Town of New Castle Project Acceptance **Project: 1**082 Developer: E O N T R E V E G E O T Е Contractor:\_\_\_\_\_ L FINAL ACCEPTANCE Materials Tester: E **COMMENTS** DATE **EXCAVATION AND EMBANKMENT SECT 2110** INITIAL UPON SATISFACTORY COMPLETION **SUBMITTALS** None Required MATERIALS TESTING Documentation from Geotech Moisture-Density Curve 1 test per different soil type 1 test per 2000 cy or fraction thereof In-Place Density VISUAL INSPECTION Documented on Daily Report/Diary Surface Restoration: -Existing surface improvements and site conditions disturbed during construction are restored to preconstruction condition or better. Finish Grading: -Tolerances met, grading in reasonable conformance with plans & specs. -Excess & unsuitable materials satisfactorily disposed. **EXCAVATION AND BACKFILL FOR STRUCTURES SECT 2120** SUBMITTALS None Required MATERIALS TESTING Documentation from Geotech 1 test per 200 cy or fraction thereof Gradation Moisture-Density Curve 1 test per source(minimum) In-Place Density 1 per 200 cy, (minimum) 1 per structure VISUAL INSPECTION Documented on Daily Report/Diary Restoration of existing improvements -Existing structures or portion of structures to remain and existing surface improvements and site conditions are restored to preconstruction condition of better. -Adjacent property satisfactorily protected or restored to preconstruction condition or better. **SECT 2130** TRENCHING, BACKFILLING, AND COMPACTION SUBMITTALS None Required MATERIALS TESTING Documentation from Geotech Gradation Submit report on bedding & select fill Moisture-Density Curve 1 test per different soil type 1 test per 250 If per lift or fraction thereof In-Place Density VISUAL INSPECTION Documented on Daily Report/Diary All trenches backfilled, excess materials disposed of, & final grading complete.

<sup>\* -</sup> Town will not post an acceptance date w/o Geotech signature and receipt of all testing reports that indicate full compliance with specification.

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SECT 2140 EMBEDMENT AND BAS	E COURSE AGGREGATE	INITIA	L UPO	N SAT	ISFAC	TORY	СОМР	LETION	
SUBMITTALS									
None Required									
MATERIALS TESTING	Documentation from Geotech								
Gradation	1 test per 2000 tons for each class					*	*		
Atterberg Limits	1 test per 1000 tons or fraction thereof					*	*		
Moisture-Density Curve	1 test per source					*	*		
In-Place Density	1 test per lift, or fraction thereof, as follows:					*	*		
	Foundations-100 If or less of trench								
	Slabs on grade-2000 sf or less								
	Pavements & walks-2000 sf or less								
	Utility trenches-250 If or less								
	All other areas-5000 sf or less								
SURFACE TOLERANCE	Documented on Daily Report/Diary								
1/4 inch per 10 foot straightedge									
VISUAL INSPECTION	Documented on Daily Report/Diary								
	e to grade; crown as shown on plans.								
Segregation (rock pockets) re-integ									
SECT 2200 CULVERT DRAINAGE P	PE also see sect. 2120,2130,2140								
SUBMITTALS									
Provide certificates of compliance f	rom manufacturer for all materials used.								
MATERIALS TESTING	Documentation from Geotech								
Gradation	1 test per 2000 tons for each class					*	*		
Atterberg Limits	1 test per 1000 tons or fraction thereof					*	*		
Moisture-Density Curve	1 test per source/type					*	*		
In-Place Density	1 test per lift per 250 lf or fraction thereof					*	*		
VISUAL INSPECTION	Documented on Daily Report/Diary								
	sections) all defects corrected satisfactorily.								
Observe methods of construction.	Were they satisfactory?								
-Inside of pipe clean.									
-Inlets are free of obstructions									
	s and finish grade of ditch does not								
	any way (includes riprap where placed).								
	e secure and properly constructed.								
-Joints satisfactorily made; def	lection, if any, meets specifications.								

<sup>\* -</sup> Town will not post an acceptance date w/o Geotech signature and receipt of all testing reports that indicate full compliance with specification.

CECT 2240 BIDDAD	D E V E L O P E R	CONTRACTOR	DEV. ENGR.	G E O T E C H	+0\$Z -Z@LU+0Z	+0\$Z #Z@Z· & 4D\$-Z.	FINAL ACCEPTANCE DATE	COMMENTS
SECT 2210 RIPRAP	INITIA	L UPO	N SAT	ISFAC	TORY	СОМР	LETION	
SUBMITTALS								
Provide certificates of compliance for geotextile when fabric is required.								
VISUAL INSPECTION Documented on Daily Report/Diary								
Stone is of correct size, shape, durability.								
Placement of stone is satisfactory.								
-Placement covers full area intended.								
-In drainage areas, finish grade will allow positive flow in direction intended.								
There are no constrictions/reductions in flows.								
-Stone is placed evenly with minimal voids or grouping of large rock.								
SECT 2300 WATER TRANSMISSION AND DISTRIBUTION LINES	also	see s	ect. 2	2120,	<u>2130,</u>	2140		
SUBMITTALS								
Certificates of Compliance are provided for all materials (pipe, valves, bends,								
water services, etc.).								
MATERIALS TESTING Documentation from Geotech								
Gradation 1 test per 2000 tons for each class					*	*		
Atterberg Limits 1 test per 1000 tons or fraction thereof					*	*		
Moisture-Density Curve 1 test per source/type					*	*		
In-Place Density 1 test per lift per 250 lf or fraction thereof					*	*		
PERFORMANCE TESTING Documented on appropriate test form								
Successful hydrostatic tests Per Public Works Manual Subsection 4.03								
Successful disinfection								
-Chlorine application (initial & successive if needed).								
-Flushing, final flushing, & chlorine residual.								
-Bacteriological tests.								
VISUAL INSPECTION Documented on Daily Report/Diary								
Pipe & appurtenance materials-free from deflects or defects were repaired.								
Construction methods satisfactory (bedding, pipe laying, cover, backfill, bury).								
All corporation stops are open.								
Tracer wire was installed and continuity tests successful.								
Final placement/grade of all items terminated above ground is satisfactory								
(includes curb stops, fire hydrants, valve boxes, etc.).								
Restoration of ex. improvements; all surface, structures, or adjacent property								
imp. are restored to equal or better than preconstruction conditions.								

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SECT 2400 SANITARY SEWER LINES also see sect. 2120,2130,2140  SUBMITTALS  Certificates of Compliance are provided for all materials (pipe, manholes, etc)  MATERIALS TESTING  Certificates of Compliance are provided for all materials (pipe, manholes, etc)  MATERIALS. TESTING  Gradation  1 test per 2000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for each class  Afterberg Limits  1 test per 1000 tons for faction thereof  Acconstruction methods were satisfactory (bedding, pipe laying, cover, backfill),  Pipe elevations to line & grade as shown on plans.  Manhole const. Steps-all installed & aligned; dimension tolerances per  PW Manual DWG SW-10; Frame all adjusted to final grade.  Services-all are installed, ends are marked, measurements provided from manhole to each service wye.  SECT 2500 HOT BITUMINOUS PAVING  SUBMITTALS  Approved mix design.  Certificates of Compliance are provided for asphalt, prime coat, & tack coat.  AFERIALS TESTING  Documentation from Geotech  AC Content 1 test per 500 tons or fraction thereof  Fractured faces 1 test per 1000 tons or fraction thereof  Fractured faces 1 test per 1000 tons or fraction thereof  Fr										
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AC Content 1 test per 500 tons or fraction thereof	Certificates of Compliance are provided for asphalt, pri	me coat, & tack coat.								
Gradation 1 test per 1000 tons or fraction thereof Fractured faces 1 test per source	MATERIALS TESTING Documentation from G	eotech								
Fractured faces 1 test per source	AC Content 1 test per 500 ton:	s or fraction thereof					*	*		
In-Place Density Min. 3 tests or 1 per every 2000sf per lift.  Maximum specific gravity. 1 test per placement day	Gradation 1 test per 1000 to	ns or fraction thereof					*	*		
Maximum specific gravity. 1 test per placement day  Cores taken and test information submitted as required.  VISUAL INSPECTION  Documented on Daily Report/Diary  Final grades are in reasonable conformance with plans & specs; HBP @  gutters equal 1/4" to 1/2" above; Ridability/surface tolerances are met.	Fractured faces 1 test per source						*	*		
Cores taken and test information submitted as required.  VISUAL INSPECTION  Documented on Daily Report/Diary  Final grades are in reasonable conformance with plans & specs; HBP @  gutters equal 1/4" to 1/2" above; Ridability/surface tolerances are met.	In-Place Density Min. 3 tests or 1 p	er every 2000sf per lift.					*	*		
VISUAL INSPECTION  Documented on Daily Report/Diary  Final grades are in reasonable conformance with plans & specs; HBP @  gutters equal 1/4" to 1/2" above; Ridability/surface tolerances are met.	Maximum specific gravity. 1 test per placeme	ent day					*	*		
Final grades are in reasonable conformance with plans & specs; HBP @ gutters equal 1/4" to 1/2" above; Ridability/surface tolerances are met.	Cores taken and test information submitted as required	l								
gutters equal 1/4" to 1/2" above; Ridability/surface tolerances are met.										
	Final grades are in reasonable conformance with plans	& specs; HBP @								
Utility appurtenances (MH, WV) are adjusted to specification	gutters equal 1/4" to 1/2" above; Ridability/surface	tolerances are met.								
	Utility appurtenances (MH, WV) are adjusted to specific									
Segregation is minimal or repaired; No excessive or wide cracks exist.	Segregation is minimal or repaired; No excessive or wi	de cracks exist.								

<sup>\* -</sup> Town will not post an acceptance date w/o Geotech signature and receipt of all testing reports that indicate full compliance with specification.

	DEVELOP	CONTRAC	DEV. EN		:0⊣೧ଲ⊽७Z- Z{0⊣	+0}z шz©z· ಭ く	FINAL	
	E R	T O R	G R	ECH	70+U	<b>∢∆∑-Z</b> ∙	ACCEPTANCE DATE	COMMENTS
SECT 2520 CONC. CURB & GUTTER, SIDEWALK, CURBWALK, & DRIVEWAY	INITIA	L UPO	N SAT	ISFAC	TORY	COMP	LETION	
SUBMITTALS								
Approved mix design.								
MATERIALS TESTING Documentation from Geotech								
Frequency (for each strength of concrete used)								
Air Content 1 test per placement day(minimum)					*	*		
Slump 1 test per cylinder set(minimum)					*	*		
Compressive Strength 1 set per day or 1 set per 100 cy					*	*		
VISUAL INSPECTION Documented on Daily Report/Diary								
Final grade in reasonable conformance to plans, specs, and adjacent features.								
Surface finish is satisfactory & in accordance with subsection 3.04.								
No excessive roughness, honeycombing, or rock pockets.								
Expansion & construction joints are at intervals per specifications.								
Excessive or open cracks, spalling, or pop offs do not exist or have been								
satisfactorily repaired/replaced.								
Sidewalk ramps are installed and meet the requirements/dimensions of								
drawings DR-150 or DR-160 of the Public Works Manual.								
SECT 2610 METAL GUARDRAIL								
SUBMITTALS								
Provided certificates of compliance on all materials used.								
Provided welder certifications as appropriate.								
VISUAL INSPECTION Documented on Daily Report/Diary								
Rail was installed at locations shown of plans and provides intended protection.								
Rail installation does not create additional safety concerns								
Installation is in reasonable conformance with details given.								
SECT 2710 FINISHED GRADING AND RESTORATION								
VISUAL INSPECTION Documented on Daily Report/Diary								
General cleanup is satisfactory								
Existing improvements to remain including concrete flatwork & structures;								
walls; drainage and irrigation ditches; trees; shrubs; landscaping;								
pavement; signs; adjacent private property;etc. were satisfactorily								
protected or have been restored to equal or better than preconstruction								
condition.								

	X A 4 O T A < A O	0 0 7 7 7 7 0 0 8	DEV. EZGR.	попнопо	70⊣೧៣⊤02- 2≶0⊣	.Z-35> % .Z02m Z{0+	FINAL ACCEPTANCE DATE	COMMENTS
SECT 2720 SEEDING, SODDING, AND TOPSOIL	INITIA	L UPO	N SAT	ISFAC	TORY	СОМР	LETION	
SUBMITTALS								
-Certifications-seed mixture stating botanical & common name, percentage by weight, and percentage of purity, germination, and weed seed of each								
grass species.								
-Planting schedule and maintenance instructions.								
-Provided certification for mulch as "weed free".								
MATERIALS TESTING Documentation from Geotech								
-Topsoil - per source - one certified test results documenting pH, % organic,					*	*		
soluble salts, nutrient and micro-nutrient requirements.								
VISUAL INSPECTION Documented on Daily Report/Diary								
Work under this item has been satisfactorily completed.								
SECT 2730 REVEGETATION-SEEDING, SODDING, HYDROSEEDING								
SUBMITTALS								
-Certifications-seed mixture stating botanical & common name, percentage								
by weight, and percentage of purity, germination, and weed seed of each								
grass species.								
-Planting schedule and maintenance instructions.								
-Provided certification for mulch as "weed free".								
MATERIALS TESTING Documentation from Testing Firm								
-Topsoil - per source - one certified test results documenting pH, % organic,					*	*		
soluble salts, nutrient and micro-nutrient requirements.								
VISUAL INSPECTION Documented on Daily Report/Diary								
Work under this item has been satisfactorily completed.								
SECT 2740 TREES, PLANTS, AND GROUND COVER						<u> </u>		
SUBMITTALS								
-Certificates-all required state, federal or other inspection reports showing								
source of origin.								
-Topsoil-information of source as per subsect. 1.05B.								
-Maintenance instruction per subsect. 1.05D.								
-Warranty-written warranty has been provided per subsect 1.08								
VISUAL INSPECTION Documented on Daily Report/Diary								
Items under this section are in good condition.								
items under this section are in your condition.								

<sup>\* -</sup> Town will not post an acceptance date w/o Geotech signature and receipt of all testing reports that indicate full compliance with specification.

	D E V E L O P E R	CONTRACTOR	D E V · E N G R	GEOTECH	10-10m TWZ- Z \$0-1	+0\$2 m20k. % 4D2-2.	FINAL ACCEPTANCE	COMMENTS
SECT 3100 CAST-IN-PLACE CONCRETE	_		- N C A 7		TORV		DATE LETION	
SUBMITTALS	INITIA	I OPO	N SAI	ISFAC	TORT	COMP	LETION	
Approved mix design								
Reinforcing bar certifications								
MATERIALS TESTING Documentation from Geotech								
(for each strength of concrete used)								
Air Content 1 test per placement day(minimum)					*	*		
Slump 1 test per cylinder set(minimum)					*	*		
Compressive Strength 1 set per day or 1 set per 100 cy					*	*		
VISUAL INSPECTION Documented on Daily Report/Diary								
-Reinforcement-bar size and grade, spacing, lap splices, clearances, & cover								
are in reasonable conformance with the plans and specifications.								
-Concrete surfaces are completed satisfactorily and no excessive roughness,								
aggregate segregation, honeycombing, spalling, etc. exists.								
-Expansion and construction joints are constructed and located in reasonable								
conformance with plans and specs.								
SECT 3200 MASONRY								
SUBMITTALS								
Information has been provided on Concrete Masonry Units per subsect 1.05.								
VISUAL INSPECTION Documented on Daily Report/Diary								
-All materials were free of defects or satisfactorily repaired/replaced.								
-Construction methods-footings, horizontal & vertical control, mortar, etc.								
are satisfactory and within reasonable conformance with plans & specs.								
-Reinforcement-bar size & grade, spacing, laps, etc. are in reasonable								
conformance with plans and specs.								
-Finish product-alignment & grade, mortar, grout, appearance are satisfactory.								
SECT 4100 WIRE FENCING	_							
SUBMITTALS								
Certificates of compliance have been provided on all materials used.								
VISUAL INSPECTION Documented on Daily Report/Diary								
-Installation methods including alignment, posts plumb, wire taut, secure								
connecting hardware, and gates are satisfactory and in reasonable								
conformance with plans and specs.								

	D E V E L O P E R	CONTRACTOR	DEV. ENGR.	GEOTECH	70-10m102- 2504	+0\$Z #ZUZ: & 4D2-Z:	FINAL ACCEPTANCE DATE	COMMENTS
SECT 4200 UNDERGROUND SPRINKLER SYSTEM	INITIA	L UPO	N SAT	ISFAC	TORY	СОМР	LETION	
SUBMITTALS								
-Operation Instructions								
-Certificates of compliance for all materials.								
-Written warranty/guaranty.								
PERFORMANCE TESTING Documented on appropriate test form								
-Successful hydrostatic test reports								
-Successful operational tests								
VISUAL INSPECTION Documented on Daily Report/Diary								
-Per subsect. 4.00; including fully operational system, coverage, satisfactory								
finish grading, no damage to equipment, initial and final walk-through, clean-up.								

PROJECT ACCEPTANCE	
Developer:	Materials Tester:
Contractor:	Engineer:
RECORD DRAWINGS (AS-BUILT PLANS)	
SUBMITTALS -Storm water system -Water transmission and distribution system -Sanitary sewer system includes service stub ou -Underground sprinkler system -Area improvements (curb, gutter, pavement, gu	
lights, etc.)	ardrain, remaining, digitining,
All other improvements not listed.	
PROJECT FINAL	
INITIAL AND FINAL WALK-THROUGHS ARE COM	PLETE
EXCESS MATERIALS HAVE BEEN SATISFACTOR	ILY DISPOSED
CLEAN UP IS COMPLETE	
ALL IMPROVEMENTS ARE WITHIN RIGHT-OF-WA	
NO RIGHT-OF-WAY OR EASEMENT ENCROACHN	
ALL ITEMS ON PUNCHLISTS HAVE BEEN SATISF	ACTORILY ADDRESSED
ALL DOCUMENTATION HAS BEEN RECEIVED	
ALL AS-BUILTS HAVE BEEN RECEIVED, REVIEW	
ACCEPTANCE OF THIS PROJECT BY THE TOWN OF N DISCOVERED OR ANY ITEMS BECOME IN NEED OF R	ENTS OF THIS PROJECT AS WRITTEN HEREIN OR CONTAINED IN ANY DOCUMENT GOVERNING THE IEW CASTLE HAVE BEEN MET. IF DURING THE STATED WARRANTY PERIOD ANY DEFICIENCIES ARE EPAIR FOR REASONS AS STATED IN ANY WARRANTIES CONTAINED IN THE PROJECT DOCUMENTS, SOR REPAIRS CORRECTED WITHIN THE TIMES PRESCRIBED.
THAL ACCEPTANCE IS MADE ON THIS DAT	
WARRANTY/GUARANTY PERIOD SHALL RUN TO	
DEVELOPER:	
CONTRACTOR:	
OFOTFOLI	
ENCINEED.	
TOWN:	
	. If discrepancies exist, the higher frequency will govern. Minimum quantities also assume passing eer may require additional tests where quality or methods of construction are in question.

<sup>\* -</sup> Town will not post an acceptance date w/o Geotech signature and receipt of all testing reports that indicate full compliance with specification.