIVE S ALIGNMENT  
 \*\* STATION AND OFFSET TAKEN FROM WISTERIA DRIVE N ALIGNMENT

02  
 HENRY ANDERSON MAUGHON  
 PARCEL ALSO  
 APPEARS ON 60-0001 & 60-0005

03  
 JAMES D. LASSITER  
 PARCEL ALSO  
 APPEARS ON 60-0005

05  
 NAV-SNELLVILLE, LLC  
 PARCEL ALSO APPEARS  
 ON 60-0006

06  
 COA XIAOHUA  
 PARCEL ALSO APPEARS  
 ON 60-0006

09  
 KUSUMA K. DRONAVALLI  
 PARCEL ALSO  
 APPEARS ON 60-0003 & 60-0007

06

09

DRAWING No. 60-0003

DRAWING No. 60-0001



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

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
3/5/2024	PAR 6 EASM'T FOR CONSTR. OF SLOPES		
3/5/2024	PAR 6 EASM'T FOR CONSTR. OF DRIVES		

DATE	REVISIONS	DATE	REVISIONS

CITY OF SNELLVILLE

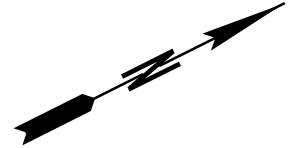
**RIGHT OF WAY MAP**

PROJECT NO: N/A  
 COUNTY: GWINNETT  
 LAND LOT NO: 26 & 39  
 LAND DISTRICT:  
 GMD: 408  
 DATE: 10/12/22 SH 3 OF 8

DRAWING No. 60-0002

COORDINATES:  
STA. 112+00.00 - N. 1405158.7142 E. 2342234.8031  
STA. 115+25.00 - N. 1405449.2642 E. 2342380.4172

NOTE:  
ALL STATIONS AND OFFSETS ARE TAKEN FROM NORTH ROAD  
UNLESS OTHERWISE NOTED



(09)  
KUSUMA K. DRONAVALLI  
PARCEL ALSO APPEARS ON  
60-0002 & 60-0007

(10)  
DAKOTA REALTY LLC/  
PARCEL ALSO APPEARS  
ON 60-0007

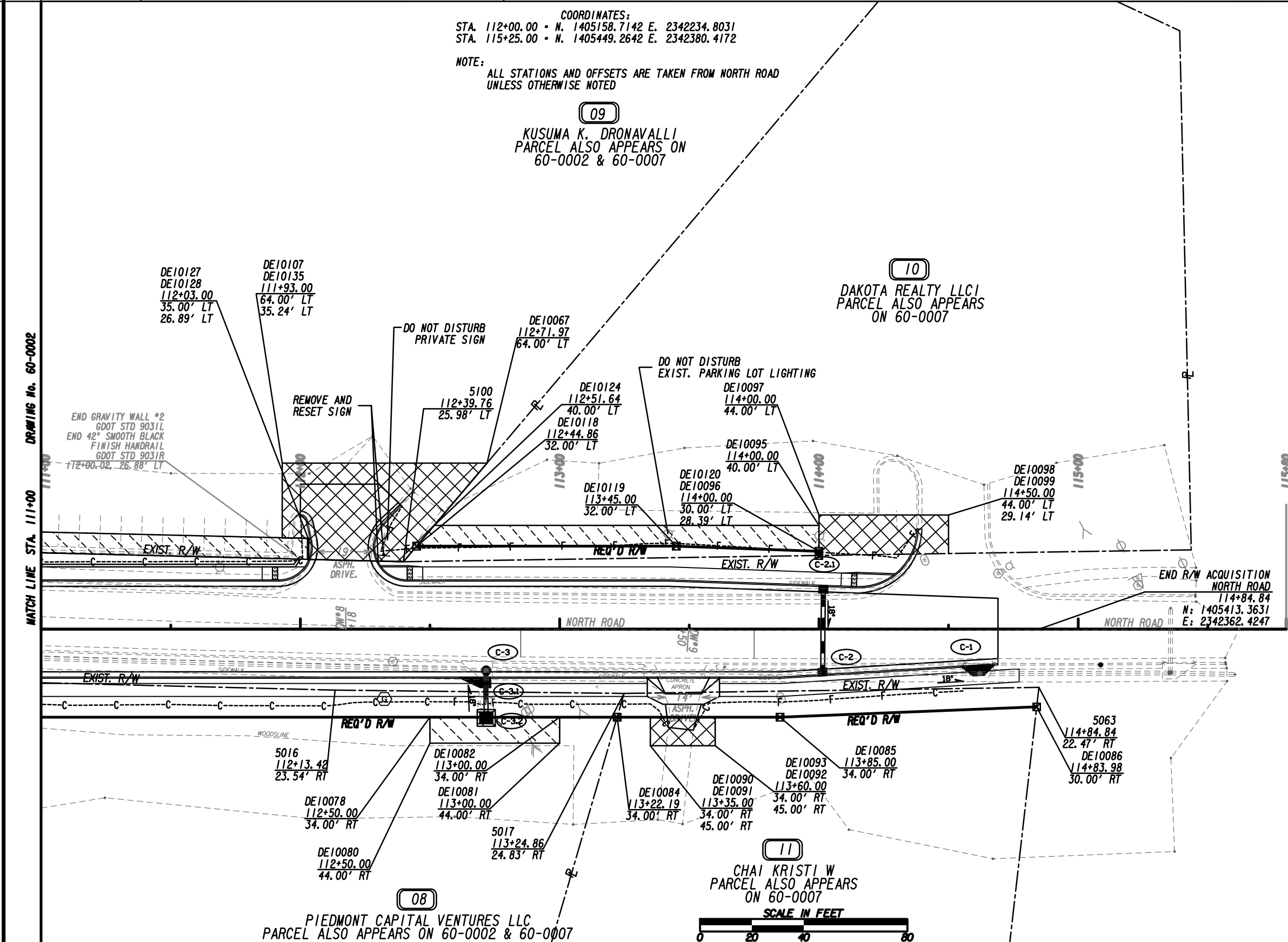
(08)  
PIEDMONT CAPITAL VENTURES LLC  
PARCEL ALSO APPEARS ON 60-0002 & 60-0007

(11)  
CHAI KRISTI W  
PARCEL ALSO APPEARS  
ON 60-0007



DRAWING No. 60-0002  
MATCH LINE STA. 111+00

POE 115+00.25



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

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
EXISTING LIMIT OF ACCESS	---
REQ'D LIMIT OF ACCESS	---
EXISTING LIMIT OF ACCESS & R/W	---
REQ'D LIMIT OF ACCESS & R/W	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---

DATE	REVISIONS	DATE	REVISIONS
3/5/2024	PAR 9 EASM'T FOR CONSTR. OF SLOPES		
3/5/2024	PAR 9 EASM'T FOR CONSTR. OF BROPES		
3/5/2024	PAR 9 REMOVED REQ'D R/W		

CITY OF SNELLVILLE	
<b>RIGHT OF WAY MAP</b>	
PROJECT NO:	N/A
COUNTY:	WINNETT
LAND LOT NO:	26 & 39
LAND DISTRICT:	
GWD:	408
DATE:	10/12/22 SH 4 OF 8

DRAWING No.	60-0003
-------------	---------

APPROXIMATE LOCATION  
LAND LOT LINE

LAND LOT 28  
LAND LOT 39

Curve° 4  
PI Sta- 202+37.67  
N= 1404493.38  
E= 2342131.06  
DELTA- 19°31'40.4" (RT)  
D= 07°09'43.10"  
T= 137.67  
L= 272.66  
R= 800.00  
E= 11.76

SNELLVILLE TOWN CENTER LLC

SNELLVILLE TOWN CENTER LLC

DOWNTOWN DEVELOPMENT AUTHORITY OF SN

WISTERIA DR  
N 54°40'36.49" W

LIMIT OF R/W ACQUISITION  
WISTERIA DRIVE  
201+12.38  
N: 1404421.0196  
E: 2342233.3322

2246 WISTERIA DRIVE LLC

2246 WISTERIA DRIVE LLC  
PARCEL ALSO APPEARS ON 60-0007

GAHC3 SNELLVILLE GA MOB LLC  
PARCEL ALSO APPEARS ON 60-0002, 60-0005 & 60-0006

COORDINATES:  
STA. 200+00.00 - N. 1404355.9621 E. 2342324.9715  
STA. 203+72.66 - N. 1404605.9408 E. 2342051.8048

NOTE:  
ALL STATIONS AND OFFSETS ARE TAKEN FROM WISTERIA DRIVE S  
UNLESS OTHERWISE NOTED



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

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
EXISTING LIMIT OF ACCESS	
REQ'D LIMIT OF ACCESS	
EXISTING LIMIT OF ACCESS & R/W	
REQ'D LIMIT OF ACCESS & R/W	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA	

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

CITY OF SNELLVILLE

**RIGHT OF WAY MAP**

PROJECT NO: N/A  
COUNTY: GWINNETT  
LAND LOT NO: 26 & 39  
LAND DISTRICT:  
GMD: 408  
DATE: 10/12/22 SH 5 OF 8

DRAWING No. **60-0004**

01

J. A. JOHNSON  
SEE SHEET 60-0001

REQD R/W - PAR01/SV10 REQ'D R/W DE1000

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 3007, 2161, DE10000, DE10002, DE10001, 3009, 3005, 3007 and various measurements like ARC LENGTH, CHORD BEAR, LNTH CHORD, RADIUS, DEGREE.

TESMT - PAR01/SV10 EASM'T. FOR CONSTR OF SLOPES DE1001

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10000, DE10003, DE10111, DE10112, DE10000 and various measurements like REQD EASMT.

DWESMT - PAR01/SV10 EASM'T. FOR CONSTR OF DRIVES DE1002

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10112, DE10109, DE10110, DE10001, DE10002, DE10112 and various measurements like REQD EASMT.

02

HENRY ANDERSON MAUGHON  
SEE SHEET 60-0001 & 60-0002

REQD R/W - PAR02/SV11 REQ'D R/W DE1003

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 3009, DE10115, DE10009, 3008, 3009 and various measurements like REQD R/W, REMAINDER.

TESMT - PAR 02/SV11 EASM'T. FOR CONSTR OF SLOPES DE1004

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10115, DE10010, DE10011, DE10009, DE10115 and various measurements like REQD EASMT.

DWESMT - PAR02/SV11 EASM'T. FOR CONSTR OF DRIVES DE1005

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10012, DE10013, DE10014, DE10015, DE10012 and various measurements like REQD EASMT.

03

JOHN D. LASSITER  
SEE SHEET 60-0002

REQD R/W - PAR03/SV12 REQ'D R/W DE1006

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 3014, 3008, DE10009, DE10017, DE10019, 3012, 3013, 3014 and various measurements like REQD R/W, REMAINDER.

TESMT - PAR03/SV12 EASM'T. FOR CONSTR OF SLOPES DE1007

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10009, DE10011, DE10018, DE10017, DE10009 and various measurements like REQD EASMT.

DWESMT - PAR03/SV12 EASM'T. FOR CONSTR OF DRIVES DE1009

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points DE10011, DE10020, DE10021, DE10022, DE10011 and various measurements like REQD EASMT.

04

GAHC3 SNELLVILLE GA MOB LLC  
SEE SHEET 60-0002 & 60-0004

REQD R/W - PAR04/SV27 REQ'D R/W DE1010

Table with 4 columns: PNT, OFFSET/DIST, STATION/BEARING, ALIGNMENT. Includes data for points 26, 5061, 23, 24, 25, 5040, DE10033, DE10032, DE10031, DE10030, DE10029, DE10028, DE10027, DE10026, DE10025, DE10024, DE10023, DE10046, 5077 and various measurements like ARC LENGTH, CHORD BEAR, LNTH CHORD, RADIUS, DEGREE, REQD R/W, REMAINDER.

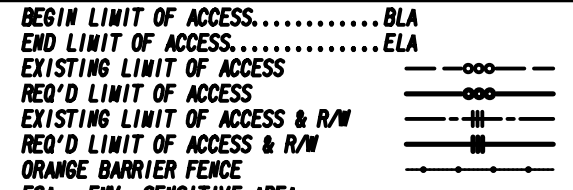
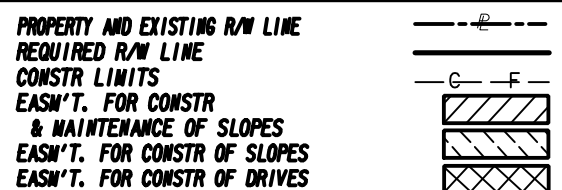


Table with 2 columns: DATE, REVISIONS. Multiple empty rows for recording changes.

Table with 2 columns: DATE, REVISIONS. Multiple empty rows for recording changes.

CITY OF SNELLVILLE  
RIGHT OF WAY MAP  
PROJECT NO: N/A  
COUNTY: GWINNETT  
LAND LOT NO: 26 & 39  
LAND DISTRICT:  
GMD: 408  
DATE: 10/12/22 SH 6 OF 8  
DRAWING No. 60-0005



04

(CONT.)  
GAHC3 SNELLVILLE GA MOB LLC  
SEE SHEET 60-0002 & 60-0004

\*\*\*\*\*  
TESMT - PAR04/SV27 EASM'T. FOR CONSTR OF SLOPES DE1011  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10023	44.00 R	202+83.32 N 37°36'11.1" W	Wisterla Drive
DE10024	44.87 R	203+77.89 N 31°46'00.6" W	Wisterla Drive
DE10025	45.45 R	203+87.70 N 38°19'20.0" W	Wisterla Drive
DE10026	42.00 R	204+50.00 N 10°14'10.7" E	Wisterla Drive
DE10027	40.00 R	107+25.00 N 25°49'21.4" E	North Road
DE10028	36.92 R	107+57.95 N 37°01'03.1" W	North Road
DE10029	30.75 R	107+60.40 N 22°27'47.4" E	North Road
DE10030	29.75 R	107+67.00 S 37°01'03.1" E	North Road
DE10031	36.00 R	107+64.50 N 29°40'15.0" E	North Road
DE10032	36.00 R	108+95.00 S 61°39'09.1" E	North Road
DE10045	40.00 R	108+95.00 S 27°42'05.6" W	North Road
DE10044	42.22 R	108+11.28 S 21°02'17.4" E	North Road
DE10040	63.36 R	107+94.63 S 53°08'10.2" W	North Road
DE10039	45.34 R	107+51.50 S 26°59'57.0" W	North Road
DE10038	48.00 R	107+15.00 S 2°52'47.0" E	North Road
DE10037	47.31 R	204+45.51 S 33°25'22.1" E	Wisterla Drive
DE10108	46.87 R	204+31.00 S 37°02'49.4" E	Wisterla Drive
DE10036	48.30 R	203+87.73 S 29°46'47.0" E	Wisterla Drive
DE10035	47.38 R	203+77.87 S 37°36'55.2" E	Wisterla Drive
DE10046	46.50 R	202+83.01 S 55°11'14.5" W	Wisterla Drive
DE10023	44.00 R	202+83.32	Wisterla Drive
REQD EASMT	- 2397.75	SF	
REQD EASMT	- 0.055	ACRES	

\*\*\*\*\*  
DWESMT AREA 1 - PAR04/SV27 EASM'T. FOR CONSTR OF DRIVES DE1012  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5077	43.71 R	202+35.45 N 39°42'29.8" W	Wisterla Drive
DE10046	46.50 R	202+83.01 N 51°54'15.6" E	Wisterla Drive
DE10047	70.00 R	202+81.44 S 37°35'55.7" E	Wisterla Drive
DE10048	65.00 R	202+29.12 S 60°16'18.0" W	Wisterla Drive
5077	43.71 R	202+35.45	Wisterla Drive
REQD EASMT	- 1055.85	SF	
REQD EASMT	- 0.024	ACRES	

04

(CONT.)  
GAHC3 SNELLVILLE GA MOB LLC  
SEE SHEET 60-0002 & 60-0004

\*\*\*\*\*  
DWESMT AREA 2 - PAR04/SV27 EASM'T. FOR CONSTR OF DRIVES DE1013  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10032	36.00 R	108+95.00 N 27°48'05.2" E	North Road
DE10033	36.00 R	109+48.85 S 51°04'42.0" E	North Road
DE10064	58.00 R	109+44.40 S 27°50'47.6" W	North Road
DE10063	58.00 R	108+95.00 N 61°39'09.1" W	North Road
DE10032	36.00 R	108+95.00	North Road
REQD EASMT	- 1155.39	SF	
REQD EASMT	- 0.027	ACRES	

05

ROBERT A. PANZA & JOANN T. PANZA  
SEE SHEET 60-0002

\*\*\*\*\*  
REQD RW - PAR 05/SV14 REQ'D R/W DE1014  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
3019	30.37 R	300+60.48 N 46°57'34.5" W	Wisterla Drive
DE10050	30.48 R	300+65.00 N 77°11'19.4" E	Wisterla Drive
DE10049	37.00 L	107+30.00 N 30°11'32.1" E	North Road
DE10053	37.00 L	108+73.60 S 62°08'34.1" E	North Road
1459	31.87 L	108+73.68 S 27°39'53.9" W	North Road
3024	25.98 L	107+36.57 S 75°47'20.0" W	North Road
3019	30.37 R	300+60.48	Wisterla Drive
REQD R/W	- 1258.81	SF	
REQD R/W	- 0.029	ACRES	
REMAINDER	- +/- 1.2	ACRES	

\*\*\*\*\*  
DWESMT - PAR05/SV14 EASM'T. FOR CONSTR OF DRIVES DE1016  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10054	37.84 L	108+10.00 N 59°55'42.9" W	North Road
DE10055	58.00 L	108+10.00 N 29°25'48.0" E	North Road
DE10056	58.00 L	108+73.25 S 62°08'34.1" E	North Road
DE10053	37.00 L	108+73.60 S 30°11'32.1" W	North Road
DE10054	37.84 L	108+10.00	North Road
REQD EASMT	- 1283.00	SF	
REQD EASMT	- 0.029	ACRES	

06

COA XIAOHUA  
SEE SHEET 60-0002

\*\*\*\*\*  
TESMT - PAR06/SV15 REQ'D PERM. EASM'T. DE1017  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
1459	31.87 L	108+73.68 N 62°08'34.1" W	North Road
DE10057	45.00 L	108+73.47 N 52°33'02.0" E	North Road
DE10129	36.00 L	108+94.00 N 27°10'14.0" E	North Road
DE10130	36.00 L	110+30.00 S 63°22'53.3" E	North Road
DE10131	30.93 L	110+30.00 S 27°41'54.6" W	North Road
1459	31.87 L	108+73.68	North Road
REQD EASMT	- 770.86	SF	
REQD EASMT	- 0.018	ACRES	

\*\*\*\*\*  
DWESMT - PAR06/SV15 REQ'D DRWY. EASM'T. DE1018  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10131	30.93 L	110+30.00	North Road
DE10130	36.00 L	110+30.00	North Road
DE10132	44.00 L	110+40.00	North Road
DE10061	62.00 L	110+45.00	North Road
DE10062	58.00 L	110+77.52	North Road
5075	30.08 L	110+74.87	North Road
DE10131	30.93 L	110+30.00	North Road
REQD EASMT	- 1130.74	SF	
REQD EASMT	- 0.026	ACRES	

TOTAL LOT SIZE : 1.1 ACRES

07

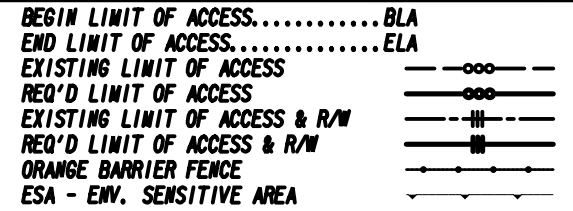
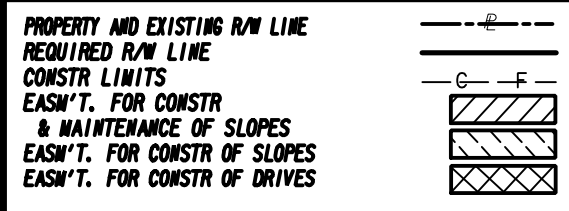
WYATT ROBIN C  
SEE SHEET 60-0002

\*\*\*\*\*  
REQD R/W - PAR07/SV30 REQ'D R/W DE1019  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5040	32.04 R	109+49.65 N 27°20'21.0" E	North Road
5041	32.37 R	109+88.46 N 62°21'52.1" W	North Road
5042	19.07 R	109+88.70 N 27°19'44.3" E	North Road
5015	20.16 R	110+77.19 S 51°02'20.8" E	North Road
DE10070	34.00 R	110+74.16 S 26°37'06.7" W	North Road
DE10076	34.00 R	110+18.00 S 21°53'26.6" W	North Road
DE10073	38.00 R	109+70.00 S 27°02'42.0" W	North Road
DE10068	38.00 R	109+48.44 N 51°04'42.0" W	North Road
5040	32.04 R	109+49.65	North Road
REQD R/W	- 1507.49	SF	
REQD R/W	- 0.035	ACRES	
REMAINDER	- +/- 0.59	ACRES	

\*\*\*\*\*  
DWESMT - PAR07/SV30 EASM'T. FOR CONSTR OF DRIVES DE1022  
\*\*\*\*\*

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10073	38.00 R	109+70.00 N 21°53'26.6" E	North Road
DE10076	34.00 R	110+18.00 S 63°22'53.3" E	North Road
DE10075	50.00 R	110+18.00 S 26°38'27.6" W	North Road
DE10074	50.00 R	109+70.00 N 63°10'25.1" W	North Road
DE10073	38.00 R	109+70.00	North Road
REQD EASMT	- 674.19	SF	
REQD EASMT	- 0.015	ACRES	



DATE	REVISIONS	DATE	REVISIONS
3/5/2024	PAR 6 EASM'T FOR CONSTR. OF SLOPES		
3/5/2024	PAR 6 EASM'T FOR CONSTR. OF DRIVES		

CITY OF SNELLVILLE	
RIGHT OF WAY MAP	
PROJECT NO: N/A	COUNTY: GWINNETT
LAND LOT NO: 26 & 39	LAND DISTRICT:
GMD: 408	DATE: 10/12/22 SH 7 OF 8

DRAWING No. 60-0006

08

PIEDMONT CAPITAL VENTURES  
SEE SHEET 60-0002 & 60-0003

REQD R/W - PAR08/SV39 REQ'D R/W DE1023

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5015	20.16 R	110+77.19	North Road
	136.27	N 28°02'24.2" E	
5016	23.54 R	112+13.42	North Road
	111.45	N 27°16'52.2" E	
5017	24.83 R	113+24.86	North Road
	9.55	S 47°07'38.2" E	
DE10084	34.00 R	113+22.19	North Road
	248.03	S 26°37'06.7" W	
DE10070	34.00 R	110+74.16	North Road
	14.16	N 51°02'20.8" W	
5015	20.16 R	110+77.19	North Road
REQD R/W	- 2756.74	SF	
REQD R/W	- 0.063	ACRES	
REMAINDER	- +/- 3.4	ACRES	

PESMT - PAR08/SV39 EASM'T. FOR THE RIGHT TO PLACE AND MAINTAIN UTILITIES. DE1021

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10070	34.00 R	110+74.16	North Road
	15.84	N 26°37'06.7" E	
DE10123	34.00 R	110+90.00	North Road
	16.00	S 63°22'53.3" E	
DE10122	50.00 R	110+90.00	North Road
	19.34	S 26°37'06.7" W	
DE10121	50.00 R	110+70.66	North Road
	16.38	N 51°02'20.8" W	
DE10070	34.00 R	110+74.16	North Road
REQD EASMT	- 281.39	SF	
REQD EASMT	- 0.006	ACRES	

TESMT - PAR08/SV39 EASM'T. FOR CONSTR OF SLOPES DE1024

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10078	34.00 R	112+50.00	North Road
	50.00	N 26°37'06.7" E	
DE10082	34.00 R	113+00.00	North Road
	10.00	S 63°22'53.3" E	
DE10081	44.00 R	113+00.00	North Road
	50.00	S 26°37'06.7" W	
DE10080	44.00 R	112+50.00	North Road
	10.00	N 63°22'53.3" W	
DE10078	34.00 R	112+50.00	North Road
REQD EASMT	- 500.00	SF	
REQD EASMT	- 0.011	ACRES	

09

KUSUMA K. DRONAVALLI  
SEE SHEET 60-0002 & 60-0003

TESMT - PAR09/SV23 EASM'T. FOR CONSTR. OF SLOPES & WALL DE1032

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5075	30.08 L	110+74.87	North Road
DE10133	38.00 L	110+75.62	North Road
DE10127	35.00 L	112+03.00	North Road
DE10128	26.89 L	112+03.00	North Road
5075	30.08 L	110+74.87	North Road
REQD EASMT AREA	- 1024.97	SF	
REQD EASMT AREA	- 0.024	ACRES	

DWESMT - PAR09/SV23 EASM'T. FOR CONSTR. OF DRIVES DE1027

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10128	26.89 L	112+03.00	North Road
DE10127	35.00 L	112+03.00	North Road
DE10135	35.24 L	111+93.00	North Road
DE10107	64.00 L	111+93.00	North Road
DE10067	64.00 L	112+71.97	North Road
5100	25.98 L	112+39.76	North Road
DE10128	26.89 L	112+03.00	North Road
REQD EASMT AREA	- 2281.97	SF	
REQD EASMT AREA	- 0.052	ACRES	

10

DAKOTA REALTY LLC/  
SEE SHEET 60-0003

REQD R/W - PAR10/SV24 REQ'D R/W DE1008

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5100	25.98 L	112+39.76	North Road
	7.89	N 23°06'09.0" W	
DE10118	32.00 L	112+44.86	North Road
	100.14	N 26°37'06.7" E	
DE10119	32.00 L	113+45.00	North Road
	55.04	N 28°42'03.9" E	
DE10120	30.00 L	114+00.00	North Road
	1.61	S 63°22'53.3" E	
DE10096	28.39 L	114+00.00	North Road
	160.26	S 25°45'30.4" W	
5100	25.98 L	112+39.76	North Road
REQD R/W	- 701.64	SF	
REQD R/W	- 0.016	ACRES	
REMAINDER	- +/- 1.0	ACRES	

TESMT - PAR10/SV24 EASM'T. FOR CONSTR OF SLOPES DE1028

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10118	32.00 L	112+44.86	North Road
	10.49	N 23°06'09.0" W	
DE10124	40.00 L	112+51.64	North Road
	148.36	N 26°37'06.7" E	
DE10095	40.00 L	114+00.00	North Road
	10.00	S 63°22'53.3" E	
DE10120	30.00 L	114+00.00	North Road
	55.04	S 28°42'03.9" W	
DE10119	32.00 L	113+45.00	North Road
	100.14	S 26°37'06.7" W	
DE10118	32.00 L	112+44.86	North Road
REQD EASMT	- 1269.02	SF	
REQD EASMT	- 0.029	ACRES	

DWESMT - PAR10/SV24 EASM'T. FOR CONSTR OF DRIVES DE1029

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10096	28.39 L	114+00.00	North Road
	15.61	N 63°22'53.3" W	
DE10097	44.00 L	114+00.00	North Road
	50.00	N 26°37'06.7" E	
DE10098	44.00 L	114+50.00	North Road
	14.86	S 63°22'53.3" E	
DE10099	29.14 L	114+50.00	North Road
	50.01	S 25°45'30.4" W	
DE10096	28.39 L	114+00.00	North Road
REQD EASMT	- 761.97	SF	
REQD EASMT	- 0.017	ACRES	

11

CHAI KRISTI W  
SEE SHEET 60-0003

REQD R/W - PAR11/SV25 REQ'D R/W DE1033

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5017	24.83 R	113+24.86	North Road
	160.00	N 25°46'21.3" E	
5063	22.47 R	114+84.84	North Road
	7.58	S 56°52'12.3" E	
DE10086	30.00 R	114+83.98	North Road
	99.06	S 24°18'15.6" W	
DE10085	34.00 R	113+85.00	North Road
	62.81	S 26°37'06.7" W	
DE10084	34.00 R	113+22.19	North Road
	9.55	N 47°07'38.2" W	
5017	24.83 R	113+24.86	North Road
REQD R/W	- 1463.06	SF	
REQD R/W	- 0.034	ACRES	
REMAINDER	- +/- 0.98	ACRES	

DWESMT - PAR11/SV25 EASM'T. FOR CONSTR OF DRIVES DE1035

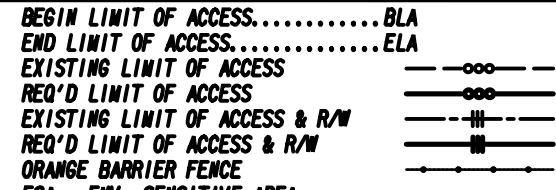
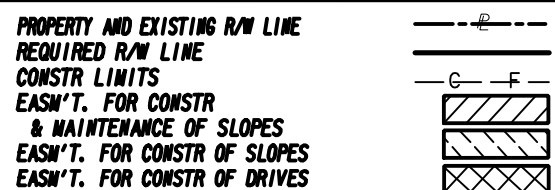
PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10090	34.00 R	113+35.00	North Road
	25.00	N 26°37'06.7" E	
DE10093	34.00 R	113+60.00	North Road
	11.00	S 63°22'53.3" E	
DE10092	45.00 R	113+60.00	North Road
	25.00	S 26°37'06.7" W	
DE10091	45.00 R	113+35.00	North Road
	11.00	N 63°22'53.3" W	
DE10090	34.00 R	113+35.00	North Road
REQD EASMT	- 275.00	SF	
REQD EASMT	- 0.006	ACRES	

12

2246 WISTERIA DRIVE LLC  
SEE SHEET 60-0004

REQD R/W - PAR12/SV32 REQ'D R/W DE1030

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5020	32.23 R	201+15.74	Wisteria Drive
ARC LENGTH	- 114.51		
CHORD BEAR	- N 43°31'28.0" W		
LNTH CHORD	- 114.49		
RADIUS	- 1996.61		
DEGREE	- 2°52'10.8"		
5077	43.71 R	202+35.45	Wisteria Drive
	6.52	N 60°16'18.0" E	
DE10103	50.00 R	202+33.62	Wisteria Drive
	78.67	S 45°11'27.0" E	
DE10101	46.00 R	201+50.00	Wisteria Drive
	35.40	S 34°16'01.0" E	
DE10100	35.00 R	201+14.55	Wisteria Drive
	3.00	S 58°44'37.7" W	
5020	32.23 R	201+15.74	Wisteria Drive
REQD R/W	- 731.22	SF	
REQD R/W	- 0.017	ACRES	
REMAINDER	- +/- 1.1	ACRES	



DATE	REVISIONS	DATE	REVISIONS
3/5/2024	PAR 9 EASM'T FOR CONSTR. OF SLOPES		
3/5/2024	PAR 9 EASM'T FOR CONSTR. OF DRIVES		
3/5/2024	PAR 9 REMOVED REQ'D R/W		

DATE	REVISIONS

CITY OF SNELLVILLE  
**RIGHT OF WAY MAP**  
PROJECT NO: N/A  
COUNTY: GWINNETT  
LAND LOT NO: 26 & 39  
LAND DISTRICT:  
GMD: 408  
DATE: 10/12/22 SH 8 OF 8

DRAWING No.  
**60-0007**