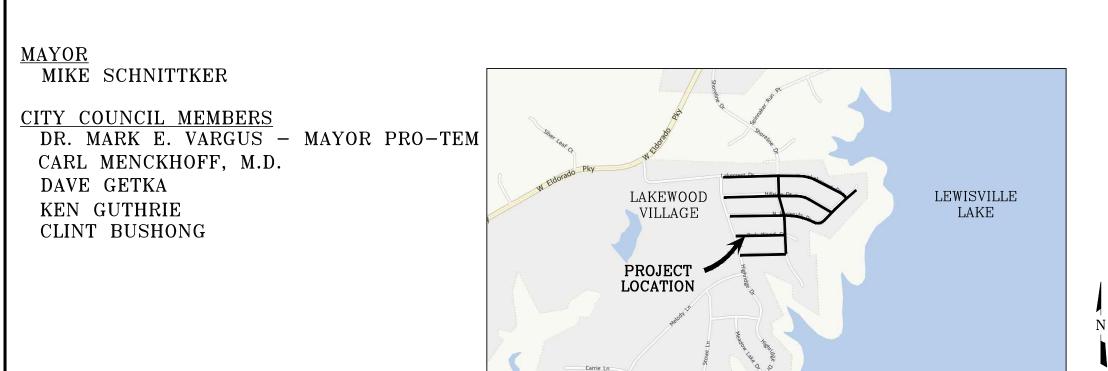
## CONSTRUCTION PLANS FOR TOWN OF LAKEWOOD VILLAGE ROADWAY IMPROVEMENTS



GN-1 HC-1 HC-2DM - 1DM-2DM-3 DM-4 DM-5 PV-1 PV-2 PV-3 PV-4 PV-5 PV-6 PV-7 PV-8 PV-9 PV-10 PV-11 PV-12 PV-13 PV-14 PV-15 PV-16 PV-17 PV-18 PV-19 PV-20 PV-21 PV-22

VICINITY MAP SCALE = N.T.S.



2711 North Haskell Ave, Suite 33 Dallas, Texas 75204 Phone – (214) 217–2200 Fax – (214) 217–2201 OCTOBER 2013 LWV13442 PRELIMINARY SUBMITTAL Sheet List Table

SHEET NO.

## DESCRIPTION

COVER GENERAL NOTES AND TYPICAL SECTION HORIZONTAL CONTROL PLAN ALIGNMENT DATA LAKECREST DR DEMOLITION PLAN HILLSIDE DR DEMOLITION PLAN N PENINSULA DR DEMOLITION PLAN PARK WOOD CT AND GREEN MEADOW DR DEMOLITION PLAN NORTH AND SOUTH SHORELINE DR DEMOLITION PLAN LAKECREST DR PLAN AND PROFILE BEGIN TO STA 5+50 LAKECREST DR PLAN AND PROFILE STA 5+50 TO STA 10+00 LAKECREST DR PLAN AND PROFILE STA 10+00 TO STA 14+50 LAKECREST DR PLAN AND PROFILE STA 14+50 TO STA 19+00 LAKECREST DR PLAN AND PROFILE STA 19+00 TO END HILLSIDE DR PLAN AND PROFILE BEGIN TO STA 5+50 HILLSIDE DR PLAN AND PROFILE STA 5+50 TO STA 10+00 HILLSIDE DR PLAN AND PROFILE STA 10+00 TO STA 14+50 HILLSIDE DR PLAN AND PROFILE STA 14+50 TO END N PENINSULA DR PLAN AND PROFILE BEGIN TO STA 5+50 N PENINSULA DR PLAN AND PROFILE STA 5+50 TO STA 10+00 N PENINSULA DR PLAN AND PROFILE STA 10+00 TO STA 14+50 N PENINSULA DR PLAN AND PROFILE STA 14+50 TO STA 19+00 N PENINSULA DR PLAN AND PROFILE STA 19+00 TO END PARK WOOD CT PLAN AND PROFILE BEGIN TO STA 5+50 PARK WOOD CT PLAN AND PROFILE STA 5+50 TO END GREEN MEADOW DR PLAN AND PROFILE BEGIN TO STA 5+50 GREEN MEADOW DR PLAN AND PROFILE STA 5+50 TO END S SHORELINE DR PLAN AND PROFILE BEGIN TO STA 5+50 S SHORELINE DR PLAN AND PROFILE STA 5+50 TO END N SHORELINE DR PLAN AND PROFILE BEGIN TO STA 5+50 N SHORELINE DR PLAN AND PROFILE STA 5+50 TO END

NOT FOR CONSTRUCTION

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF DANIEL R. PRENDERGAST P.E. TEXAS NO: 113212 ON DATE: 10/23/2013 IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR DEPAULT DIREDGES

## GENERAL NOTES (NO SEPARATE PAY ITEMS`

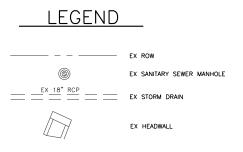
- 1. ALL CONSTRUCTION SHALL CONFORM TO NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) OR TXDOT CONSTRUCTION STANDARDS ARE NOT LIMITED TO THE FOLLOWING:
- 2 ALL EXISTING UTILITIES ARE AS PER AVAILABLE RECORDS PRIOR TO CONSTRUCTION EXACT HORIZONTAL AND VERTICAL LOCATION OF UTILITIES SHALL BE VERIFIED ON THE GROUND BY THE CONTRACTOR BEFORE PIPE IS PURCHASED. SOME UTILITIES SHOWN AS EXISTING WERE BASED ON DESIGN PLANS AND THEIR EXACT LOCATIONS HAVE NOT BEEN SURVEYED. UTILITIES SHOWN AS FUTURE MAY OR MAY NOT BE UNDER CONSTRUCTION AT THE SAME TIME. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THESE UTILITIES.
- 3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXIST. UNDERGROUND AND OTHER UTILITIES IS NOT AND LOCATION OF ALL UNDERGROUND AND OTHER UNLIFIES AND ANY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 72 HOURS PRIOR TO EXCAVATION:

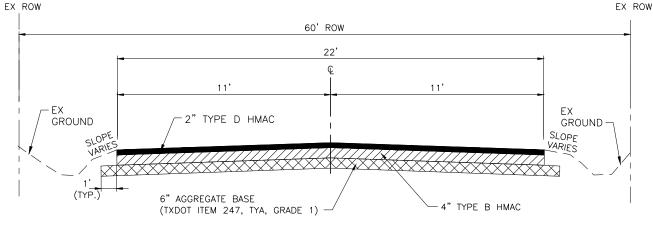
TOWN OF LAKEWOOD	VILLAGE TOMMY MAPP	(972) 736-2416
ATMOS ENERGY	MARK MAHAN	(972) 881-4163
TXU ELECTRIC	SCOTT MURRAY	(972) 396-6328
TEXAS, NEW MEXICO	JEREMY NORTMAN	(940) 686-2653
POWER		
A T&CT	CASEY WISEMEN	(972) 569-3070
COSERVE ELECTRIC	JIM WILLIAMS	(940) 321-7800

- 4. EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO FENCES, DRIVEWAYS, SIDEWALKS, PAVEMENT, CURBS, UTILITY PIPELINES, AND DRAINAGE STRUCTURES WHICH ARE DAMAGED, REMOVED OR ALTERED TO PERMIT INSTALLATION OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, IN THE SAME LOCATION AND IN CONDITION AS GOOD AS OR BETTER THAN THEY WERE FOUND.
- TRENCH BACKFILL IN UNPAVED AREAS OVER FIVE (5) FEET FROM ROAD OR DRIVEWAY SHALL BE PLACED TO EXISTING GRADE PLUS SIX 5. ALL INCHES TO ALLOW FOR SETTLEMENT. ALL BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PER SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDING DIRT, TRASH, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY'S PUBLIC WORKS STAFF IF WITHIN THE CITY LIMITS. IF THE LOCATION IS NOT WITHIN THE CITY LIMITS, THE CONTRACTOR SHALL PROVIDE A LETTER STATING AS SUCH. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAY WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY'S ENGINEER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT PERMISSION, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE MATERIAL AT HIS OWN COST.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, IMPLEMENTATION AND MAINTENANCE OF A STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT. THE INSPECTION AND MAINTENANCE OF THE EROSION PREVENTION MEASURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY THROUGHOUT ALL PHASES OF CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE EPA'S NPDES REGULATIONS 40-CFR-122, 123, 124 CONCERNING EROSION AND SEDIMENT CONTROL. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT "NOI" TO TCEQ 72 HOURS PRIOR TO BEGINNING CONSTRUCTION AND NOTICE OF TERMINATION "NOT" TO TCEQ UPON COMPLETION OF THE PROJECT.
- 8. ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATOR'S STANDARDS. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED WORK UTILIZING A TRENCH SAFETY PLAN. A TRENCH SAFETY PLAN SHALL BE SUBMITTED AT THE PRE-CONSTRUCTION MEETING.
- 9. CONTRACTOR SHALL MAINTAIN SUITABLE CONSTRUCTION ACCESS TO THE ENGINEER, OWNER AND THE TOWN OF LAKEWOOD VILLAGE AT ALL TIMES DURING CONSTRUCTION
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL EXISTING UTILITIES IN SERVICE DURING CONSTRUCTION, WHICH MAY INCLUDE TEMPORARY SERVICES DURING CONSTRUCTION
- 11. THE CONTRACTOR SHALL REMOVE ALL FENCES, LOCATED WITHIN EASEMENTS, INTERFERING WITH CONSTRUCTION OPERATION AND PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. REMOVED FENCES SHALL BE REPLACED WITH A NEW FENCE OR UNDAMAGED ORIGINAL FENCING. ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED PRIOR TO CONSTRUCTION. REMOVAL AND REPLACEMENT OF EXISTING AND TEMPORARY FENCES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL
- 12. THE CONTRACTOR SHALL DISTRIBUTE LETTERS TO ALL AFFECTED PROPERTY OWNERS AT LEAST ONE WEEK IN ADVANCE TO BEGINNING WORK ON EACH PROPERTY. THIS LETTER SHALL INCLUDE NAMES AND TELEPHONE NUMBERS OF CONTRACTOR CONTACTS, A DESCRIPTION OF WORK TO BE DONE, AND THE TIME FRAME FOR DOING THE WORK. COPIES OF THE LETTER SHALL BE FORWARDED TO THE TOWN INSPECTOR. THE CONTRACTOR SHALL NOTIFY RESIDENTS 48 HOURS IN ADVANCE OF PERFORMING ANY WORK ON PRIVATE PROPERTY. DISTRIBUTION OF LETTERS SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 13. THE CONTRACTOR SHALL VIDEO ALL AREAS PRIOR TO WORK. VIDEOS SHALL INCLUDE DATE NOTATION AND AUDIO IDENTIFICATION OF PROPERTY ADDRESS AND MAIN/LATERAL NAME. THIS PRE-CONSTRUCTION VIDEO TAPING SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF PROJECT. THE CONTRACTOR WILL PROVIDE COPIES OF THE VIDEO TO THE OWNER AND ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION.
- 14. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER CONNECTIONS TO ALL HOMES AND BUSINESSES IN WORKING ORDER AT ALL TIMES EXCEPT FOR BRIEF INTERRUPTIONS FOR SERVICES TO BE REINSTALLED. IN NO CASE SHALL SERVICES BE ALLOWED TO REMAIN OUT OF SERVICE OVERNIGHT
- 15. ALL DRIVEWAYS, WHICH ARE OPEN CUT, SHALL HAVE ACCESS PROVIDED AT ALL TIMES. THE TEMPORARY SURFACE WILL BE CONSIDERED A N-PAY ITEM. ALL OPEN CUT DRIVEWAYS & ROADS SHALL HAVE PERMANENT SURFACE REPLACED WITHIN 1 WEEK OF OPEN CUTTIN
- 16. CONTRACTOR SHALL INSTALL TEMPORARY BACKFILL AS REQUIRED FOR OPEN TRENCH IN ESTABLISHED ROADWAYS. NO OPEN TRENCH WILL BE ALLOWED IN EXISTING PAVEMENT EXCEPT DURING DAYLIGHT HOURS DURING CONSTRUCTION OPERATIONS. TEMPORARY BACKFILL SHALL BE INSTALLED TO THE FINISHED GRADE OF THE EXISTING PAVEMENT AND SHALL BE MAINTAINED BY THE CONTRACTOR TO ENSURE A SMOOTH DRIVING SURFACE, FREE OF RUTTING AND POTHOLES. REPAIR DAMAGED PAVEMENT IN ACCORDANCE WITH SPECIFICATIONS.
- 17. CONTROL POINTS SHOWN ON PLANS ARE INTENDED FOR CONSTRUCTION STAKING OF THIS PROJECT. ANY ADDITIONAL SURVEYING NEEDED TO LAYOUT ANY PROJECTS SHALL BE SUBSIDIARY TO THE BID PRICES
- 18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT, ACCURATE AND CURRENT PLANS OF RECORD ON THE JOB SITE AT ALL TIMES.
- 19. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SITE DRAINAGE THROUGHOUT THE DURATION OF THIS PROJECT.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS BEFORE CONSTRUCTION BEGINS.
- 21. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT ELECTRIC POWER, TELEPHONE POLES, AND OTHER UTILITIES ARE NOT DISTURBED DURING CONSTRUCTION. ALL COSTS INCURRED FOR MOVING ELECTRIC POWER AND TELEPHONE POLES SHALL BE INCLUDED IN THE PRICE BID FOR THE CONSTRUCTION OF THE PROJECT.
- 22. THE CONTRACTOR SHALL PROTECT AND SUPPORT EXISTING UTILITIES IN ACCORDANCE WITH STANDARDS, PROCEDURES, POLICIES AND REQUIREMENTS OF THE OWNERS OF THE UTILITIES. PROTECTION AND SUPPORT OF EXISTING UTILITIES SHALL INCLUDE PROTECTION AND SUPPORT OF UTILITIES LINES, VAULTS, BOXES, VALVES, POLES, PIPES, CONDUITS, AND ANY OTHER ITEMS ASSOCIATED WITH THE UTILITIES' FACILITIES.
- 23. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING PIPING AND UTILITIES IN THE CONSTRUCTION AREA(S). CONTRACTOR SHALL TEMPORARILY RELOCATE AND SUPPORT EXISTING UTILITIES AS REQUIRED FOR CONSTRUCTION OF NEW ITEMS AND REINSTALL THEM AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 24. ALL STREETS WITHIN THE SCOPE OF THE CONTRACT SHALL BE KEPT ACCESSIBLE TO FIRE TRUCKS, AMBULANCES, OTHER EMERGENCY VEHICLES, RESIDENTS AND BUSINESSES.
- 25. THE CONTRACTOR SHALL USE EXISTING RIGHT-OF-WAYS OR EASEMENTS FOR ACCESS TO THE JOB SITE
- 26. WHERE GRASS IS DISTURBED BY AN ACTIVITY OF THIS PROJECT, CONTRACTOR SHALL REPLACE GRASS BY BLOCK SODDING SUCH THAT THE GRASS THAT WAS PRESENT IN PRE-CONSTRUCTION CONDITIONS IS REPLACED AND/OR RESTORED TO ITS CONDITION IN AS GOOD OR BETTER CONDITION THAN PRIOR TO CONSTRUCTION.
- 27. CONTRACTOR SHALL STOCKPILE SALVAGE TOPSOIL AND REUSE ON DISTURBED AREAS BEFORE USING TOPSOIL FROM BORROW SOURCES.
- 28. ALL NUTS AND BOLTS SHALL BE 316 STAINLESS STEEL UNLESS OTHERWISE NOTED.

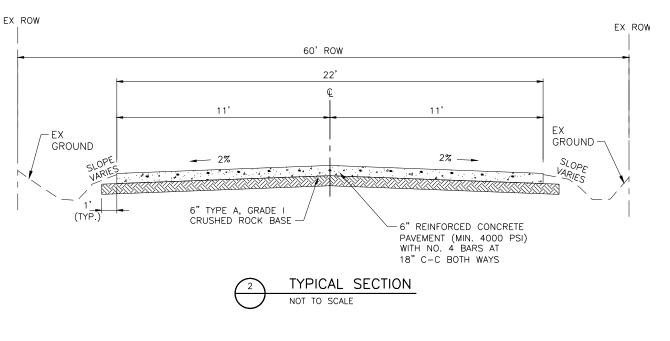
29. CONTRACTOR SHALL MAINTAIN ALL OPERATIONS WITHIN THE CITY/STATE ROW OR EASEMENTS.

30. FOR ALL D-HOLE LOCATIONS AND FIELD VERIFICATION LOCATIONS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY OWNER PRIOR TO FIELD VERIFICATION. THE CONTRACTOR SHALL PERFORM THE VERIFICATIONS IN A METHOD ACCEPTABLE TO THE UTILITY OWNER.

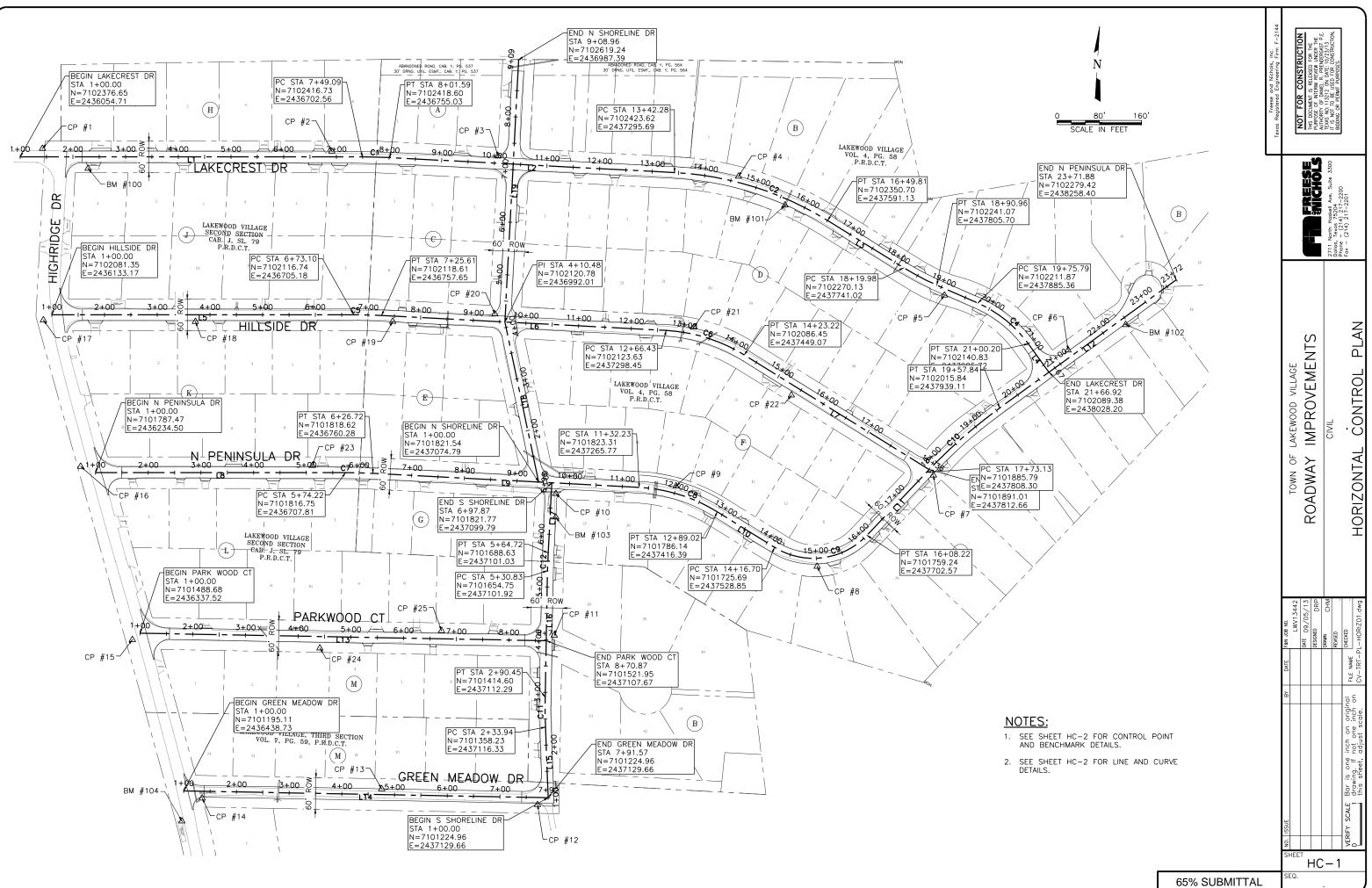








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	CURVE TABLE LAKECREST DR							
CURVE #	DELTA	TANGENT	RADIUS	LENGTH	CHORD LENGTH	PC STATION	PT STATION	
C1	3°00'30"	26.26	1000.00	52.51	52.50	7+49.09	8+01.59	
C2	28°47'30"	157.09	612.00	307.54	304.31	13+42.28	16+49.81	
C4	30°19'58"	63.70	235.00	124.41	122.96	19+75.79	21+00.20	

	LINE TABLE: LAKECREST DR						
LINE #	LENGTH	DIRECTION	START POINT	END POINT			
L1	649.09	N86° 27' 35.20"E	(2436054.71,7102376.65)	(2436702.56,7102416.73)			
L2	540.68	N89°28'05.20"E	(2436755.03,7102418.60)	(2437295.69,7102423.62)			
L3	170.17	S61°44'24.80"E	(2437591.13,7102350.70)	(2437741.02,7102270.13)			
L4	66.72	S39° 32' 24.80"E	(2437985.72,7102140.83)	(2438028.20,7102089.38)			

CURVE TABLE HILLSIDE DR							
CURVE #	DELTA	TANGENT	RADIUS	LENGTH	CHORD LENGTH	PC STATION	PT STATION
C5	3°00'30"	26.26	1000.00	52.51	52.50	6+73.10	7+25.61
C6	28°47'30"	80.08	312.00	156.78	155.14	12+66.43	14+23.22

	LINE TABLE: HILLSIDE DR							
LINE #	LENGTH	DIRECTION	START POINT	END POINT				
L5	573.10	N86* 27' 35.20"E	(2436133.17,7102081.35)	(2436705.18,7102116.74)				
L6	540.82	N89°28'05.20"E	(2436757.65,7102118.61)	(2437298.45,7102123.63)				
L7	412.79	S61°44'24.80"E	(2437449.07,7102086.45)	(2437812.66,7101891.01)				

	CURVE TABLE N PENINSULA DR							
CURVE #	DELTA	TANGENT	RADIUS	LENGTH	CHORD LENGTH	PC STATION	PT STATION	
C7	3°00'30"	26.26	1000.00	52.51	52.50	5+74.22	6+26.72	
C8	28°47'30"	80.08	312.00	156.78	155.14	11+32.23	12+89.02	
C9	78°23'00"	114.15	140.00	191.53	176.94	14+16.70	16+08.22	
C10	10°35'00"	92.62	1000.00	184.71	184.45	17+73.13	19+57.84	

	LINE TABLE: N PENINSULA DR							
line #	LENGTH	DIRECTION	START POINT	END POINT				
L8	474.22	N86 27 35.20 E	(2436234.50,7101787.47)	(2436707.81,7101816.75)				
L9	505.51	N89°28'05.20"E	(2436760.28,7101818.62)	(2437265.77,7101823.31)				
L10	127.68	S61° 44' 24.80"E	(2437416.39,7101786.14)	(2437528.85,7101725.69)				
L11	164.90	N39* 52' 35.20"E	(2437702.57,7101759.24)	(2437808.30,7101885.79)				
L12	414.04	N50° 27' 35.20"E	(2437939.11,7102015.84)	(2438258.40,7102279.42)				

LINE TABLE: GREEN MEADOW DR							
LINE #	LENGTH	DIRECTION	START POINT	END POINT			
L13	770.87	N87° 31' 35.20"E	(2436337.52,7101488.68)	(2437107.67,7101521.95)			

LINE TABLE: GREEN MEADOW DR							
LINE #	LENGTH	DIRECTION	START POINT	END POINT			
L14	691.57	N87° 31' 35.20"E	(2436438.73,7101195.11)	(2437129.66,7101224.96)			

CURVE TABLE S SHORELINE DR							
CURVE # DELTA TANGENT RADIUS LENGTH CHORD LENGTH PC STATION PT STATION							
C11	3°14'17"	28.27	1000.00	56.52	56.51	2+33.94	2+90.45
C12	1°56'31"	16.95	1000.00	33.89	33.89	5+30.83	5+64.72

LINE TABLE: S SHORELINE DR							
line #	LENGTH	DIRECTION	START POINT	END POINT			
L15	133.94	N5* 42' 42.82"W	(2437129.66,7101224.96)	(2437116.33,7101358.23)			
L16	240.38	N2* 28' 25.58"W	(2437112.29,7101414.60)	(2437101.92,7101654.75)			
L17	133.15	NO° 31' 54.80"W	(2437101.03,7101688.63)	(2437099.79,7101821.77)			

	LINE TABLE: N SHORELINE DR								
LINE	#	LENGTH	DIRECTION	START POINT	END POINT				
L1	8	310.48	N15°27'47.90"W	(2437074.79,7101821.54)	(2436992.01,7102120.78)				
L1	9	498.48	NO° 31' 54.80"W	(2436992.01,7102120.78)	(2436987.39,7102619.24)				

BENCHMARK	LIST

BENCHMARK #100: A "BOX" CUT IN CONCRETE AT THE SOUTHEAST CORNER OF LAKECREST DRIVE AND HIGHRIDGE DRIVE ON THE WEST EDGE OF A CONCRETE DRIVEWAY. ELEVATION=582.19'

BENCHMARK #101: A "BOX" CUT IN CONCRETE ON THE SOUTH SIDE OF LAKECREST DRIVE ±515' EAST OF THE INTERSECTION OF LAKECREST DRIVE AND SHORELINE DRIVE LOCATED ON TOP OF CONCRETE OVER A 24" CMP FOR DRAINAGE. ELEVATION=551.74'

BENCHMARK #102: A "BOX" CUT IN CONCRETE ON THE SOUTHEAST SIDE OF NORTH PENINSULA DRIVE  $\pm$ 170' NORTHEAST OF THE INTERSECTION OF NORTH PENINSULA DRIVE AND LAKECREST DRIVE LOCATED ON THE SOUTHWEST EDGE OF A CONCRETE DRIVEWAY. ELEVATION=545.87'

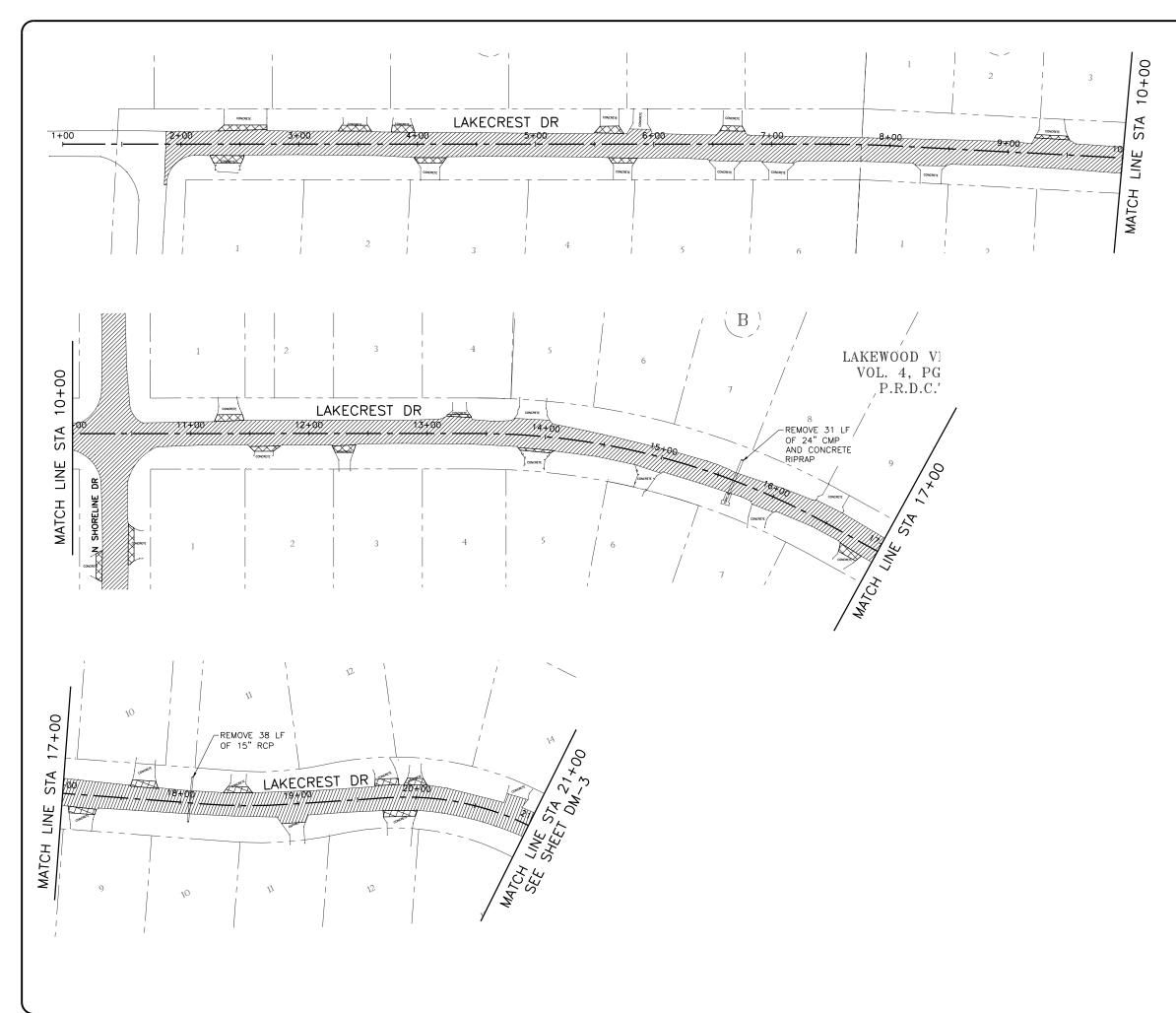
BENCHMARK #104: A "BOX" CUT IN CONCRETE ON THE WEST SIDE OF HIGHRIDGE DRIVE ±55' SOUTH OF THE INTERSECTION OF HIGHRIDGE DRIVE AND GREEN MEADOW DRIVE LOCATED ON THE NORTHEAST CORNER OF A CONCRETE PAD FOR MAILBOX KIOSK. ELEVATION=548.25'

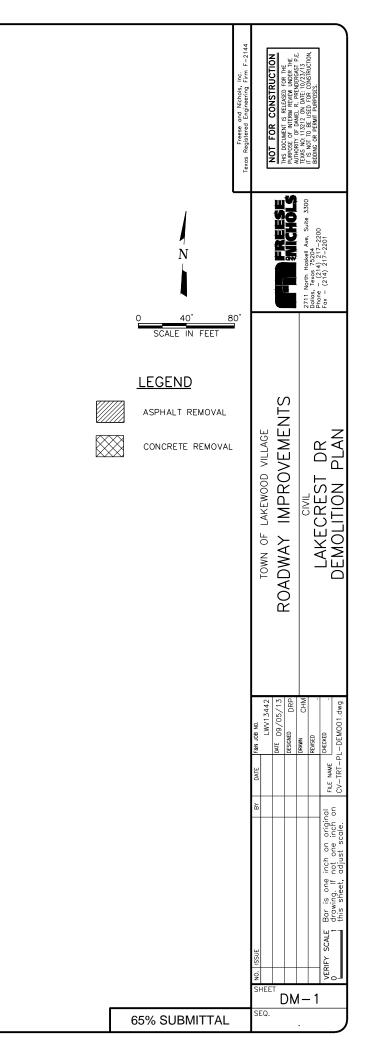
	SURVEY CONTROL POINTS							
PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION				
1	7102395.04	2436096.02	581.48	1/2" IRON ROD MARKED "RANDOM" SET				
2	7102423.73	2436644.32	576.69	1/2" IRON ROD MARKED "RANDOM" SET				
3	7102434.40	2436959.70	572.52	1/2" IRON ROD MARKED "RANDOM" SET				
4	7102424.09	2437417.47	553.75	1/2" IRON ROD MARKED "RANDOM" SET				
5	7102222.89	2437821.46	549.61	1/2" IRON ROD MARKED "RANDOM" SET				
6	7102133.51	2438061.92	546.34	1/2" IRON ROD MARKED "RANDOM" SET				
7	7101880.82	2437821.48	546.57	1/2" IRON ROD MARKED "RANDOM" SET				
8	7101694.45	2437611.95	543.83	1/2" IRON ROD MARKED "RANDOM" SET				
9	7101830.12	2437335.50	560.33	1/2" IRON ROD MARKED "RANDOM" SET				
10	7101801.70	2437108.46	549.42	1/2" IRON ROD MARKED "RANDOM" SET				
11	7101533.17	2437122.20	559.77	1/2" IRON ROD MARKED "RANDOM" SET				
12	7101210.62	2437110.49	564.27	1/2" IRON ROD MARKED "RANDOM" SET				
13	7101222.27	2436813.44	556.35	1/2" IRON ROD MARKED "RANDOM" SET				
14	7101183.55	2436474.64	550.67	1/2" IRON ROD MARKED "RANDOM" SET				
15	7101475.40	2436323.81	547.69	1/2" IRON ROD MARKED "RANDOM" SET				
16	7101797.58	2436205.68	575.59	1/2" IRON ROD MARKED "RANDOM" SET				
17	7102070.40	2436117.92	578.22	1/2" IRON ROD MARKED "RANDOM" SET				
18	7102085.31	2436405.98	562.21	1/2" IRON ROD MARKED "RANDOM" SET				
19	7102108.70	2436779.51	560.63	1/2" IRON ROD MARKED "RANDOM" SET				
20	7102134.80	2436972.41	560.94	1/2" IRON ROD MARKED "RANDOM" SET				

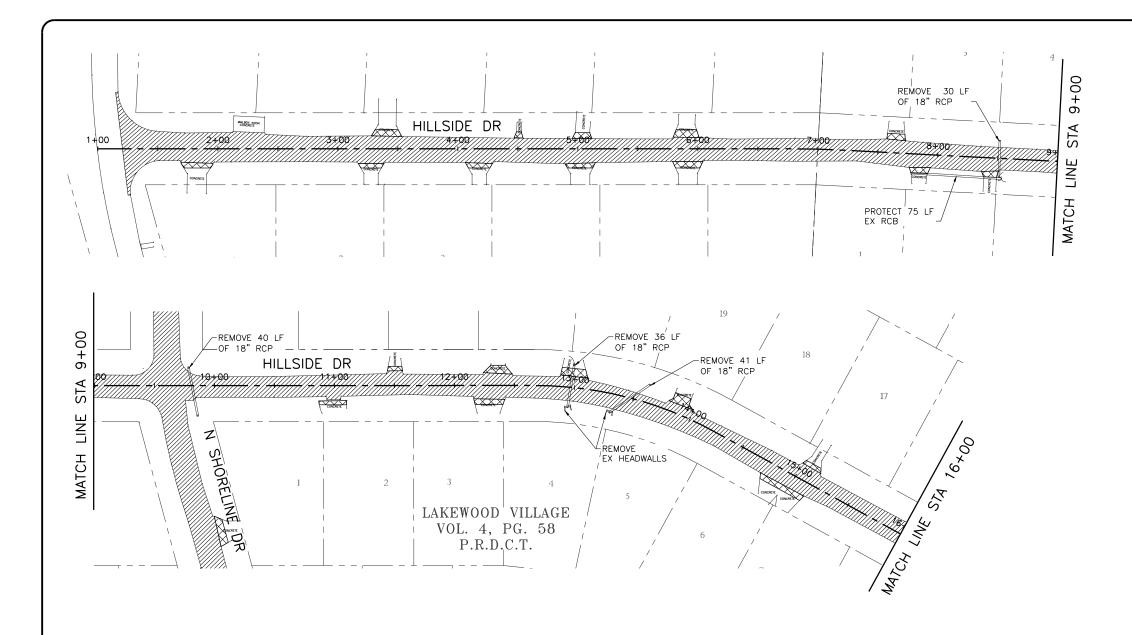
	SURVEY CONTROL POINTS							
PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION				
21	7102133.16	2437350.73	561.89	1/2" IRON ROD MARKED "RANDOM" SET				
22	7102015.35	2437543.51	565.62	1/2" IRON ROD MARKED "RANDOM" SET				
25	7101528.77	2436908.27	565.44	1/2" IRON ROD MARKED "RANDOM" SET				
24	7101481.70	2436679.90	565.62	1/2" IRON ROD MARKED "RANDOM" SET				
23	7101826.38	2436644.39	574.05	1/2" IRON ROD MARKED "RANDOM" SET				

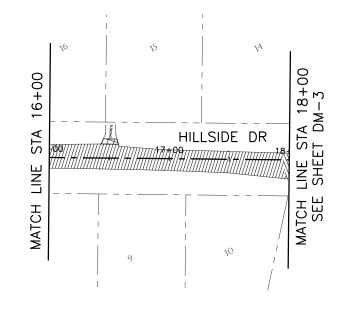
BENCHMARK #103: A "BOX" CUT IN CONCRETE ON THE EAST SIDE OF SHORELINE DRIVE ±70' SOUTH OF THE INTERSECTION OF SHORELINE DRIVE AND NORTH PENINSULA DRIVE LOCATED ON THE SOUTHWEST END OF A CONCRETE SIDEWALK. ELEVATION=550.53'

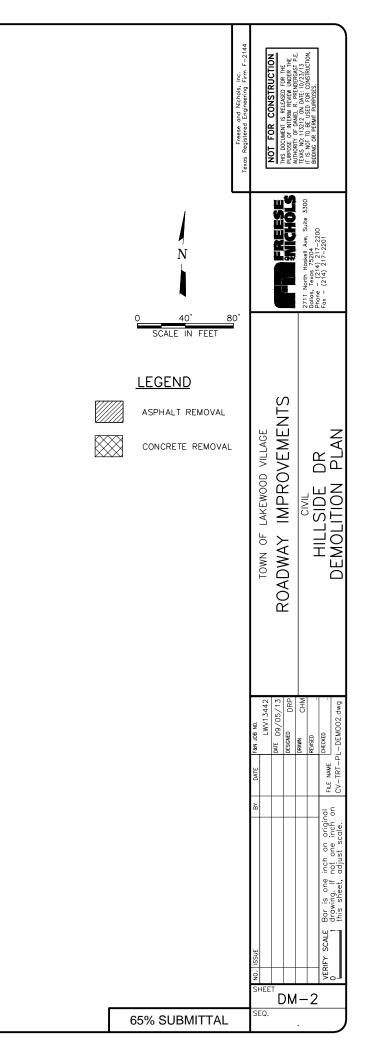
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				2711 North Hoskell Ave, Suite 3300 Dollas, Texas 75204	Phone - (214) 217-2200 Fax - (214) 217-2201
SET SET SET SET SET		TOWN OF LAKEWOOD VILLAGE	ROADWAY IMPROVEMENTS	CIVIL	ALIGNMENT DATA
		DATE F&N JOB NO. LWV13442	DATE 09/05/13 DESIGNED DRP	DRAWN CHM REVISED	FILE NAME CHECKED . CV-TRT-PL-HORIZO1.dwg
		No. ISSUE BY	T		VERIFY SCALE Bar is one inch on original 0 1 drawing. If not one inch on this sheet, adjust scale.
65% SUBMITTAL		SHEE SEQ.	HC	;-2	2

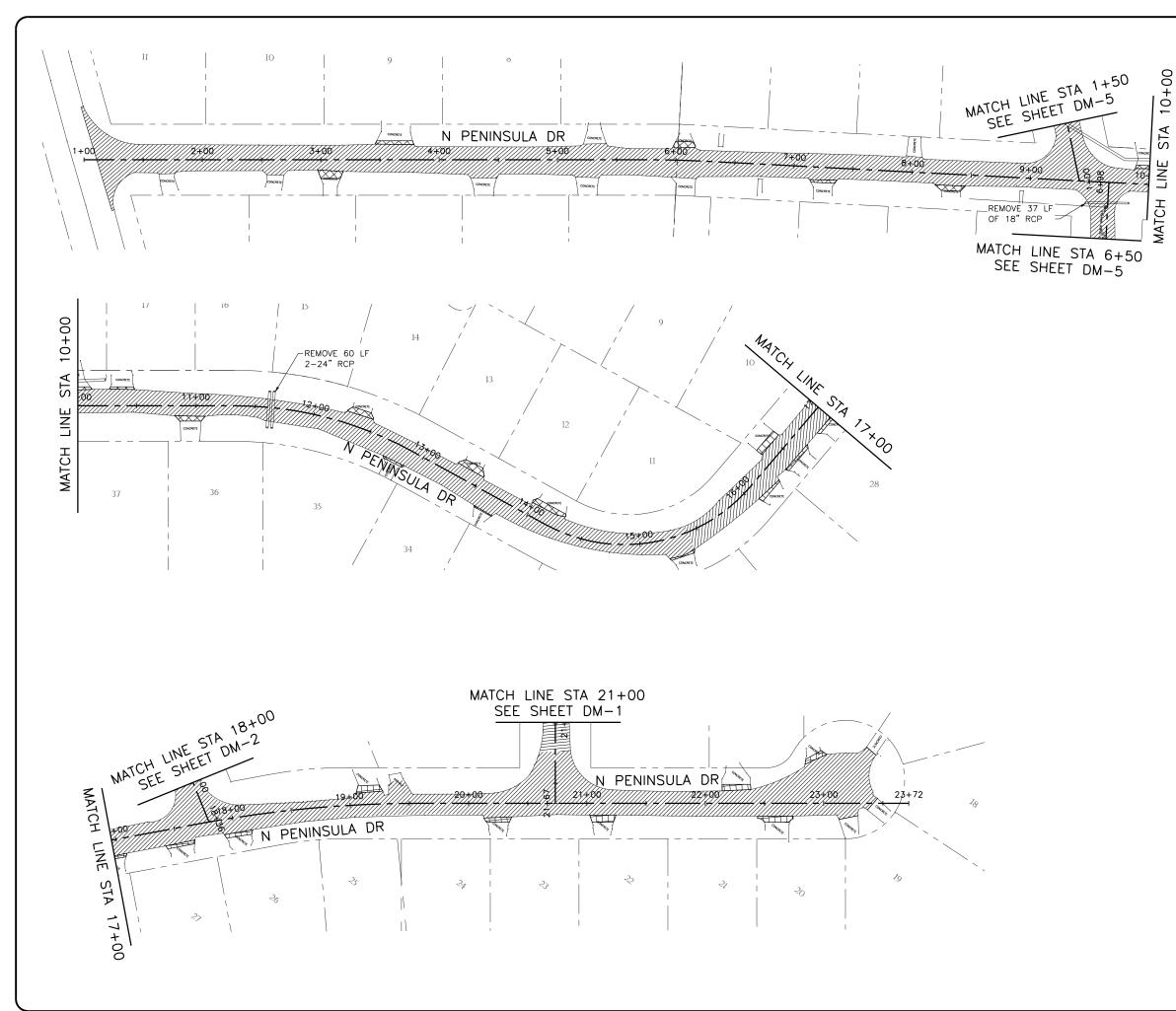


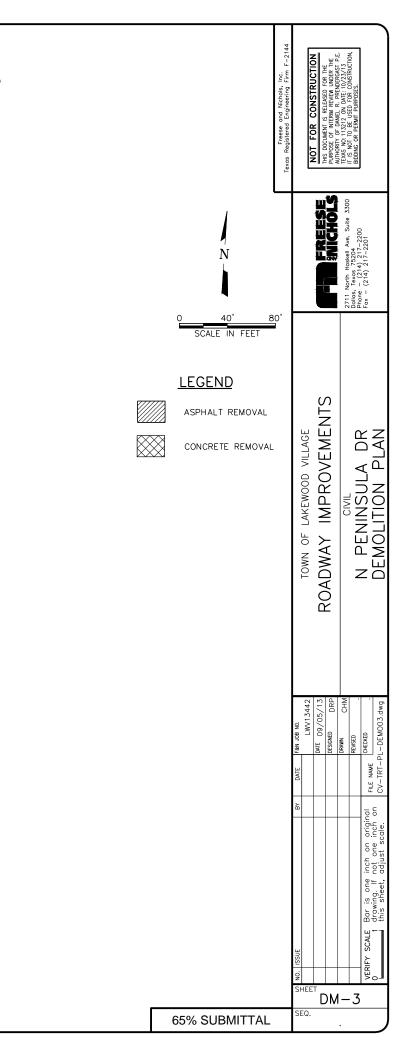


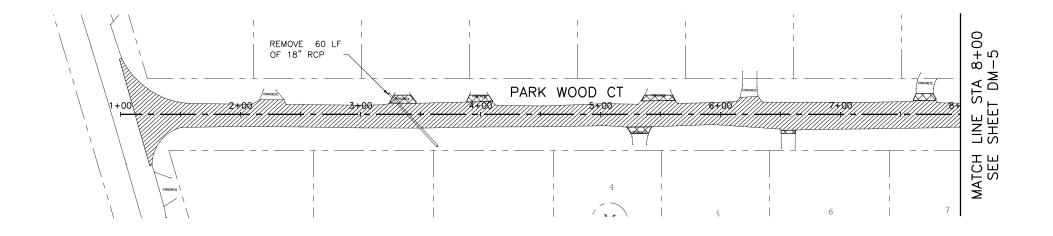


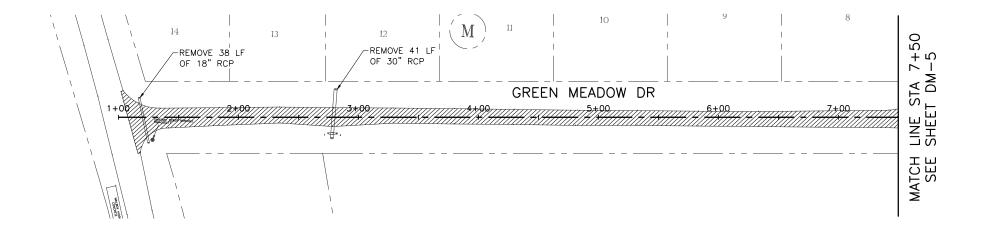


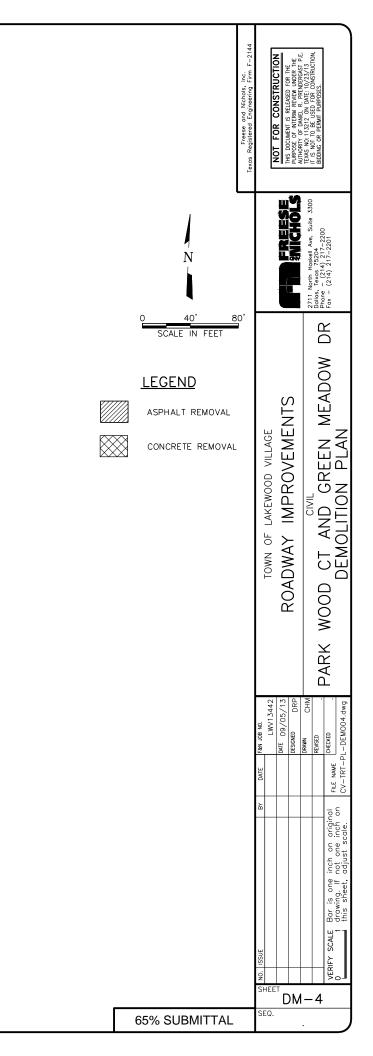


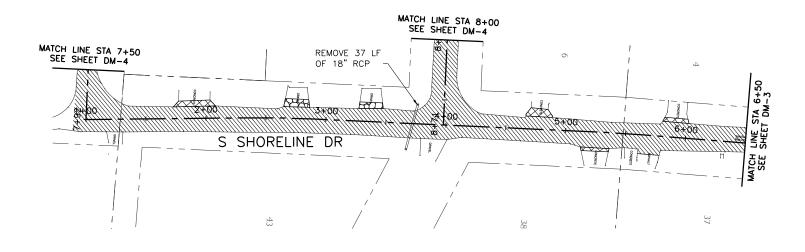


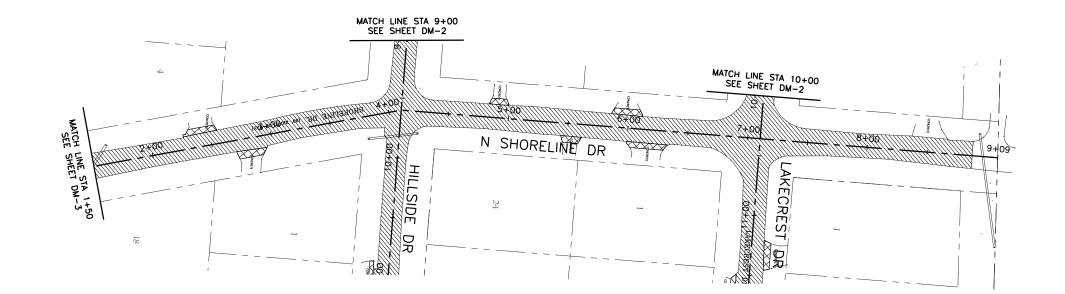




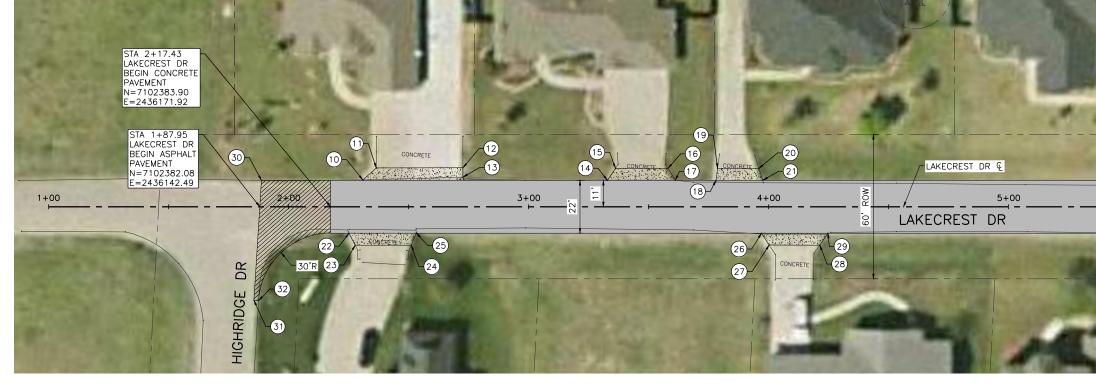








		Freese and Nichols, Inc. Texas Registered Engineering Firm F-2144			THIS DOCINITIANT IS DELEASED FOR THE		TEXAS NO: 113212 ON DATE: 10/23/13	IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.		
						<b>E I SNICHOLS</b>	2711 North Hoskell Ave Suite 3300	Dallas, Texas 75204 Dallas, Texas 75204 Phone - (714) 217-2200	Fax - (214) 217-2201	
	SCALE IN FEET LEGEND ASPHALT REMOVAL CONCRETE REMOVAL GRAVEL REMOVAL	-		TOWN OF LAKEWOOD VILLAGE	DOADWAY INDDONFNENTS		CIVIL			DEMOLITION PLAN
			DATE F&N JOB NO.	LWV13442	DATE 09/05/13	DESIGNED DRP	DRAWN CHM	REVISED .	FILF NAME CHECKED .	CV-TRT-PL-DEM005.dwg
			2 NO. ISSUE	155					e inch on original	drawing. If not one inch on this sheet, adjust scale.
	65% SUBMITTAL			EQ.	<u></u>	)N	1 —	-5		
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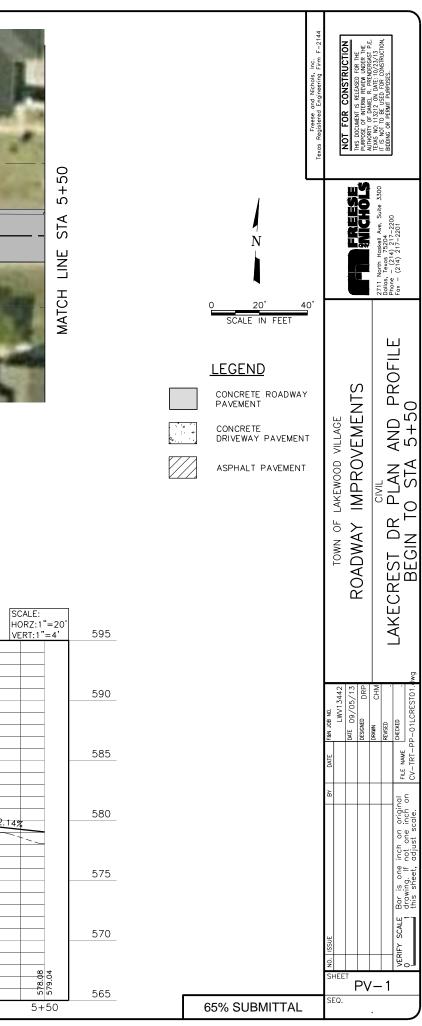


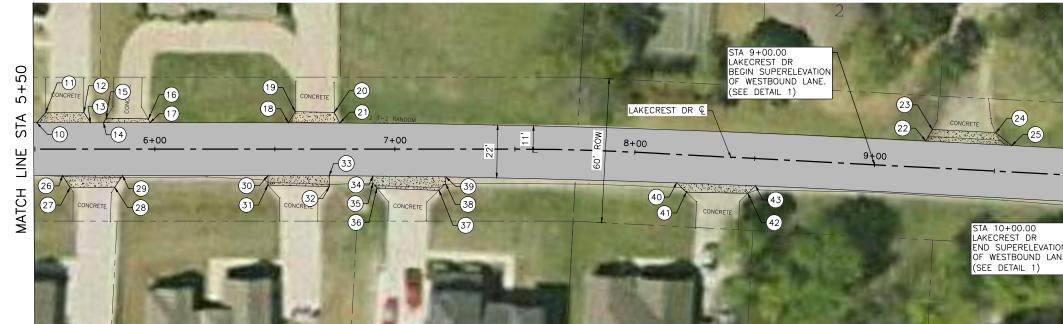
PVMT PI

	PC	INT TABLE				PO	INT TABLE	
PNT	NORTHING	EASTING	DESCRIPTION	]	PNT	NORTHING	EASTING	
10	7102395.86	2436184.65	PVMT PI		20	7102410.89	2436349.07	
11	7102401.23	2436189.93	PVMT PI		21	7102406.00	2436350.98	
12	7102403.48	2436225.98	PVMT PI		22	7102373.40	2436180.27	
13	7102399.61	2436226.22	PVMT PI		23	7102368.57	2436183.14	
14	7102402.00	2436286.38	PVMT PI		24	7102370.01	2436206.45	
15	7102407.20	2436289.42	PVMT PI		25	7102375.15	2436208.26	
16	7102408.55	2436311.25	PVMT PI		26	7102384.01	2436351.81	
17	7102403.75	2436314.67	PVMT PI		27	7102379.24	2436355.30	
18	7102404.80	2436331.53	PVMT PI		28	7102380.52	2436376.39	
19	7102409.83	2436331.90	PVMT PI	]	29	7102385.72	2436379.50	

	POINT TABLE					
DESCRIPTION	PNT	NORTHING	EASTING	DESCRIPTION		
PVMT PI	30	7102393.11	2436142.51	PVMT PI		
PVMT PI	31	7102343.02	2436142.45	PVMT PI		
PVMT PI	32	7102343.01	2436144.45	30'R PC		

595										 
590			HIGH POIN HIGH POIN PVI ST PVI EL GRADE CF	STA = 2 + 38.85 L ELEV = 582.23 A = 2 + 35.86 EV = 582.38 ANGE = -1.47% = 54.25				HIGH POINT STA = HIGH POINT ELEV PVI STA = 44 PVI ELEV = 5 GRADE CHANGE =	= 4+17.89 = 581.14 +67.89 580.80	
585			α α α α α α α α α α α α α α	24 75.8 <b>6</b> 7A 0000 24 75.8 <b>6</b> 24 75.8		PROP GROUND	581.114 581.114			579.73 579.73
580			0.79 <b>%</b>			-0.68%	BVCE: 1 BVCE	EX GROUND		EACE: 2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1
575			95 95 144LT 00 43 CRETE 19	Image: state         Image: state<						
570			STA         1+87.95           STA         1+87.95           BEGIN         ASPHALT           BECIN         ASPHALT           ELEV=582.00         STA           STA         2+17.43           BECIN         CONCRET           PACEMENT         CONCRET           PACEMENT         CONCRET           PACEMENT         CONCRET							
EX ELEV. PROP ELEV. 292	1+00	8 8 8 9 1+50	2+00	2+50	8 <b>5</b> 6 <b>5</b> 7 <b>6</b> 8 <b>7</b> 8 <b>7171111111111111</b>	3+50	4+00	4+50	5+00	



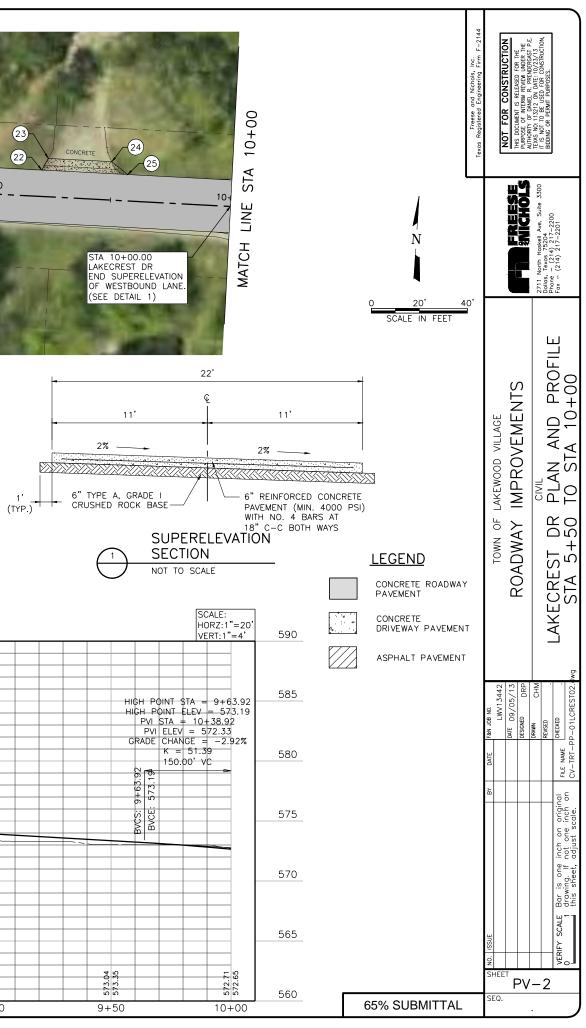


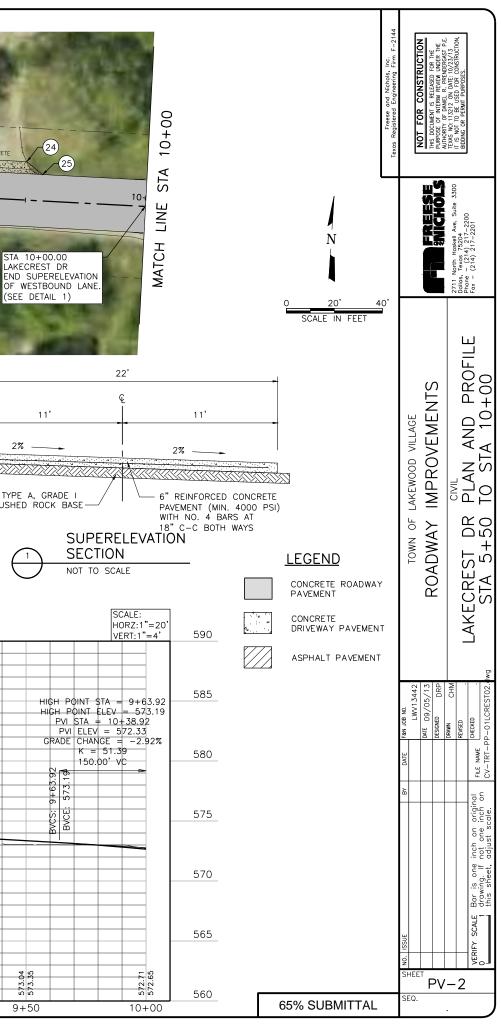
	POINT TABLE							
PNT	NORTHING	EASTING	DESCRIPTION					
10	7102415.47	2436504.00	PVMT PI					
18	7102421.92	2436608.57	PVMT PI					
11	7102419.77	2436507.36	PVMT PI					
12	7102421.01	2436523.29	PVMT PI					
13	7102416.85	2436526.30	PVMT PI					
14	7102417.18	2436531.73	PVMT PI					
15	7102419.10	2436532.71	PVMT PI					
16	7102419.89	2436550.31	PVMT PI					
17	7102418.38	2436551.01	PVMT PI					
19	7102426.71	2436611.13	PVMT PI					

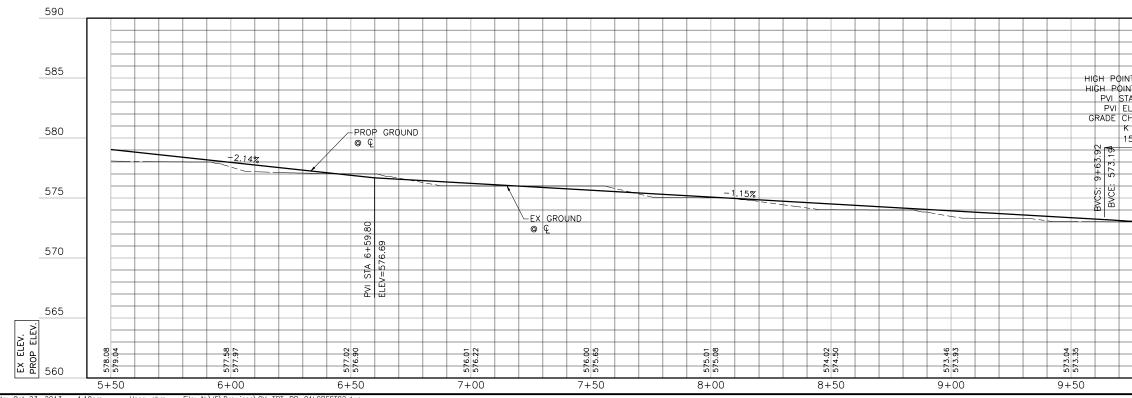
	POINT TABLE								
I	PNT	NORTHING	EASTING	DESCRIPTION					
	20	7102427.34	2436627.39	PVMT PI					
	21	7102423.14	2436629.97	PVMT PI					
	22	7102430.70	2436874.12	PVMT PI					
	23	7102435.73	2436876.51	PVMT PI					
	24	7102435.97	2436903.03	PVMT PI					
	25	7102431.04	2436909.95	PVMT PI					
	26	7102394.17	2436516.05	PVMT PI					
	27	7102389.38	2436519.51	PVMT PI					
	28	7102390.50	2436538.06	PVMT PI					
	29	7102395.72	2436541.01	PVMT PI					

	POINT TABLE								
PNT	NORTHING	EASTING	DESCRIPTION						
30	7102399.42	2436601.49	PVMT PI						
31	7102395.44	2436601.64	PVMT PI						
32	7102396.41	2436627.25	PVMT PI						
33	7102400.95	2436627.00	PVMT PI						
34	7102401.90	2436645.12	PVMT PI						
35	7102399.04	2436645.27	PVMT PI						
36	7102397.03	2436647.14	PVMT PI						
37	7102397.69	2436672.97	PVMT PI						
38	7102400.54	2436675.57	PVMT PI						
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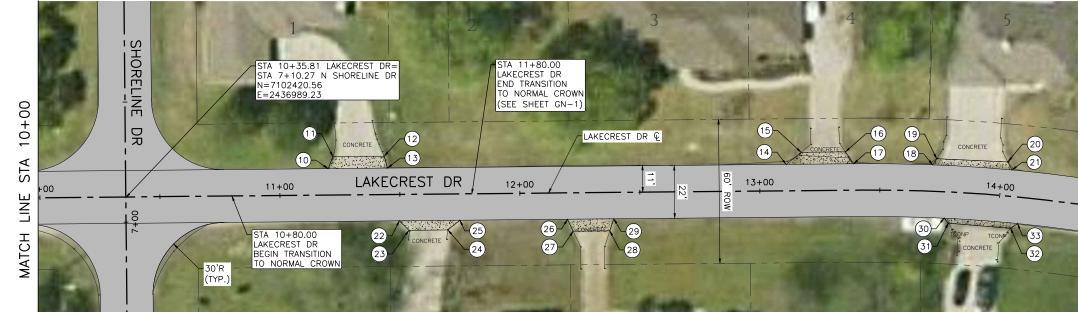
POINT TABLE					
PNT NORTHING EASTING DESCR					
7102406.96	2436771.60	PVMT PI			
7102403.30	2436775.87	PVMT PI			
7102404.40	2436801.47	PVMT PI			
7102407.74	2436804.49	PVMT PI			
	NORTHING 7102406.96 7102403.30 7102404.40	NORTHING         EASTING           7102406.96         2436771.60           7102403.30         2436775.87           7102404.40         2436801.47			







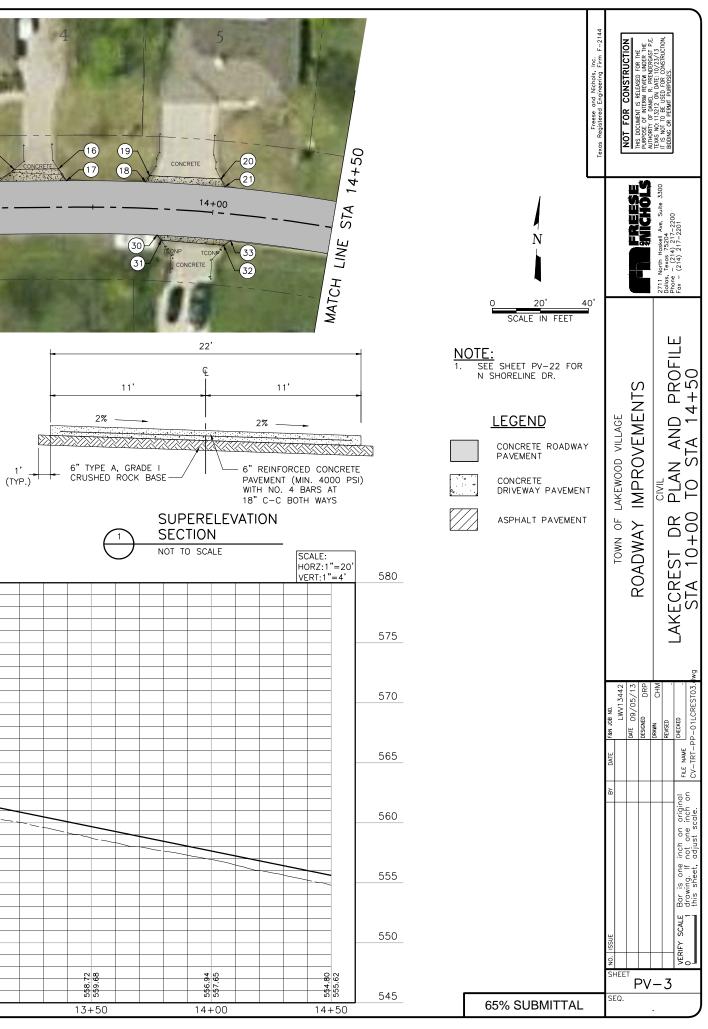
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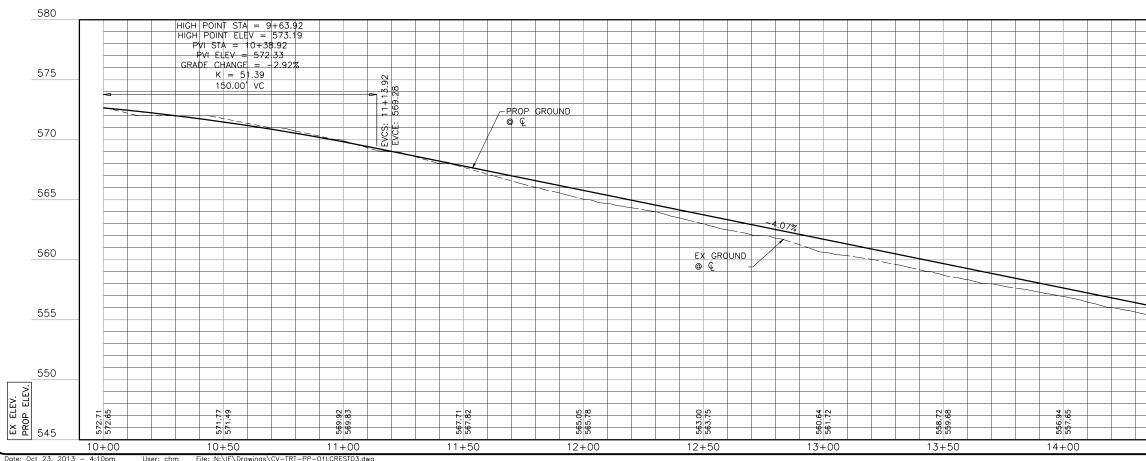


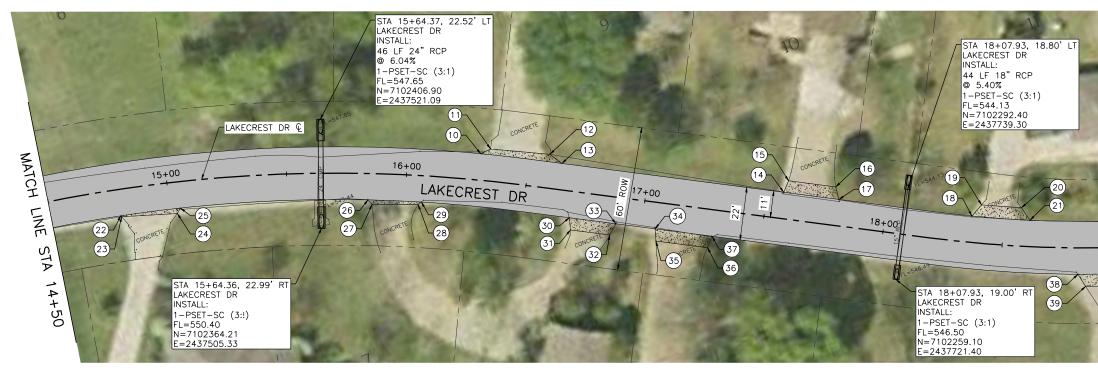
	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION		ł		
10	7102432.55	2437073.52	PVMT PI				
11	7102437.57	2437075.54	PVMT PI				
12	7102437.77	2437096.87	PVMT PI				
13	7102432.78	2437098.29	PVMT PI				
14	7102434.33	2437264.32	PVMT PI				
15	7102439.38	2437270.59	PVMT PI				
16	7102439.55	2437289.04	PVMT PI				
17	7102434.59	2437292.45	PVMT PI				

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
18	7102434.18	2437325.39	PVMT PI			
19	7102436.72	2437327.07	PVMT PI			
20	7102435.40	2437356.75	PVMT PI			
21	7102432.03	2437358.48	PVMT PI			
22	7102410.83	2437103.22	PVMT PI			
23	7102406.86	2437107.18	PVMT PI			
24	7102407.02	2437123.42	PVMT PI			
25	7102411.06	2437128.43	PVMT PI			

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
26	7102411.48	2437173.23	PVMT PI			
27	7102406.50	2437175.62	PVMT PI			
28	7102406.64	2437190.89	PVMT PI			
29	7102411.66	2437192.56	PVMT PI			
30	7102411.96	2437330.14	PVMT PI			
31	7102409.86	2437331.95	PVMT PI			
32	7102407.73	2437357.85	PVMT PI			
33	7102409.71	2437360.77	PVMT PI			







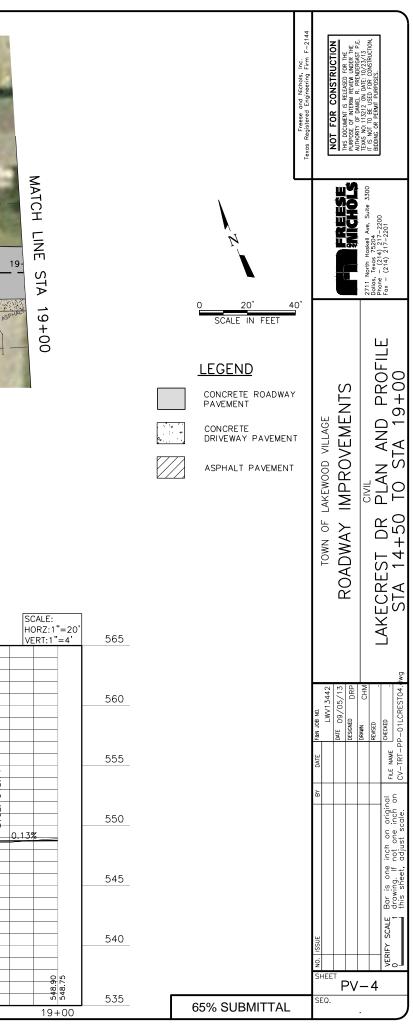
	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
10	7102369.66	2437578.40	PVMT PI				
11	7102370.03	2437582.95	PVMT PI				
12	7102359.18	2437605.24	PVMT PI				
13	7102353.82	2437608.56	PVMT PI				
14	7102309.69	2437690.65	PVMT PI				
15	7102313.43	2437694.26	PVMT PI				
16	7102304.05	2437711.70	PVMT PI				
17	7102298.71	2437711.08	PVMT PI				
18	7102272.50	2437760.39	PVMT PI				
19	7102275.41	2437765.80	PVMT PI				

POINT TABLE							
PNT	NORTHING	EASTING	DESCRIPTION				
20	7102268.37	2437780.91	PVMT PI				
21	7102262.26	2437782.38	PVMT PI				
22	7102398.94	2437429.04	PVMT PI				
23	7102398.42	2437429.23	PVMT PI				
24	7102391.42	2437451.40	PVMT PI				
25	7102393.10	2437453.41	PVMT PI				
26	7102368.42	2437527.65	PVMT PI				
27	7102366.05	2437528.57	PVMT PI				
28	7102359.23	2437546.46	PVMT PI				
29	7102359.67	2437548.09	PVMT PI				

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
30	7102331.60	2437603.42	PVMT PI				
31	7102326.68	2437602.02	PVMT PI				
32	7102318.86	2437616.57	PVMT PI				
33	7102322.35	2437620.64	PVMT PI				
34	7102314.54	2437635.16	PVMT PI				
35	7102309.68	2437633.64	PVMT PI				
36	7102299.41	2437652.75	PVMT PI				
37	7102303.22	2437656.22	PVMT PI				
38	7102234.09	2437793.04	PVMT PI				
39	7102228.26	2437794.26	PVMT PI				

565					
560		LOW POINT STA = 16+11.97 LOW POINT ELEV = 550.94 PVI STA = 15+61.97 PVI ELEV = 551.06 GRADE CHANGE = 3.82% K = 26.16	HIGH POINT STA = 16+45.60 HIGH POINT ELEV = 550.86 PVI STA = 16+70.60 PVI ELEV = 550.80 GRADE CHANGE = -1.18% K = 42.44	LOW POINT ST LOW POINT EL PVI STA DUE LE EV	$ \begin{array}{rcl} \hline A &=& 18 + 63.49 \\ \hline LEV &=& 548.71 \\ \hline &=& 548.65 \\ \hline &=& 548.65 \\ \hline &=& 1.55\% \\ \hline &=& 64.35 \\ \hline &=& 1.55\% \\ \hline &=& $
555		Leven 20, 20, 001 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	0         50.00         VC           0         50.00         VC           0         6         6           0         6         6           0         70         6           0         6         6           0         7         6           0         7         6           0         7         6           0         7         6           0         7         6           0         7         7		
550					A EVCS: 18+72.00
545			Image: state	Image: state	
540 ELEV. 535	55 55 55 55 55 55 55 55 55 55 55 55 55	222 222 222 222 222 222 222 222	222 222 222 222 222 222 222 222	2 2 4 5 0 0 5 2 4 5 0 8 2 2 4 5 0 0 5 2 4 5 0 0 5 2 4 5 0 0 5 2 4 5 0 0 5 2 4 5 0 0 5 2 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 2 5 4 5 0 0 5 0 0 5 0 0 5 0 0 5 0 0 0 5 0	22 23 20 20 20 20 20 20 20 20 20 20 20 20 20
ጔ ፚ 535	x x         x         x           14+50         15+00	x         x	<u>දි</u> සි <u>දි</u> සි 16+50 17+00	17+50 18+00	18+50

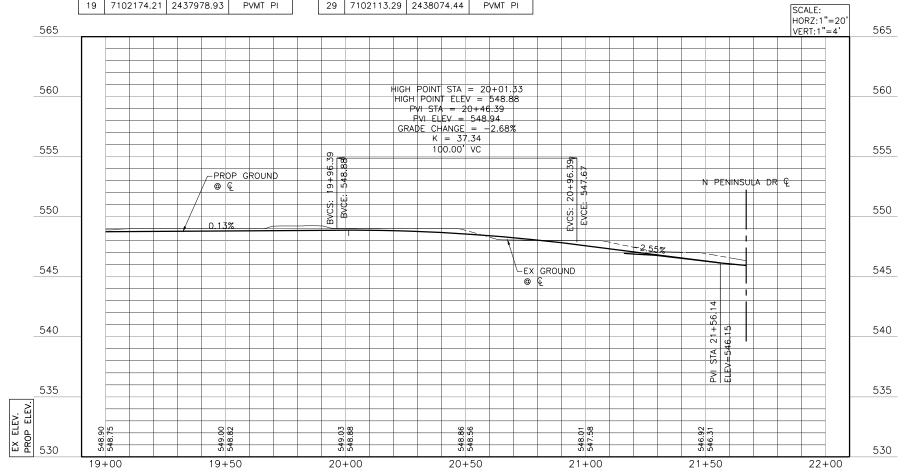
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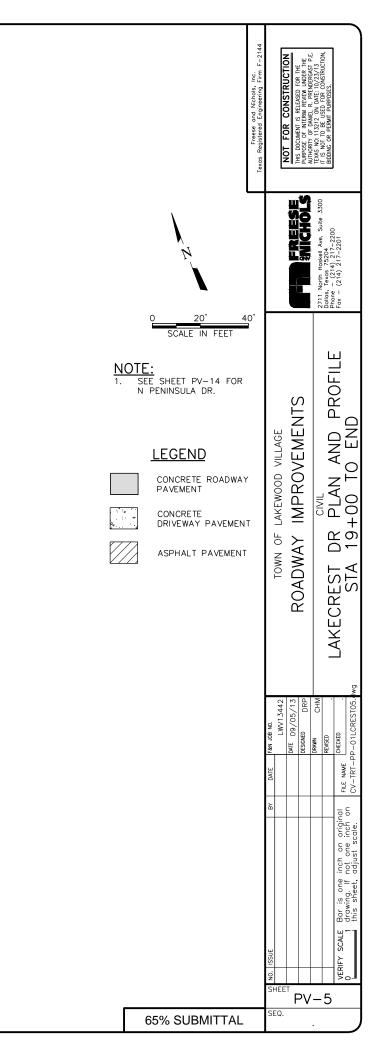


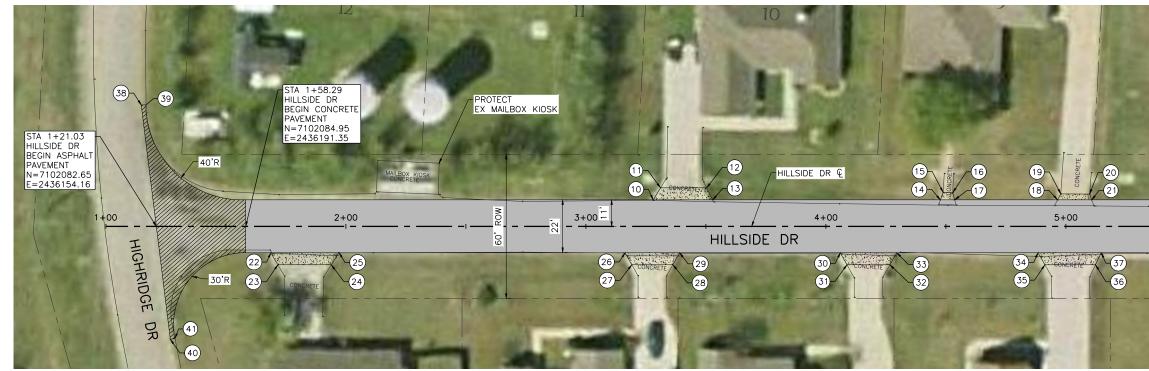


-							
	POINT TABLE						
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10	7102225.73	2437879.52	PVMT PI				
11	7102230.23	2437881.77	PVMT PI				
12	7102223.37	2437899.95	PVMT PI				
13	7102218.57	2437898.46	PVMT PI				
14	7102216.78	2437902.68	PVMT PI				
15	7102220.22	2437907.26	PVMT PI				
16	7102214.39	2437919.38	PVMT PI				
17	7102208.36	2437920.10	PVMT PI				
18	7102173.33	2437969.88	PVMT PI				
10	7102174 21	2437978 93					

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
20	7102162.20	2437993.08	PVMT PI				
21	7102149.97	2437992.42	PVMT PI				
22	7102203.15	2437877.20	PVMT PI				
23	7102198.53	2437875.29	PVMT PI				
24	7102188.11	2437900.39	PVMT PI				
25	7102191.96	2437903.90	PVMT PI				
26	7102099.59	2438057.85	PVMT PI				
27	7102096.83	2438062.36	PVMT PI				
28	7102108.26	2438076.20	PVMT PI				
29	7102113.29	2438074.44	PVMT PI				





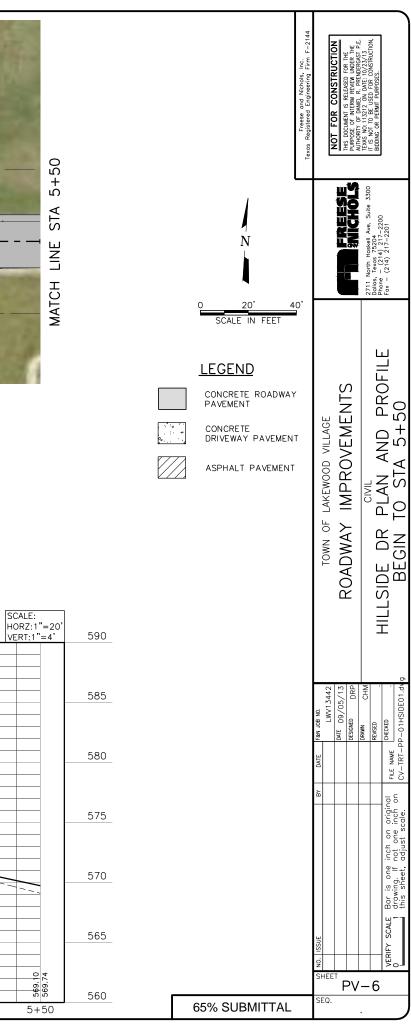


	POINT TABLE				PC	DINT TABLE	
PNT	NORTHING	EASTING	DESCRIPTION	PNT	NORTHING	EASTING	DESCRIPTION
10	7102106.41	2436360.08	PVMT PI	20	7102120.05	2436541.42	PVMT PI
11	7102111.59	2436362.85	PVMT PI	21	7102117.70	2436542.46	PVMT PI
12	7102112.78	2436382.01	PVMT PI	22	7102074.62	2436202.44	PVMT PI
13	7102107.95	2436384.86	PVMT PI	23	7102069.81	2436205.70	PVMT PI
14	7102113.80	2436479.49	PVMT PI	24	7102071.19	2436227.92	PVMT PI
15	7102116.98	2436480.49	PVMT PI	25	7102076.37	2436230.81	PVMT PI
16	7102117.17	2436484.48	PVMT PI	26	7102083.73	2436349.79	PVMT PI
17	7102114.17	2436485.49	PVMT PI	27	7102078.92	2436352.90	PVMT PI
18	7102116.82	2436528.26	PVMT PI	28	7102079.97	2436369.97	PVMT PI
19	7102119.41	2436529.46	PVMT PI	29	7102085.14	2436372.49	PVMT PI

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
30	7102089.27	2436439.26	PVMT PI			
31	7102084.45	2436442.34	PVMT PI			
32	7102085.56	2436460.21	PVMT PI			
33	7102090.72	2436462.76	PVMT PI			
34	7102094.36	2436521.51	PVMT PI			
35	7102089.54	2436524.66	PVMT PI			
36	7102090.85	2436545.72	PVMT PI			
37	7102095.99	2436547.80	PVMT PI			
38	7102132.69	2436144.79	PVMT PI			
39	7102132.84	2436146.79	40'R PC			

	PC	DINT TABLE	
PNT	NORTHING	EASTING	DESCRIPTION
40	7102036.03	2436162.90	PVMT PI
41	7102036.53	2436164.83	30'R PC

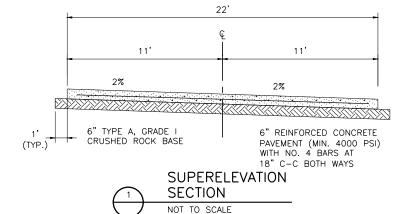
590 HIGH POINT STA = 2+55.09 HIGH POINT ELEV = 578.87 PVI STA = 3+32.48 PVI ELEV = 579.03 $\begin{array}{c|cccc} GRADE & CHANGE &= -4.47\% \\ \hline K &= 38.00 \\ \hline 170.00' & VC \end{array}$ 585 . 8 ₽ ₽ -PROP GROUND 2+47. 578.8 φĘ 17.48 5.40 BVCS: 580 + 5 EVCS: FVCF 575 EX GROUND ΘÇ STA 1+21.03 BEGIN CONCRET PAVEMENT ELEV=578.71 HAL. BEGIN ASPI PAVEMENT ELEV=578.1 570 565 EX ELEV. PROP ELEV. 200 578.01 578.87 579.00 578.67 578.01 578.77 578.00 578.60 577.26 577.68 575.86 576.11 571.29 571.87 573.64 574.01 2+50 3+00 3+50 4+00 4+50 5+00 1+00 1+50 2+00

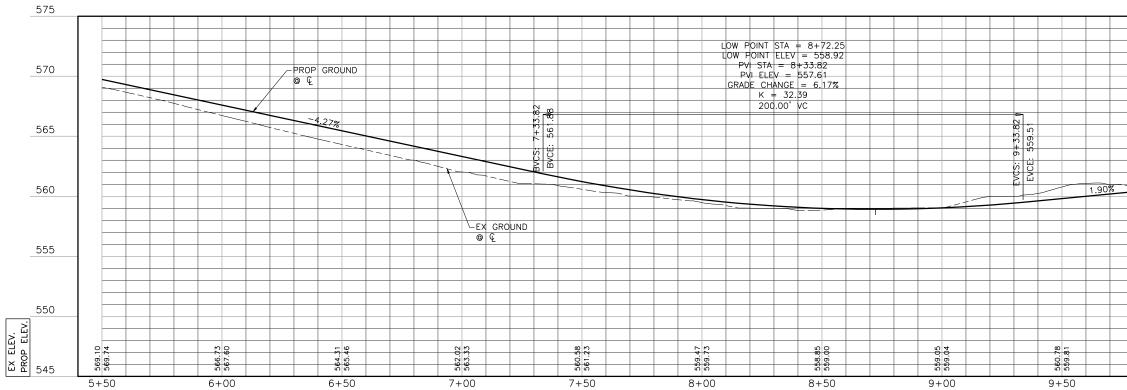


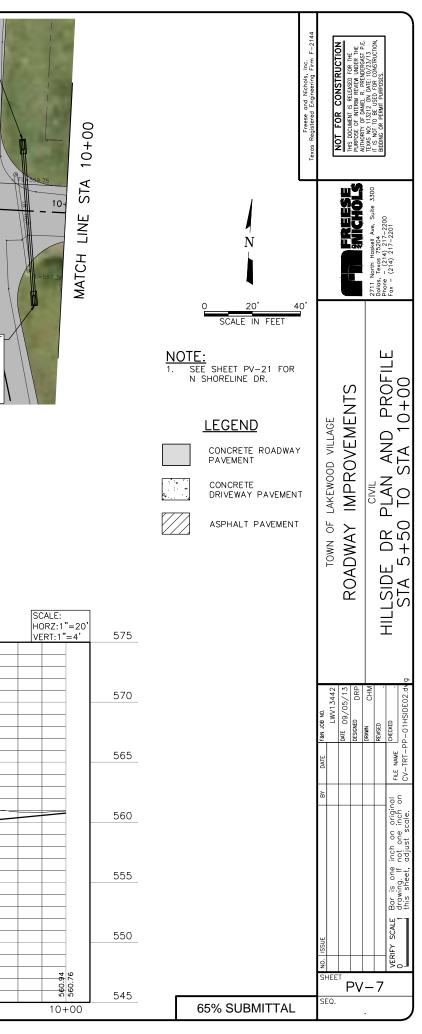


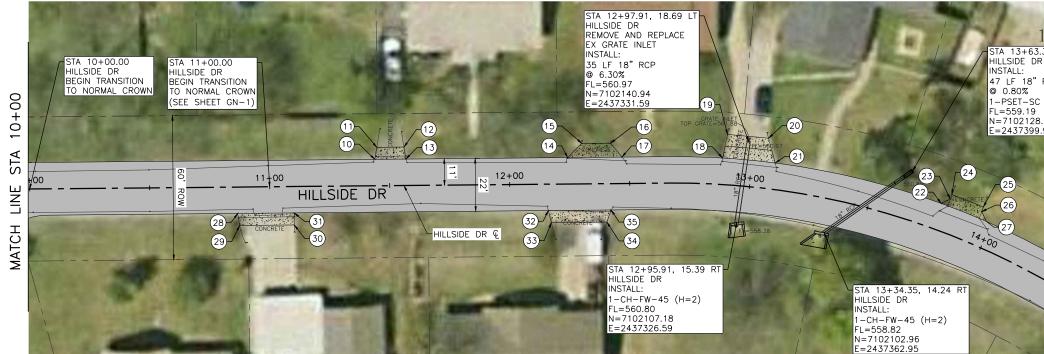
POINT TABLE					
PNT	NORTHING	EASTING	DESCRIPTION		
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11	7102127.08	2436613.16	PVMT PI		
12	7102128.13	2436630.11	PVMT PI		
13	7102123.24	2436632.01	PVMT PI		
14	7102129.90	2436788.79	PVMT PI		
15	7102134.90	2436788.75	PVMT PI		
16	7102135.04	2436803.62	PVMT PI		
17	7102130.04	2436804.36	PVMT PI		
18	7102099.96	2436611.98	PVMT PI		
19	7102095.11	2436614.64	PVMT PI		

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
20	7102096.37	2436634.94	PVMT PI			
21	7102101.49	2436636.86	PVMT PI			
22	7102108.08	2436808.86	PVMT PI			
23	7102103.10	2436810.52	PVMT PI			
24	7102103.23	2436824.46	PVMT PI			
25	7102108.24	2436826.27	PVMT PI			
26	7102108.64	2436869.04	PVMT PI			
27	7102103.66	2436871.13	PVMT PI			
28	7102103.76	2436882.16	PVMT PI			
29	7102108.78	2436883.48	PVMT PI			





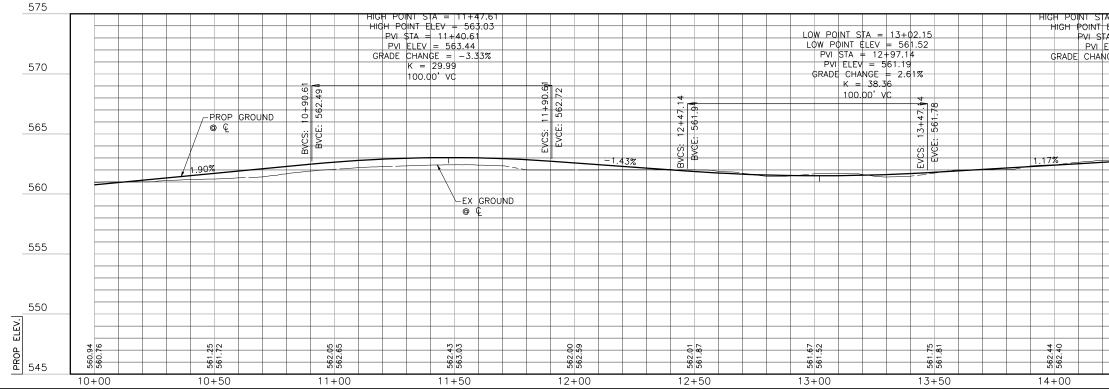




POINT TABLE					
PNT	NORTHING	EASTING	DESCRIPTION		
10	7102133.49	2437175.84	PVMT PI		
18	7102134.07	2437320.72	PVMT PI		
11	7102138.50	2437176.65	PVMT PI		
12	7102138.60	2437187.97	PVMT PI		
13	7102133.61	2437188.76	PVMT PI		
14	7102134.24	2437256.16	PVMT PI		
15	7102140.20	2437262.08	PVMT PI		
16	7102140.23	2437274.02	PVMT PI		
17	7102134.45	2437278.79	PVMT PI		
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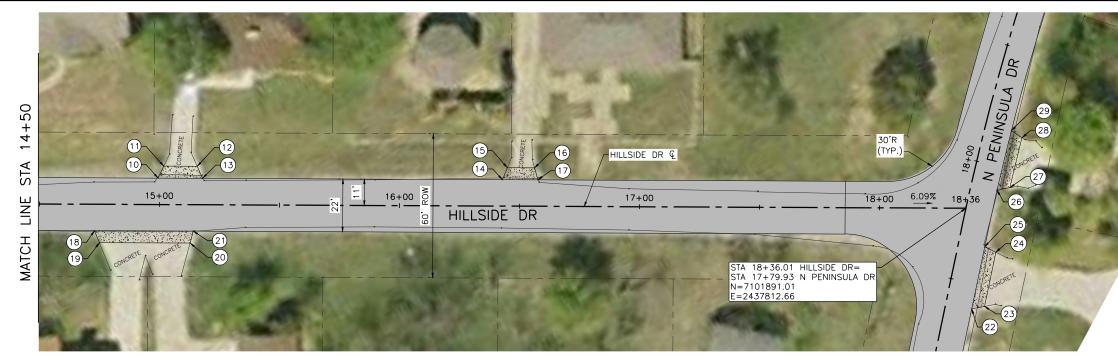
	POINT TABLE					
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20	7102142.29	2437339.89	PVMT PI			
21	7102132.00	2437342.64	PVMT PI			
22	7102115.20	2437411.76	PVMT PI			
23	7102116.98	2437415.58	PVMT PI			
24	7102118.86	2437416.27	PVMT PI			
25	7102113.64	2437429.36	PVMT PI			
26	7102111.74	2437428.70	PVMT PI			
27	7102107.65	2437430.62	PVMT PI			
28	7102110.96	2437118.68	PVMT PI			
29	7102105.97	2437119.53	PVMT PI			

POINT TABLE					
PNT	NORTHING	EASTING	DESCRIPTION		
30	7102106.18	2437142.28	PVMT PI		
31	7102111.18	2437142.26	PVMT PI		
32	7102112.16	2437248.12	PVMT PI		
33	7102107.17	2437249.38	PVMT PI		
34	7102107.39	2437272.50	PVMT PI		
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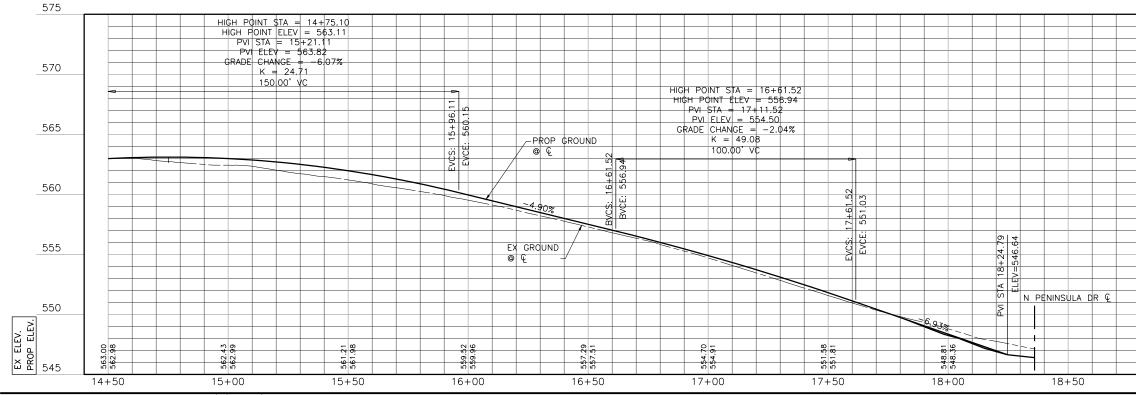


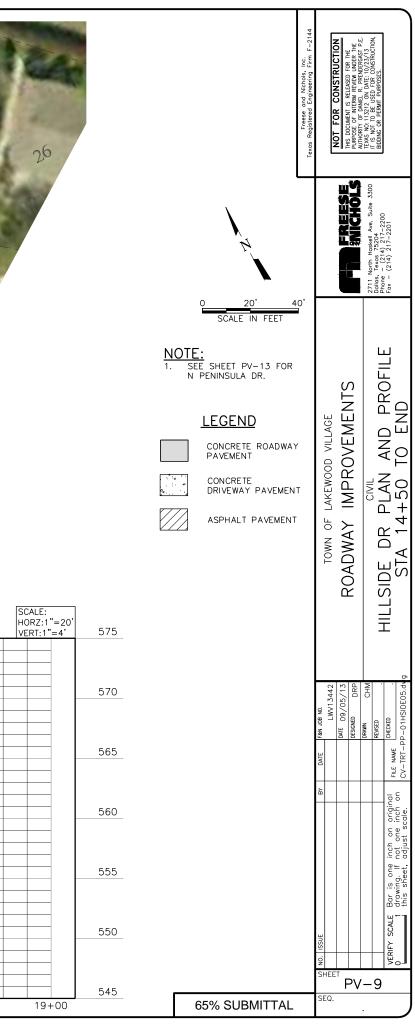
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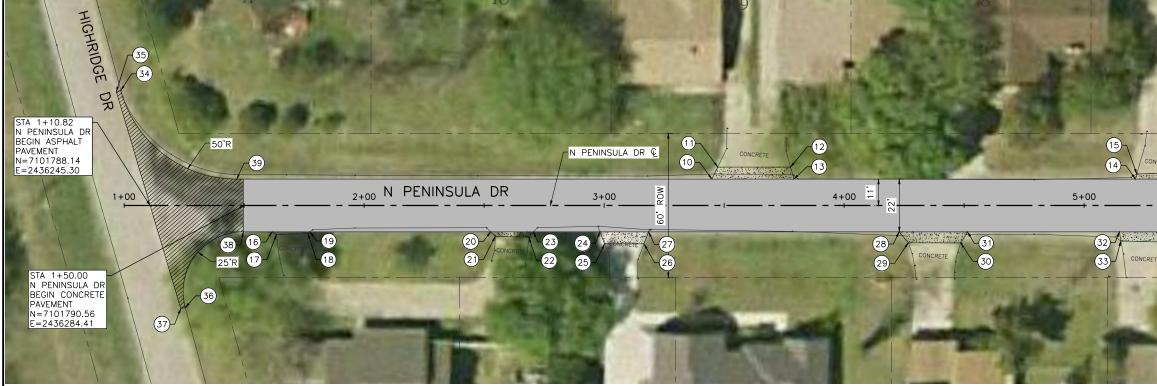
19 3.36, 20.04 LT R RCP C (3:1) 3.72 9.91			Freese and Nichols, Inc. Texas Registered Engineering Firm F-2144	NOT FOR CONSTRUCTION THIS DOCUMENT IS RELEASED FOR THE THERPOSE OF INTERM REVENUED TO THE	Referent of June R. Presentados P.L. Russ Net 11222 Con Diff: INJ23713 IE.S. Not To Ed. USEP Cons. Construction, BDDMC OF PENMI PURPOSE.
, s	**50	0 20'	40'		2711 North Haskell Ave. Suite 3300 Dollas. Texas 75204 Phone - (214) 217-2200 Fax - (214) 217-2201
SCALE: HORZ:1"=20" WET:1"=4"	575	SCALE IN FEET SCALE IN FEET CONCRETE ROADW PAVEMENT CONCRETE DRIVEWAY PAVEME ASPHALT PAVEMEI	A Y	TOWN OF LAKEWOOD VILLAGE ROADWAY IMPROVEMENTS	HILLSIDE DR PLAN AND PROFILE STA 10+00 TO STA 14+50
$\begin{array}{rcl} \text{ELEV} &=& 563.11\\ \text{FLEV} &=& 563.82\\ \text{NGE} &=& -6.07\%\\ \text{K} &=& 24.71\\ 150.00', \text{VC}\\ \hline & & & & & & \\ \hline & & & & & & \\ \hline & & & &$	570			DATE F&N JOB NO. LWV13442 DATE 09/05/13 DESIGNED DRP	PRAWN CHM REVRED CHM FILE NAME CHECKED CULTRT-PP-01HSIDE03.cd g
	560			BA	inch on original ri not one inch on C adjust scale.
	555				Bar is one drawing. If this sheet,
562.98	550_			IND ISSUE	VERIFY SCALE
14+50	545	65% SUBMITTA	L	SEQ.	



	PO	INT TABLE			PO	INT TABLE	
PNT	NORTHING	EASTING	DESCRIPTION	PNT	NORTHING	EASTING	DESCRIPT
10	7102060.07	2437521.38	PVMT PI	20	7102029.92	2437520.45	PVMT
11	7102063.37	2437525.82	PVMT PI	21	7102033.70	2437523.98	PVMT
12	7102056.78	2437538.07	PVMT PI	22	7101852.87	2437795.13	PVMT
13	7102051.31	2437537.68	PVMT PI	23	7101851.27	2437800.31	PVMT
14	7101992.14	2437647.76	PVMT PI	24	7101868.95	2437815.07	PVMT
15	7101995.59	2437651.91	PVMT PI	25	7101873.15	2437812.07	PVMT
16	7101990.21	2437661.91	PVMT PI	26	7101891.58	2437827.66	PVMT I
17	7101985.13	2437660.80	PVMT PI	27	7101889.96	2437832.87	PVMT
18	7102053.19	2437487.72	PVMT PI	28	7101905.94	2437847.13	PVMT
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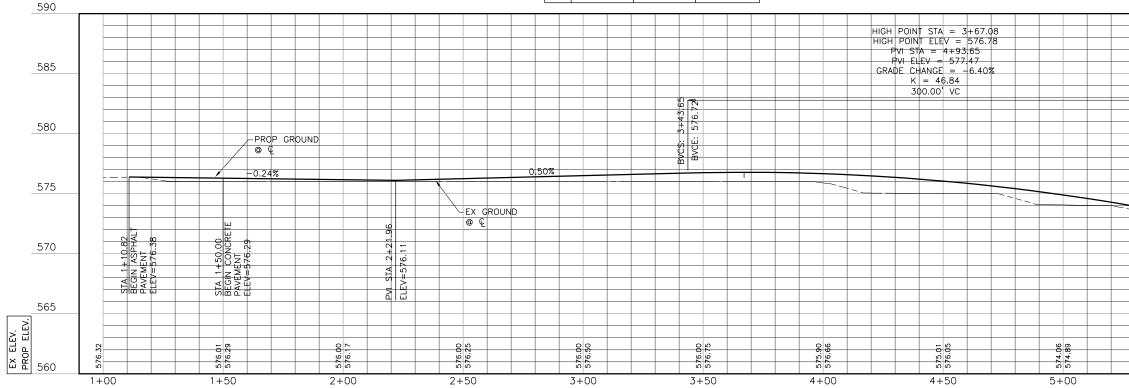


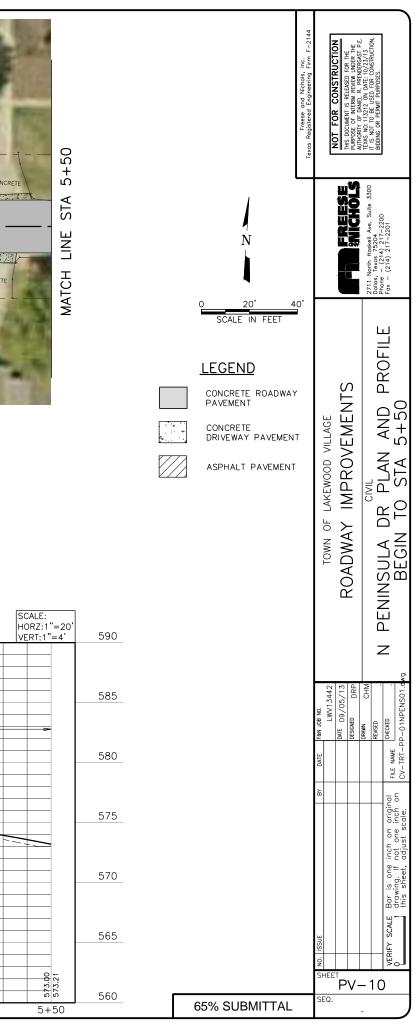


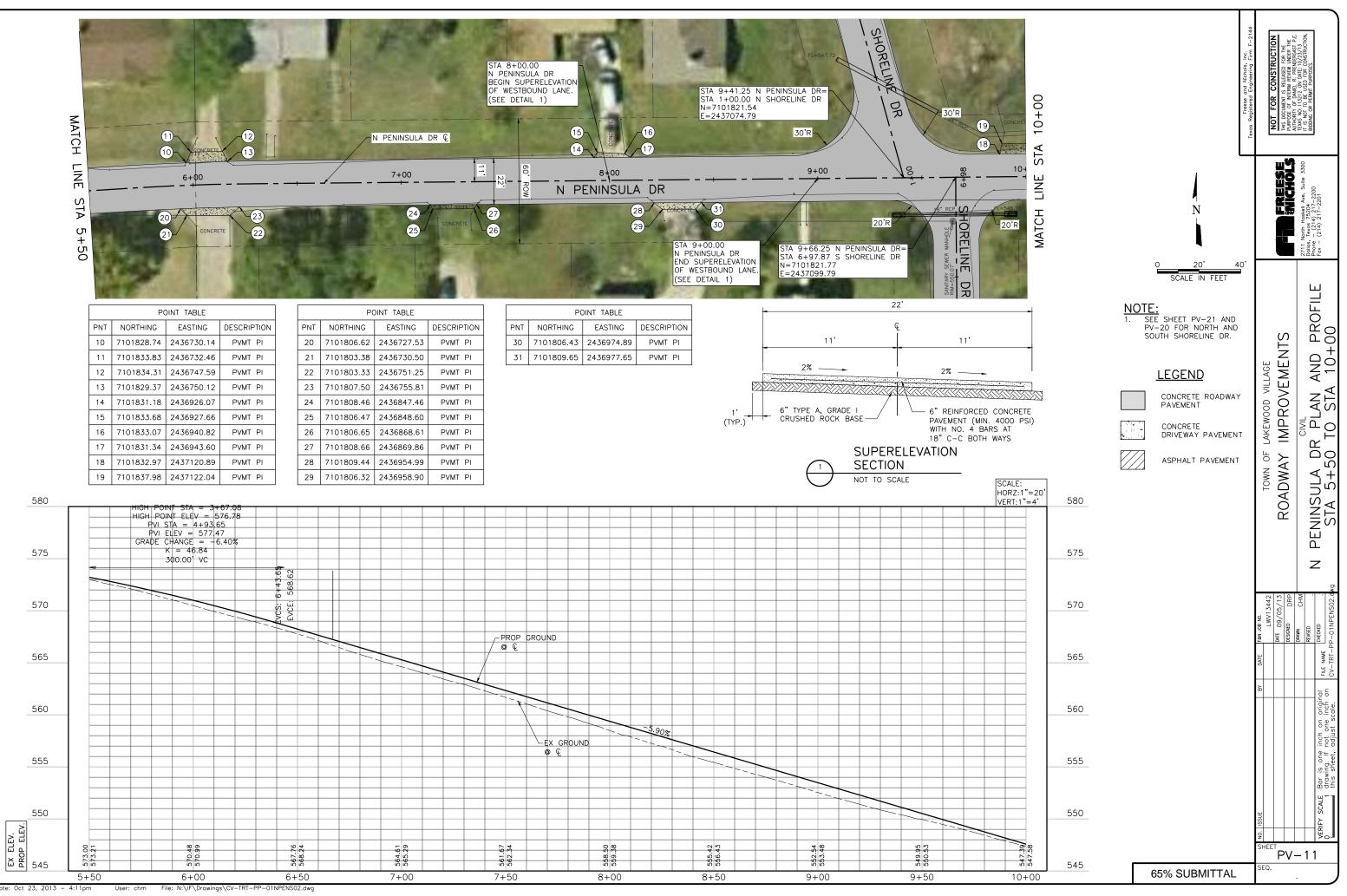
		PO	INT TABLE		
PN	Т	NORTHING	EASTING	DESCRIPTION	PNT
10	)	7101813.57	2436478.21	PVMT PI	20
11		7101818.71	2436480.34	PVMT PI	21
12	:	7101820.59	2436510.65	PVMT PI	22
13	;	7101815.68	2436512.34	PVMT PI	23
14		7101824.46	2436654.30	PVMT PI	24
15	)	7101826.67	2436654.79	PVMT PI	25
16	5	7101780.30	2436296.69	PVMT PI	26
17	,	7101779.30	2436298.62	PVMT PI	27
18	5	7101780.53	2436311.69	PVMT PI	28
19	)	7101781.27	2436312.44	PVMT PI	29

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
20	7101785.92	2436387.59	PVMT PI			
21	7101784.18	2436389.65	PVMT PI			
22	7101784.63	2436403.65	PVMT PI			
23	7101787.03	2436405.48	PVMT PI			
24	7101788.73	2436433.06	PVMT PI			
25	7101783.87	2436435.33	PVMT PI			
26	7101784.88	2436451.67	PVMT PI			
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28	7101796.43	2436557.44	PVMT PI			
29	7101792.13	2436561.53	PVMT PI			

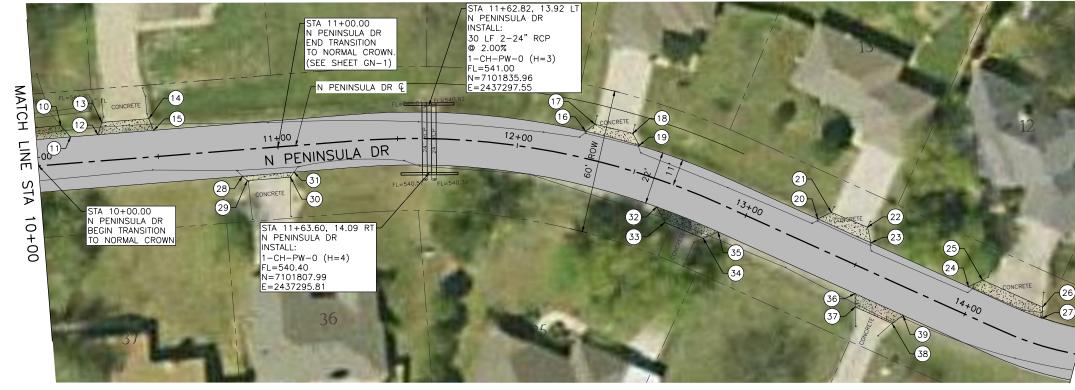
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31	7101798.19	2436585.92	PVMT PI		
32	7101802.10	2436649.01	PVMT PI		
33	7101798.40	2436649.92	PVMT PI		
34	7101835.26	2436230.20	50'R PC		
35	7101834.62	2436228.30	PVMT PI		
36	7101746.64	2436262.60	25'R PC		
37	7101746.08	2436260.68	PVMT PI		
38	7101779.56	2436284.76	25'R PT		
39	7101801.35	2436280.66	50'R PT		







Date: Oct 23, 2013 - 4:11pm

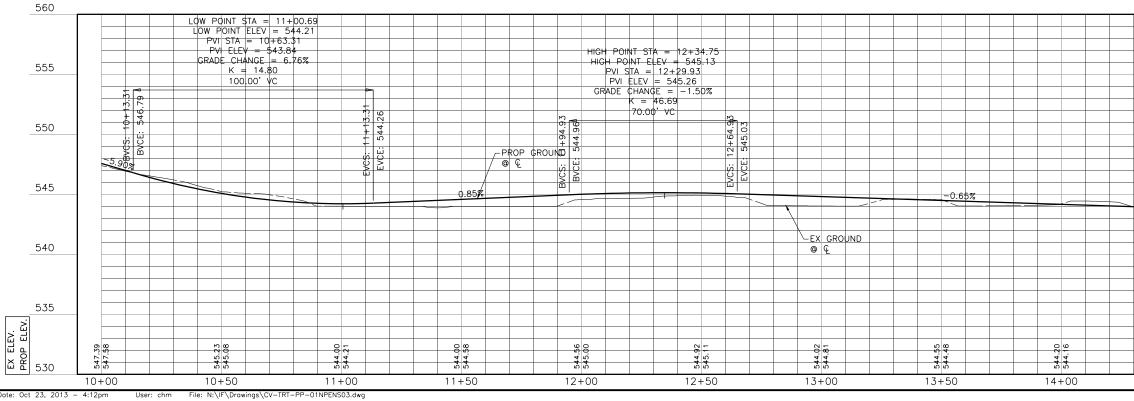


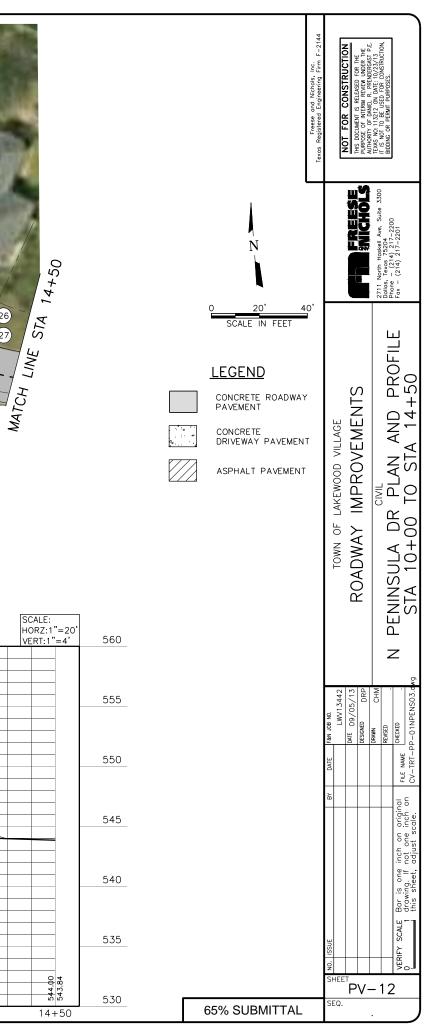
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10	7101838.18	2437143.96	PVMT PI
11	7101833.22	2437147.67	PVMT PI
12	7101833.32	2437159.12	PVMT PI
13	7101838.34	2437161.06	PVMT PI
14	7101838.52	2437180.72	PVMT PI
15	7101833.54	2437182.37	PVMT PI
16	7101820.60	2437361.85	PVMT PI
17	7101823.24	2437365.94	PVMT PI
18	7101818.32	2437381.44	PVMT PI
19	7101813.13	2437383.76	PVMT PI

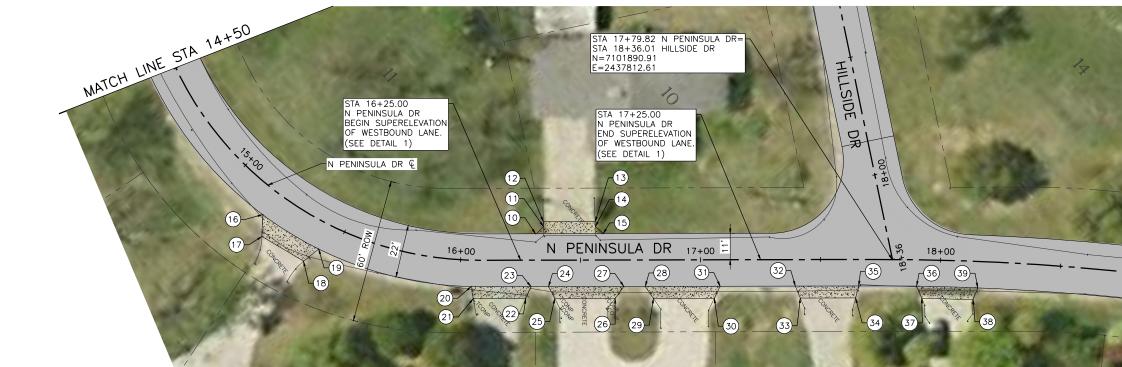
POINT TABLE						
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21	7101779.69	2437461.69	PVMT PI			
22	7101772.53	2437476.28	PVMT PI			
23	7101765.91	2437477.26	PVMT PI			
24	7101744.81	2437516.50	PVMT PI			
25	7101747.29	2437522.45	PVMT PI			
26	7101734.25	2437546.70	PVMT PI			
27	7101729.66	2437546.16	PVMT PI			
28	7101811.87	2437218.01	PVMT PI			
29	7101809.89	2437219.86	PVMT PI			

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
30	7101810.05	2437237.84	PVMT PI				
31	7101812.07	2437239.53	PVMT PI				
32	7101787.11	2437389.27	PVMT PI				
33	7101780.36	2437392.12	PVMT PI				
34	7101772.68	2437407.64	PVMT PI				
35	7101774.91	2437414.05	PVMT PI				
36	7101745.30	2437469.13	PVMT PI				
37	7101739.80	2437468.81	PVMT PI				
38	7101731.79	2437483.70	PVMT PI				
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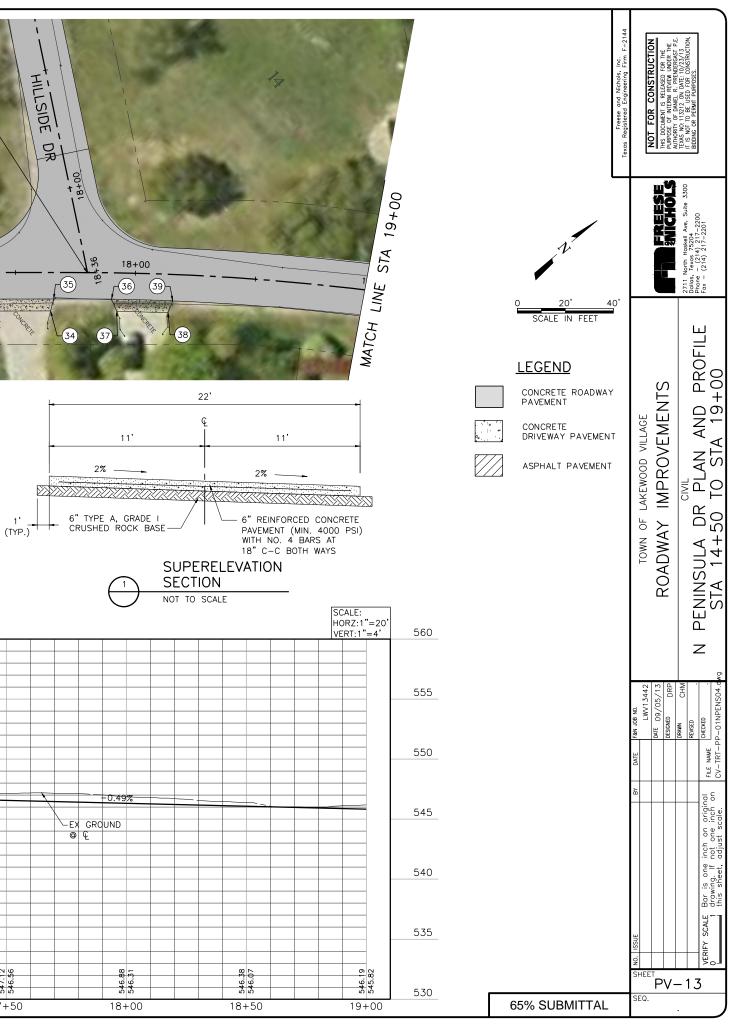


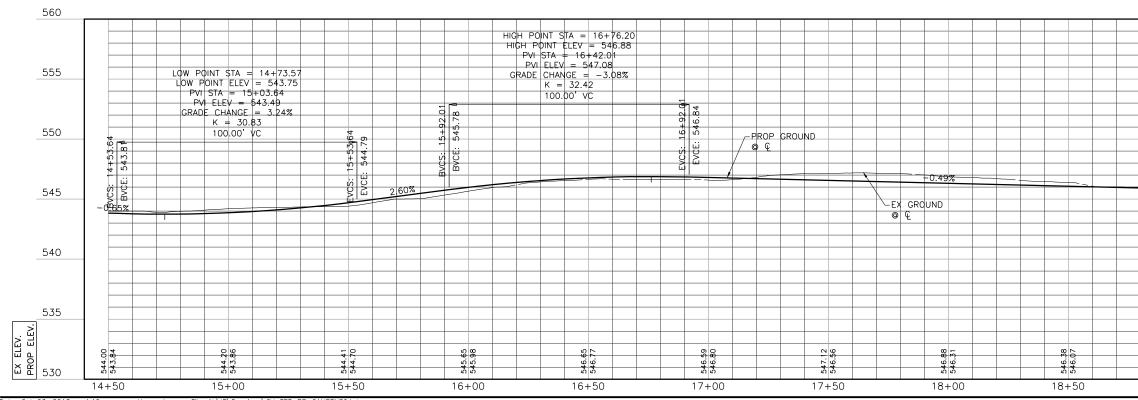


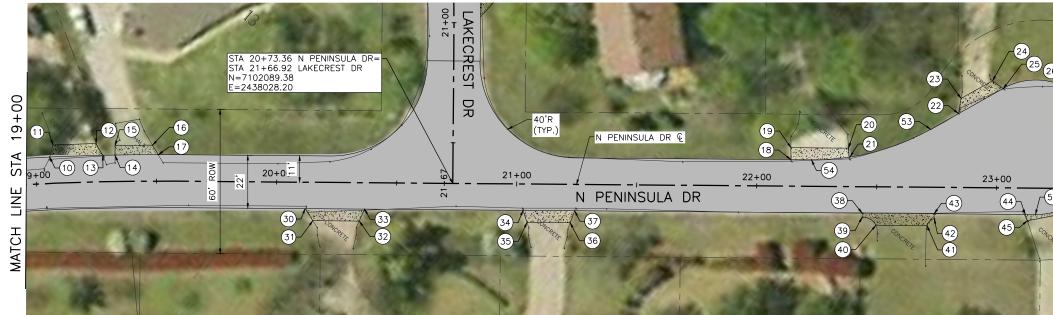
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12	7101789.68	2437707.15	PVMT PI			
13	7101806.25	2437721.00	PVMT PI			
14	7101805.04	2437722.59	PVMT PI			
15	7101805.63	2437727.00	PVMT PI			
16	7101702.01	2437629.71	PVMT PI			
17	7101695.94	2437636.46	PVMT PI			
18	7101702.57	2437655.51	PVMT PI			
19	7101710.67	2437655.69	PVMT PI			

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
20	7101749.25	2437708.50	PVMT PI				
21	7101746.71	2437712.95	PVMT PI				
22	7101763.48	2437726.96	PVMT PI				
23	7101768.38	2437724.54	PVMT PI				
24	7101773.99	2437729.23	PVMT PI				
25	7101772.76	2437734.72	PVMT PI				
26	7101792.05	2437750.83	PVMT PI				
27	7101798.06	2437749.34	PVMT PI				
28	7101804.92	2437755.07	PVMT PI				
29	7101804.31	2437761.08	PVMT PI				

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
30	7101823.78	2437777.34	PVMT PI				
31	7101828.86	2437775.07	PVMT PI				
32	7101852.87	2437795.13	PVMT PI				
33	7101851.27	2437800.31	PVMT PI				
34	7101868.95	2437815.07	PVMT PI				
35	7101873.15	2437812.07	PVMT PI				
36	7101891.58	2437827.66	PVMT PI				
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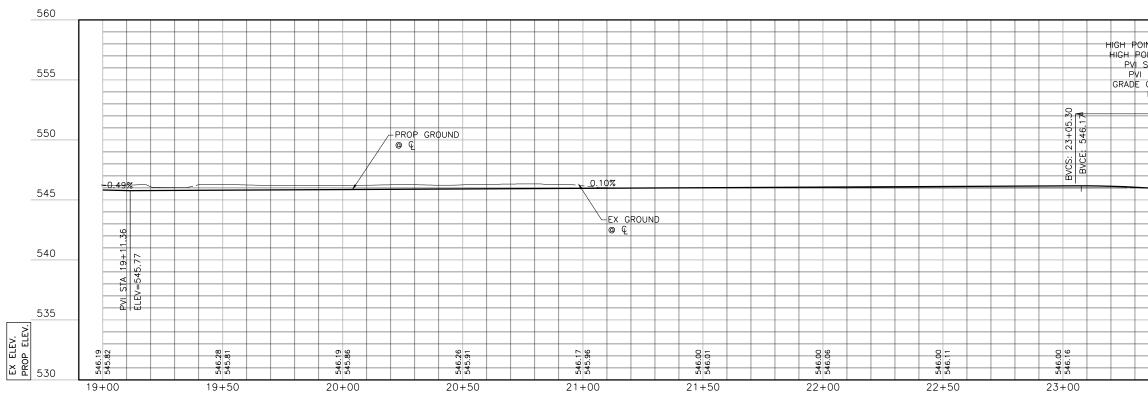
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PNT	NORTHING	EASTING	DESCRIPTION	PNT	NORTHING	EASTING	D
10	7101989.84	2437892.49	PVMT PI	20	7102206.62	2438145.08	
11	7101994.58	2437890.26	PVMT PI	21	7102204.14	2438147.91	
12	7102006.63	2437903.67	PVMT PI	22	7102247.08	2438170.93	
13	7102004.63	2437908.97	PVMT PI	23	7102252.61	2438167.68	
14	7102007.89	2437912.91	PVMT PI	24	7102266.69	2438173.01	
15	7102011.07	2437910.27	PVMT PI	25	7102267.07	2438178.50	
16	7102021.21	2437922.13	PVMT PI	26	7102284.43	2438198.57	
17	7102019.68	2437926.53	PVMT PI	27	7102293.41	2438200.67	
18	7102187.51	2438129.80	PVMT PI	28	7102293.08	2438211.04	
19	7102191.37	2438126.61	PVMT PI	29	7102283.91	2438212.72	

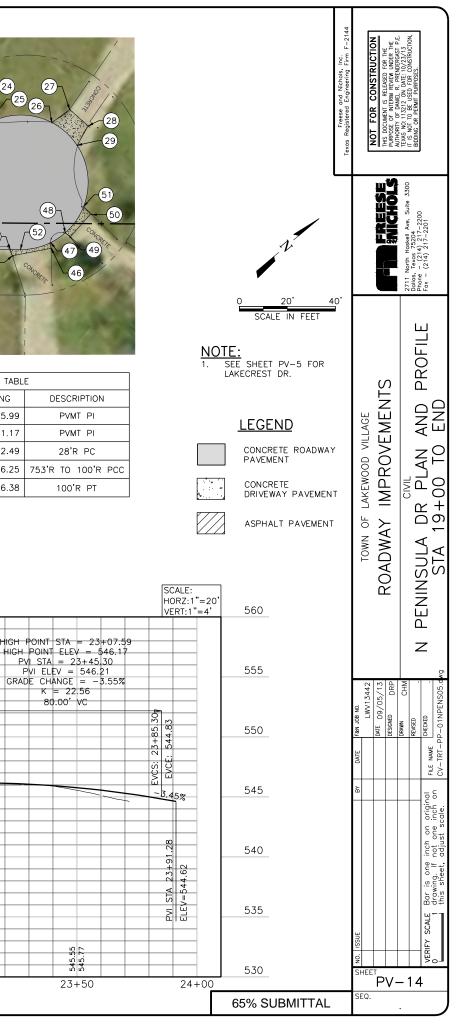
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21	7102204.14	2438147.91	PVMT PI		
22	7102247.08	2438170.93	PVMT PI		
23	7102252.61	2438167.68	PVMT PI		
24	7102266.69	2438173.01	PVMT PI		
25	7102267.07	2438178.50	28'R PT		
26	7102284.43	2438198.57	PVMT PI		
27	7102293.41	2438200.67	PVMT PI		
28	7102293.08	2438211.04	PVMT PI		
29	7102283.91	2438212.72	PVMT PI		

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
30	7102041.79	2437987.83	PVMT PI				
31	7102040.01	2437993.52	PVMT PI				
32	7102052.32	2438008.43	PVMT PI				
33	7102057.57	2438006.94	PVMT PI				
34	7102099.59	2438057.85	PVMT PI				
35	7102096.83	2438062.36	PVMT PI				
36	7102108.26	2438076.20	PVMT PI				
37	7102113.29	2438074.44	PVMT PI				
38	7102189.56	2438166.83	PVMT PI				
39	7102188.22	2438167.93	PVMT PI				

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTIO				
40	7102189.36	2438174.45	PVMT PI				
41	7102202.91	2438190.86	PVMT PI				
42	7102207.12	2438191.27	PVMT PI				
43	7102208.68	2438189.99	PVMT PI				
44	7102232.80	2438219.21	PVMT PI				
45	7102231.30	2438221.59	PVMT PI				
46	7102244.13	2438231.93	PVMT PI				
47	7102245.92	2438230.33	PVMT PI				
48	7102252.83	2438232.33	PVMT PI				
49	7102252.75	2438234.99	PVMT PI				

		POINT TABL	E
PNT	NORTHING	EASTING	
50	7102265.75	2438235.99	
51	7102266.12	2438231.17	
52	7102235.50	2438222.49	
53	7102234.69	2438166.25	75
54	7102192.95	2438136.38	
	50 51 52 53	50         7102265.75           51         7102266.12           52         7102235.50           53         7102234.69	PNT         NORTHING         EASTING           50         7102265.75         2438235.99           51         7102266.12         2438231.17           52         7102235.50         2438222.49           53         7102234.69         2438166.25



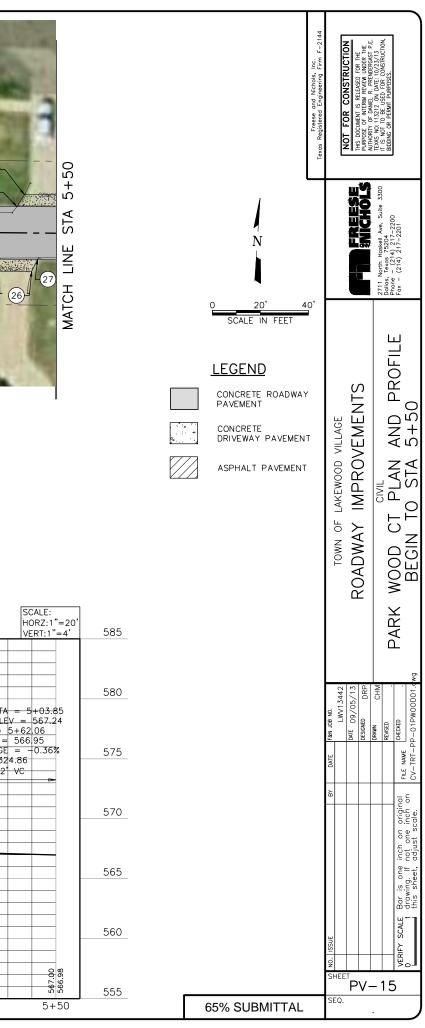


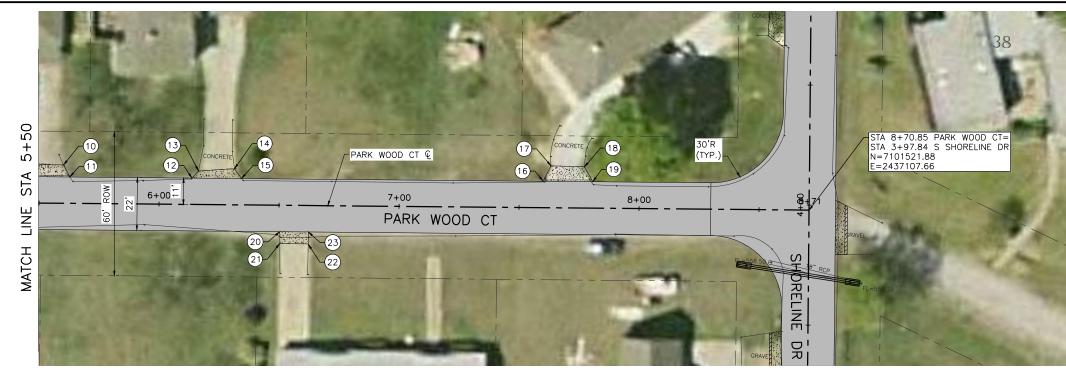


	POINT TABLE				PO	INT TABLE	
PNT	NORTHING	EASTING	DESCRIPTION	PNT	NORTHING	EASTING	DESCRIPTION
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11	7101505.85	2436452.87	PVMT PI	21	7101513.05	2436646.82	PVMT PI
12	7101506.67	2436473.31	PVMT PI	22	7101518.38	2436770.17	PVMT PI
13	7101505.58	2436473.76	PVMT PI	23	7101523.51	2436773.03	PVMT PI
14	7101509.37	2436561.59	PVMT PI	24	7101495.91	2436759.72	PVMT PI
15	7101514.50	2436564.34	PVMT PI	25	7101491.05	2436762.96	PVMT PI
16	7101515.11	2436578.58	PVMT PI	26	7101491.69	2436777.79	PVMT PI
17	7101510.28	2436582.58	PVMT PI	27	7101496.79	2436779.97	PVMT PI
18	7101512.13	2436625.35	PVMT PI	28	7101534.07	2436336.85	50'R PC
19	7101517.22	2436627.29	PVMT PI	29	7101533.37	2436334.98	PVMT PI

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
30	7101440.68	2436368.07	30'R PC			
31	7101440.05	2436366.17	PVMT PI			
32	7101480.11	2436393.90	30'R PT			
33	7101501.78	2436385.79	50'R PT			

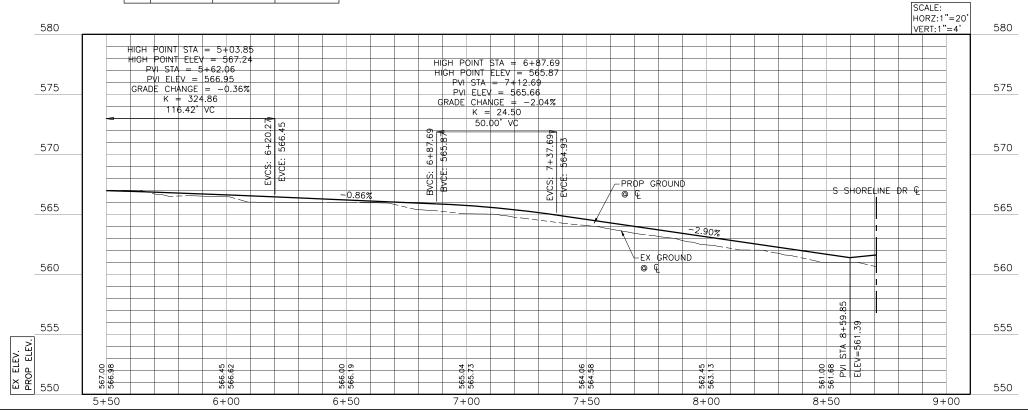
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				LOV	V POINT STA = 3+72.33 V POINT ELEV = 567.90 PVI STA = 2+97.33 PVI ELEV = 568.27 RADE CHANGE = 0.88% K = 170.45				
				LOV	V POINT ELEV = 567.90				
580					PVI ELEV = 568.27				
				G	RADE CHANGE = 0.88%				HIGH POINT STA = HIGH POINT ELEV = PVI STA = 5+4 PVI ELEV = 56 GRADE CHANGE = K = 324.8
					K = 170.45 150.00 VC				HIGH POINT ELEV =
					150.00 VC				PVI STA = 5+6
575									GRADE CHANGE =
			569.31			3+72.33			K = 324.8
			2 5						116.42 <sup>1</sup> VC
				PROP C					26400 26400 26400
			BVCE:			U III III III III III III III III III I			
570		-1.38%				EVCE:			
									i i i i i i i i i i i i i i i i i i i
								-0.50%	BVCS:
								-0.50%	
		μ							
565	STA         + 12.23           BEGIN         ASPHALT           PAXEMENT         PAXEMENT           ELEV=570.83         ELEV	STA 1+55.96 BEGIN CONCRETE PAVEMENT ELEV=570.23			EX GROUND				
					@ Q				
560	<u></u>								
. <u>2</u>									
a =									
H H	1.03		0.00	0.0	9.41	8.02	2002	7.00	7.260
EX ELEV. PROP ELEV. 222	22.	2270.1	2869.62 569.62 569.62	2000 2000 2000 2000 2000	567.08 568.41	264.00 264.00 266.00	567.00	2667.00 567.00	2200 2200 2200
	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00





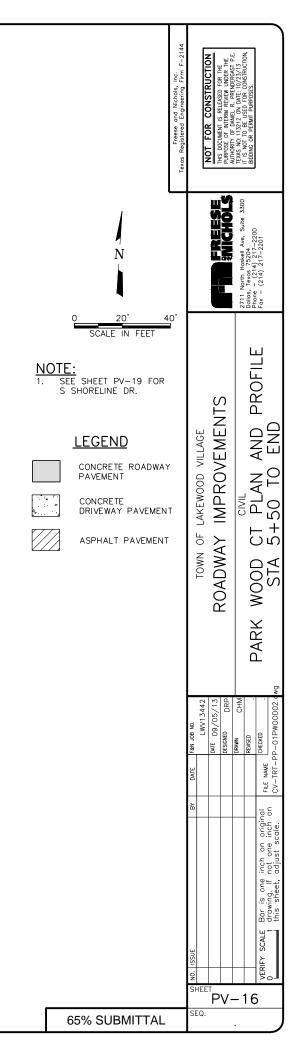
r							
	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
10	7101524.52	2436796.48	PVMT PI				
11	7101519.64	2436799.31	PVMT PI				
12	7101521.84	2436850.14	PVMT PI				
13	7101524.94	2436852.75	PVMT PI				
14	7101526.67	2436867.68	PVMT PI				
15	7101522.73	2436870.81	PVMT PI				
16	7101528.16	2436996.39	PVMT PI				
17	7101534.78	2436999.29	PVMT PI				
18	7101535.05	2437013.23	PVMT PI				
19	7101529.05	2437017.06	PVMT PI				

	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
20	7101501.45	2436887.88	PVMT PI				
21	7101496.45	2436888.10	PVMT PI				
22	7101496.81	2436899.99	PVMT PI				
23	7101501.96	2436899.77	PVMT PI				



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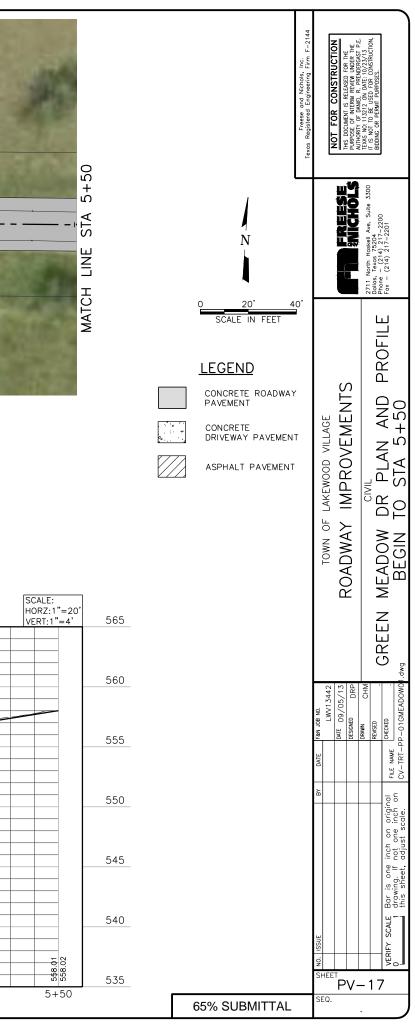


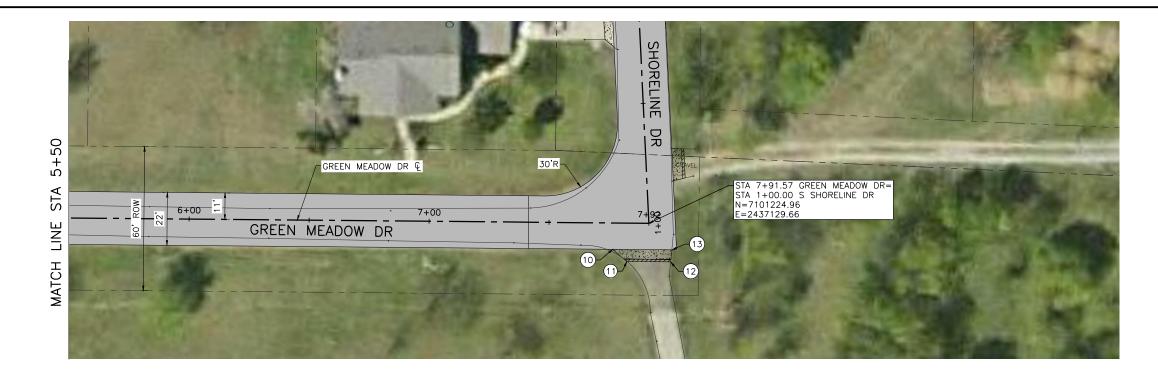




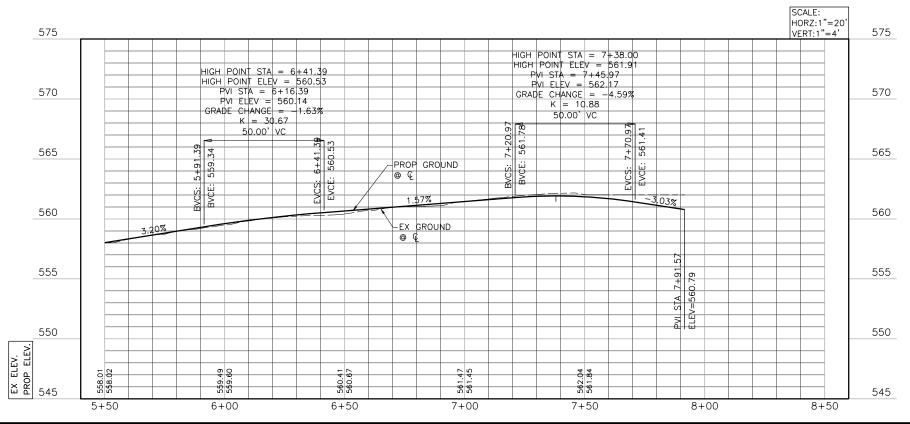
POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
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11	7101227.01	2436436.28	30'R PT			
12	7101160.98	2436459.59	20'R PC			
13	7101160.49	2436457.65	20'R PT			
14	7101185.80	2436478.13	30'R PT			
15	7101207.38	2436467.86	30'R PT			

565					HIGH POINT	STA = 4+64.31 ELEV = 555.28 = 4+39.31	
	HIGH POINT ST. HIGH POINT EL	EV = 552.02			PVI ÉLE GRADE CHA K = 50.	V = 554.48 NGE = -0.36% 137.70 00' VC	
560	PVI         ELEV         =           GRADE         CHANGI         K         =           K         =         1         50.00'           K         =         1         50.00'           K         =         1         50.00'	E         =         -4.11%           2.17	LOW POINT STA = 2+79. LOW POINT ELEV = 549.9 PVI \$TA = 2+79.87 PVI ELEV = 548.81 GRADE CHANGE = 6.979 K = 11.49	50	EE: 223	EVCS: 4+64.54 EVCE: 555.28	3,20%
555		EVCS: 2+06.	BRCCS: 2 + 30.08 BRCCS: 2 + 30.83 BRCCS: 2 + 3		CROUND		
550		-3.41%			EX GROUND		
545	STA         1 + 07.70           BEGN ASPHALT         PAVEMENT           PAVEMENT         55.16           STA         1 + 38.96           STA         1 + 38.96           BEGN CONCRET         PAVEMENT           PAVEMENT         55.1.87						
540							
535	55 551.64	ນ 20 20 11 11 11 11 11	549.03 549.03 549.03 549.03	201 201 201 201 201 201 201 201 201 201	222308	2020 2020 2020 2020 2020 2020 2020 202	556.57 556.42
<b></b>	1+00 1+50	2+00	2+50 3+0	3+50	4+00	4+50	5+00

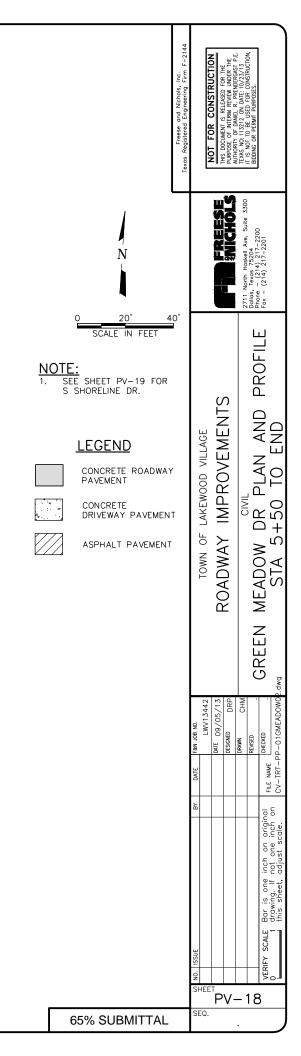


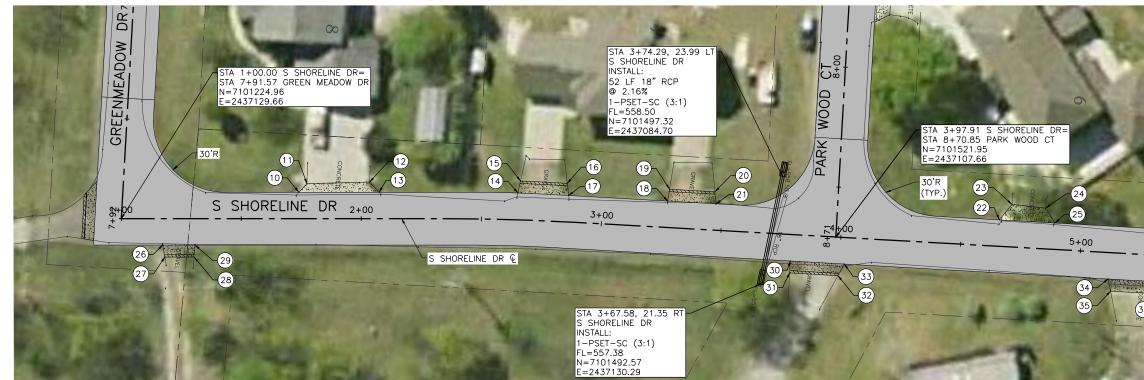


	PO		
PNT	NORTHING	EASTING	DESCRIPTION
10	7101213.32	2437115.20	PVMT PI
11	7101208.58	2437121.34	PVMT PI
12	7101209.37	2437139.54	PVMT PI
13	7101214.39	2437139.89	PVMT PI



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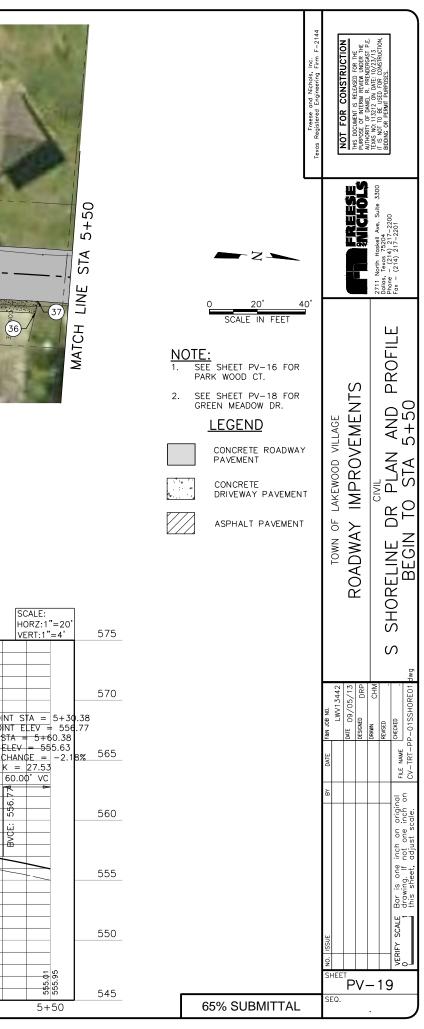


POINT TABLE							
PNT	NORTHING	EASTING	DESCRIPTION				
10	7101297.49	2437111.35	PVMT PI				
11	7101300.43	2437107.44	PVMT PI				
12	7101326.38	2437104.19	PVMT PI				
13	7101330.75	2437108.02	PVMT PI				
14	7101388.31	2437102.55	PVMT PI				
15	7101388.91	2437097.50	PVMT PI				
16	7101408.38	2437096.55	PVMT PI				
17	7101409.45	2437101.51	PVMT PI				
18	7101450.74	2437099.72	PVMT PI				
19	7101451.04	2437094.70	PVMT PI				

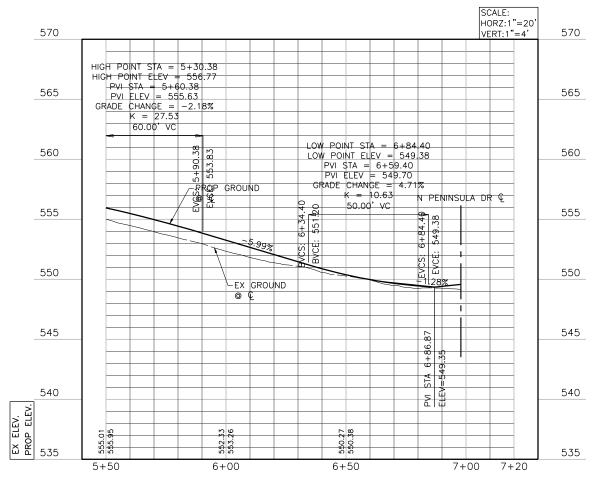
POINT TABLE						
NORTHING	EASTING	DESCRIPTION				
7101469.95	2437093.89	PVMT PI				
7101470.94	2437098.85	PVMT PI				
7101589.04	2437093.75	PVMT PI				
7101593.62	2437086.80	PVMT PI				
7101607.69	2437086.96	PVMT PI				
7101612.33	2437092.74	PVMT PI				
7101243.17	2437138.89	PVMT PI				
7101244.58	2437143.77	PVMT PI				
7101256.74	2437142.56	PVMT PI				
7101256.61	2437137.55	PVMT PI				
	NORTHING 7101469.95 7101470.94 7101589.04 7101593.62 7101607.69 7101612.33 7101243.17 7101244.58 7101256.74	NORTHING         EASTING           7101469.95         2437093.89           7101470.94         2437098.85           7101589.04         2437093.75           7101593.62         2437086.80           7101607.69         2437086.96           7101612.33         2437092.74           7101243.17         2437138.89           7101244.58         2437142.56				

POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
30	7101504.06	2437119.44	PVMT PI			
31	7101504.27	2437124.43	PVMT PI			
32	7101524.41	2437123.56	PVMT PI			
33	7101526.56	2437118.47	PVMT PI			
34	7101636.59	2437113.71	PVMT PI			
35	7101638.09	2437118.65	PVMT PI			
36	7101660.84	2437117.67	PVMT PI			
37	7101661.49	2437112.64	PVMT PI			

575									ł
570		GRAI	POINT STA = 2+06.9 POINT ELEV = 563.7C VI STA = 1+96.64 VI ELEV = 563.84 VI ELEV = 563.84 VE CHANGE = -2.73% K = 18.28 50.00' VC				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		HIGH POINT
565		1.93%			-0.81%	BVCS: 3+34.51 BVCE: 562.75		EVCS: 4+34.51 9 EVCE: 560.42	HIGH POINT HIGH POINT PVI STA PVI ELE GRADE CHAI K = 60.000 R
560						EX GROUND			= X = 0.00 = 229 + 104/10 .00 = 229 + 109/20 = 229 + 109/20 = 229/20 = 229/20 = 229/20 = 20/20 = 20/20
555	PVI STA 1+01.30 ELEV=562.00								
550 EX ELEV. BKOP ELEV. 545	262.00	562.31 562.31	562.74 563.68 563.68	562.45 562.45	562.24 563.24 563.01	561.17 562.557	560.57 561.55	222 2228 233 233 233 240 240 252 240 252 240 252 252 252 252 252 252 252 252 252 25	2566.86 2566.86 257.92
	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00



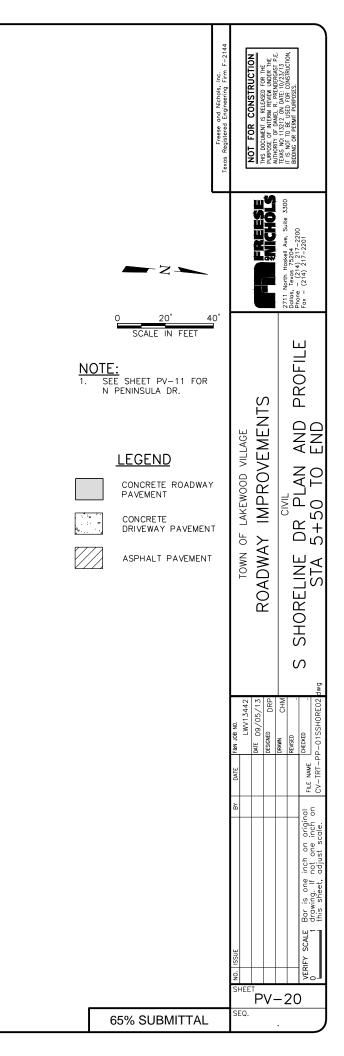


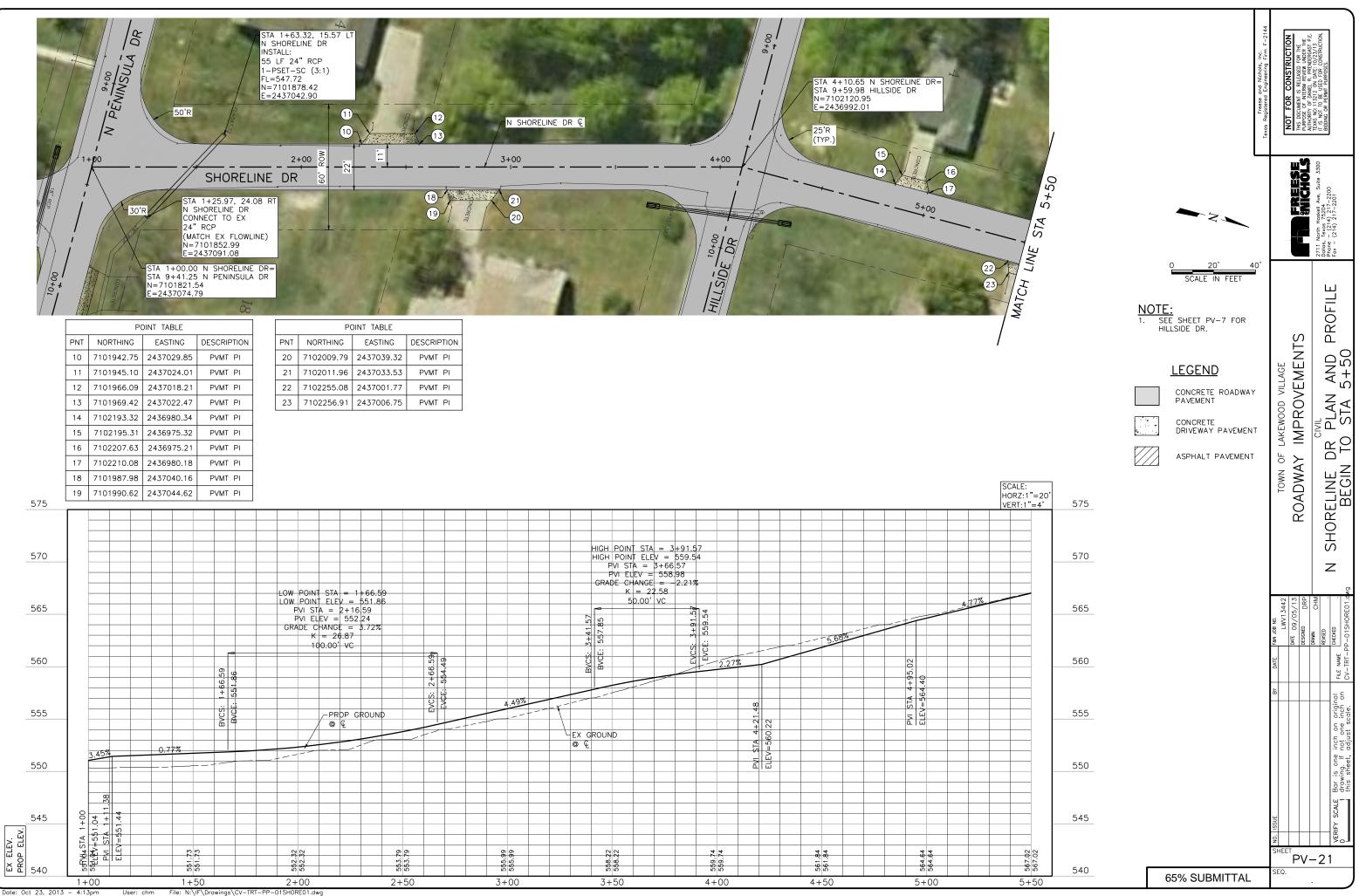


POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION			
10	7101703.25	2437089.89	PVMT PI			
11	7101705.20	2437084.87	PVMT PI			
12	7101724.56	2437084.69	PVMT PI			
13	7101726.27	2437089.68	PVMT PI			
14	7101685.38	2437112.06	PVMT PI			
15	7101685.10	2437117.06	PVMT PI			
16	7101703.37	2437116.89	PVMT PI			
17	7101704.15	2437111.89	PVMT PI			

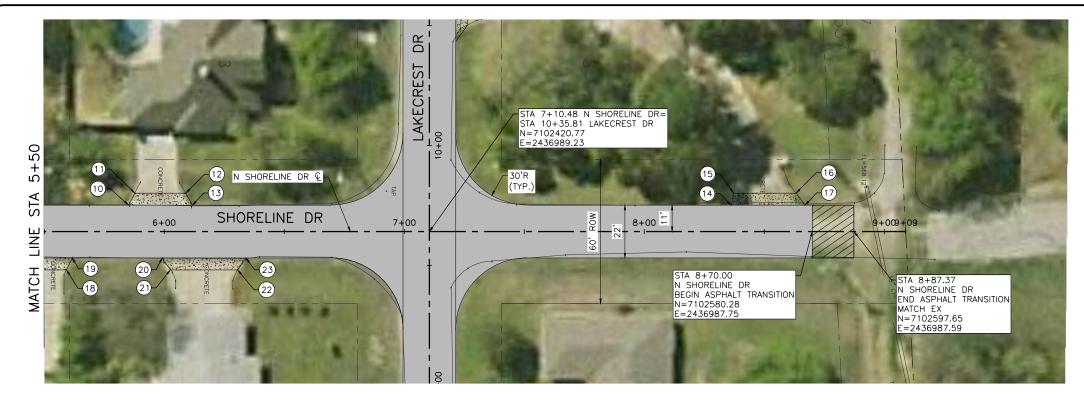
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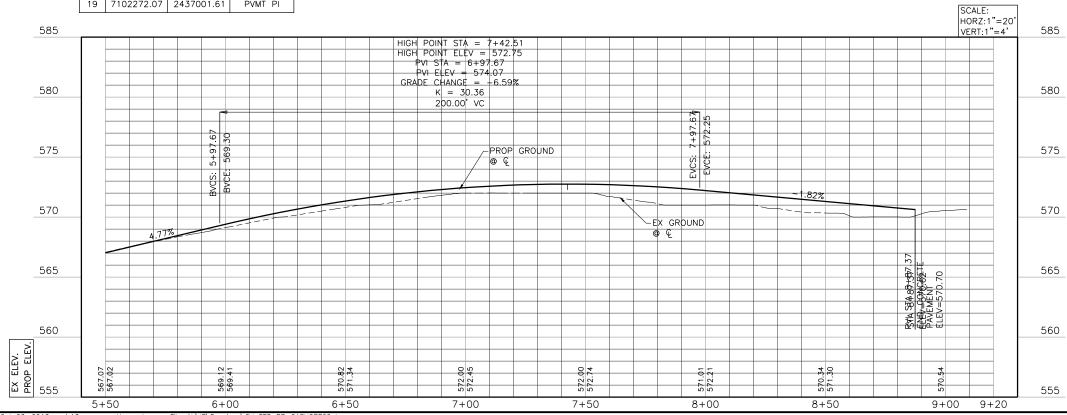


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	POINT TABLE						
PNT	NORTHING	EASTING	DESCRIPTION				
10	7102295.36	2436979.39	PVMT PI				
11	7102297.87	2436974.37	PVMT PI				
12	7102319.11	2436974.17	PVMT PI				
13	7102321.99	2436979.14	PVMT PI				
14	7102546.36	2436977.06	PVMT PI				
15	7102547.32	2436972.05	PVMT PI				
16	7102573.38	2436971.81	PVMT PI				
17	7102577.17	2436976.78	PVMT PI				
18	7102269.71	2437006.63	PVMT PI				
19	7102272.07	2437001.61	PVMT PI				

POINT TABLE			
PNT	NORTHING	EASTING	DESCRIPTION
20	7102309.52	2437001.26	PVMT PI
21	7102312.99	2437006.23	PVMT PI
22	7102341.07	2437005.97	PVMT PI
23	7102344.39	2437000.94	PVMT PI



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