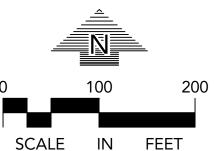
EXISTING BOUNDARY INFORMATION SHOWN IS BASED ON AN ALTA/NSPS LAND TITLE SURVEY BY COLE, DATED 06/04/2021. EXISTING CONDITIONS INFORMATION SHOWN IS BASED ON TOPO PERFORMED BY COLE 06/2021.





LEGEND SURVEY LEGEND **PROPOSED** BENCHMARK (·) UTILITY POLE CATCH BASIN (L=LIGHT T=TRANSFORMER) FOUND IRON PIPE STORM MANHOLE FOUND IRON ROD - GUY WIRE FLARED END SECTION O CURB INLET FOUND CROSS SANITARY MANHOLE FOUND ANCHOR GRATED INLET HYDRANT FOUND COTTON PICKER SPINDLE STORM MANHOLE GATE VALVE AREA INLET POST INDICATOR VALVE GRATE MANHOLE WATER MANHOLE / WELL * CURB CUTS LIGHT POLE CM | CONTROLLING MONUMENT FLARED END SECTION POWER POLE DRAINAGE PIPE ELECTRIC METER SCB SPRINKLER CONTROL BOX DOWN SPOUT GAS METER (W) WATER MANHOLE SANITARY MANHOLE TELEPHONE PEDESTAL CLEANOUT FIRE HYDRANT X) WATER VALVE UNKNOWN MANHOLE BENCHMARK WATER METER D YARD DRAIN SOIL BORING CT WATER FAUCET POLYVINYL CHLORIDE PIPE PARKING STALL COUNT ACCESSIBLE PARKING STALL CORRUGATED METAL PIPE STORM SEWER HANDICAP STRIPING DRAINTILE PARKING STALLS **SANITARY SEWER** CABLE SPLICE BOX EPB=ELECTRIC FOPB=FIBEROPTIC FORCEMAIN COMMUNICATION MANHOLE TSPB=TRAFFIC WATERMAIN TPB=COMMUNICATION COMMUNICATION SPLICE BOX SANITARY SEWER SERVICE TRAFFIC SIGNAL POLE WATER SERVICE TRAFFIC MANHOLE UNDERGROUND ELECTRIC TRAFFIC CONTROL BOX UNDERGROUND FIBER OPTION □ PM | PARKING METER UNDERGROUND GAS UNDERGROUND TELEPHONE GCB GATE CONTROL BOX OVERHEAD UTILITY DOUBLE POST SIGN PROPERTY BOUNDARY FENCE MAILBOX -X- FENCE LINE CHAIN LINK FENCE X | LIGHT STANDARD === SANITARY SEWER CONCRETE CURB YARD LIGHT === STORM SEWER **RETAINING WALL** ELECTRIC METER -w--- WATER LINE (UNDERGROUND) CONCRETE ELECTRIC BOX -UE---- ELECTRIC LINE (UNDERGROUND) NO PARKING ELECTRIC MANHOLE BUILDING — ∘E—— | ELECTRIC LINE (OVERHEAD) CONTOUR E | ELECTRIC TRANSFORMER U----- OVERHEAD UTILITY $\times^{972.5}$ SPOT ELEVATION ■ ELECTRIC OUTLET GAS LINE (UNDERGROUND) DIRECTION OF FLOW AC AIR CONDITIONING UNIT — ∪T —— | TELEPHONE LINE (UNDERGROUND)

GRADING NOTES

TREE LINE

PARKING SETBACK LINE **BUILDING SETBACK LINE** HANDRAIL

- 1. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR TO GRADE TO 6" BELOW FINISHED GRADES IN ALL AREAS TO BE REVEGETATED. SPREAD AT LEAST 6" OF TOP SOIL AND HYDROMULCH FOR PERMANENT VEGETATION. ASSURE POSITIVE DRAINAGE ACROSS ENTIRE SITE AND ALL REGRADED GRASSED AREAS. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED.

-FO---- FIBER OPTIC LINE (UNDERGROUND)

3. ALL EXCESS TOPSOIL AND CUT MATERIAL IS TO BE HAULED OFF AND DISPOSED OF OFF-SITE.

 $\sim\sim$

- 4. TOPSOIL SHALL BE STOCKPILED ONLY AS NECESSARY FOR REPLACEMENT IN NON PAVED AREAS. MAXIMUM HEIGHT SHALL NOT EXCEED 10', AND THE SIDE SLOPE SHALL NOT BE STEEPER THAN 3:1. EXCESS TOPSOIL IS TO BE HAULED OFF SITE AND DISPOSED OF
- 5. ALL DEWATERING MEASURES SHALL BE PART OF BASE BID UNLESS OTHERWISE IDENTIFIED ON THE PLANS.
- 6. CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE CONDITIONS DURING ALL CONSTRUCTION PHASES OF THE PROJECT UNTIL THE PERMANENT
- 7. DRAINAGE FACILITIES ARE CONSTRUCTED AND READY TO USE. HANDLE ALL EXCAVATED AND STOCKPILED MATERIAL IN SUCH A WAY THAT IT WILL NOT BLOCK
- 8. DRAINAGE OR DAMAGE EXISTING ENVIRONMENTAL ITEMS.
- 9. THE CONTRACTOR SHALL TAKE INTO CONSIDERATION THE ROADWAY SECTIONS, SUBGRADE PREPARATION, AND ANY OTHER ELEVATIONS NOT PART OF THE PROPOSED NATURAL GROUND WHEN MAKING CUT AND FILL CALCULATIONS. ALL GRADING OF PROPOSED NATURAL GROUND SHALL BE GRADED TO DRAIN AND SHALL NOT EXCEED 3:1 SLOPE UNLESS OTHERWISE NOTED ON THE PLANS.
- 10. ALL EXCAVATION SHALL BE PERFORMED AS DIRECTED IN THE DRAWINGS AND IN COMPLIANCE WITH OSHA STANDARDS.
- 11. DATA ON SUBSURFACE CONDITIONS IS AVAILABLE TO THE CONTRACTOR FROM THE OWNER UPON REQUEST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GEOTECHNICAL EVALUATION REPORT AND SITE RECOMMENDATIONS/REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING ADDITIONAL TEST BORINGS, IF
- 12. FOR SITE RETAINING WALLS "TW" EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW" EQUALS SURFACE GRADE AT WALL GRADE TRANSITION, AND "BW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED
- 13. STREETS MUST BE CLEANED AND SWEPT WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- 14. DUST MUST BE ADEQUATELY CONTROLLED.
- 15. SEE EROSION CONTROL PLAN FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
- 16. SEE UTILITY PLANS FOR WATER, STORM AND SANITARY SEWER INFORMATION.
- 17. SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS
- 18. SEE LANDSCAPE PLAN FOR FINAL SITE STABILIZATION.
- 19. ALL GRADING WORK SHALL BE COORDINATED WITH GRADING FOR THE REHABILITATION PROJECT FOR THE PROPERTY.
- 20. A PORTION OF THE PROPERTIES LIES WITHIN FEMA ZONE AE PER FIRM PANEL 0195E. THE BASE FLOOD ELEVATION OF ZONE AE WITHIN THE PROPERTY IS 297.00. THERE WILL BE NO BUILDING ENCROACHMENTS OR FILL IN THE FLOOD HAZARD AREA.

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LOUCKS PROJ. NO. 21560.0A PROJECT TITLE SANDY CREEK

APARTMENTS

LOUCKS FIRM NO. F-20662

ISSUE # DATE DESCRIPTION 1 03/22/2022 SITE PLAN SUBMITTAL

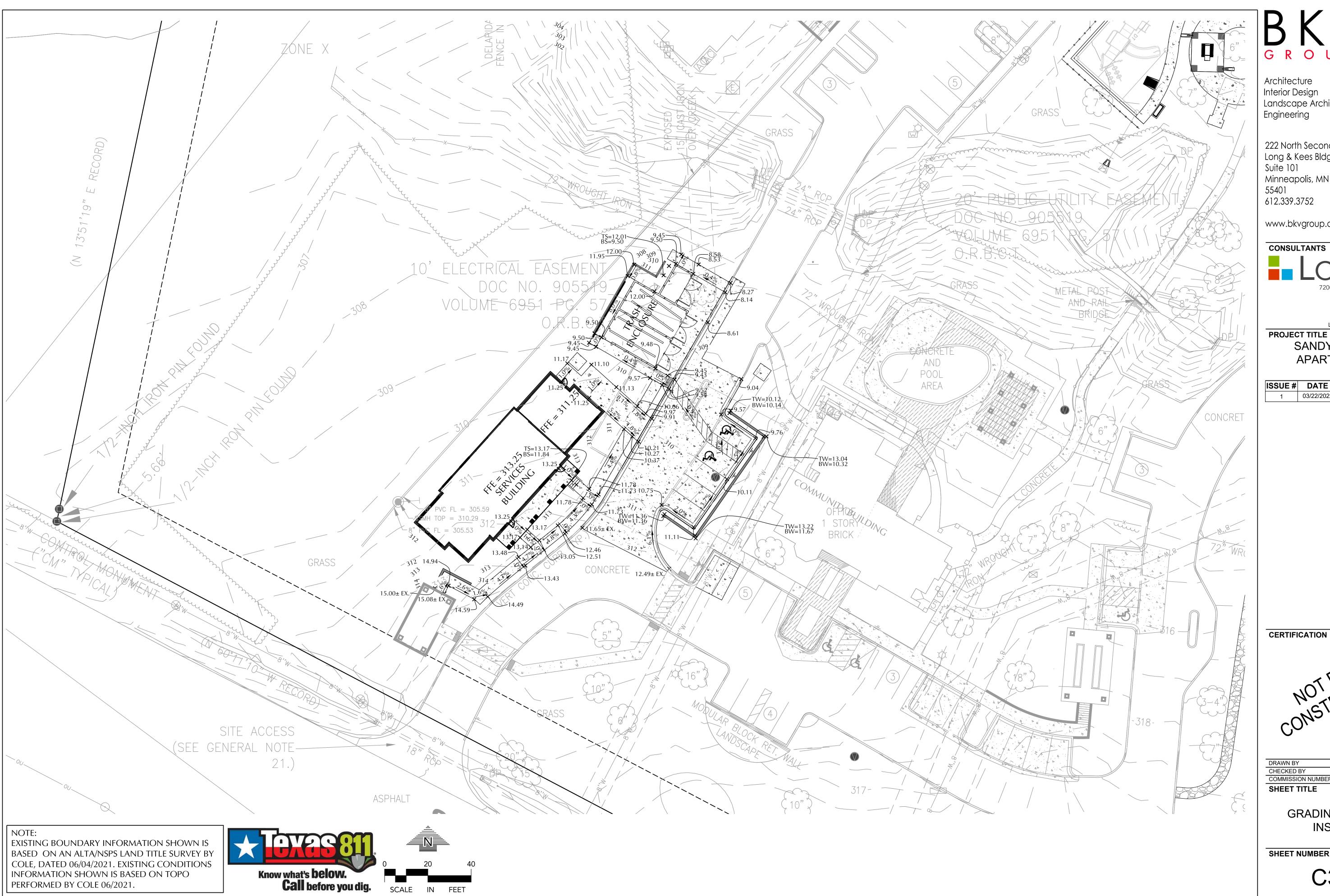
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SANDY CREEK **APARTMENTS**

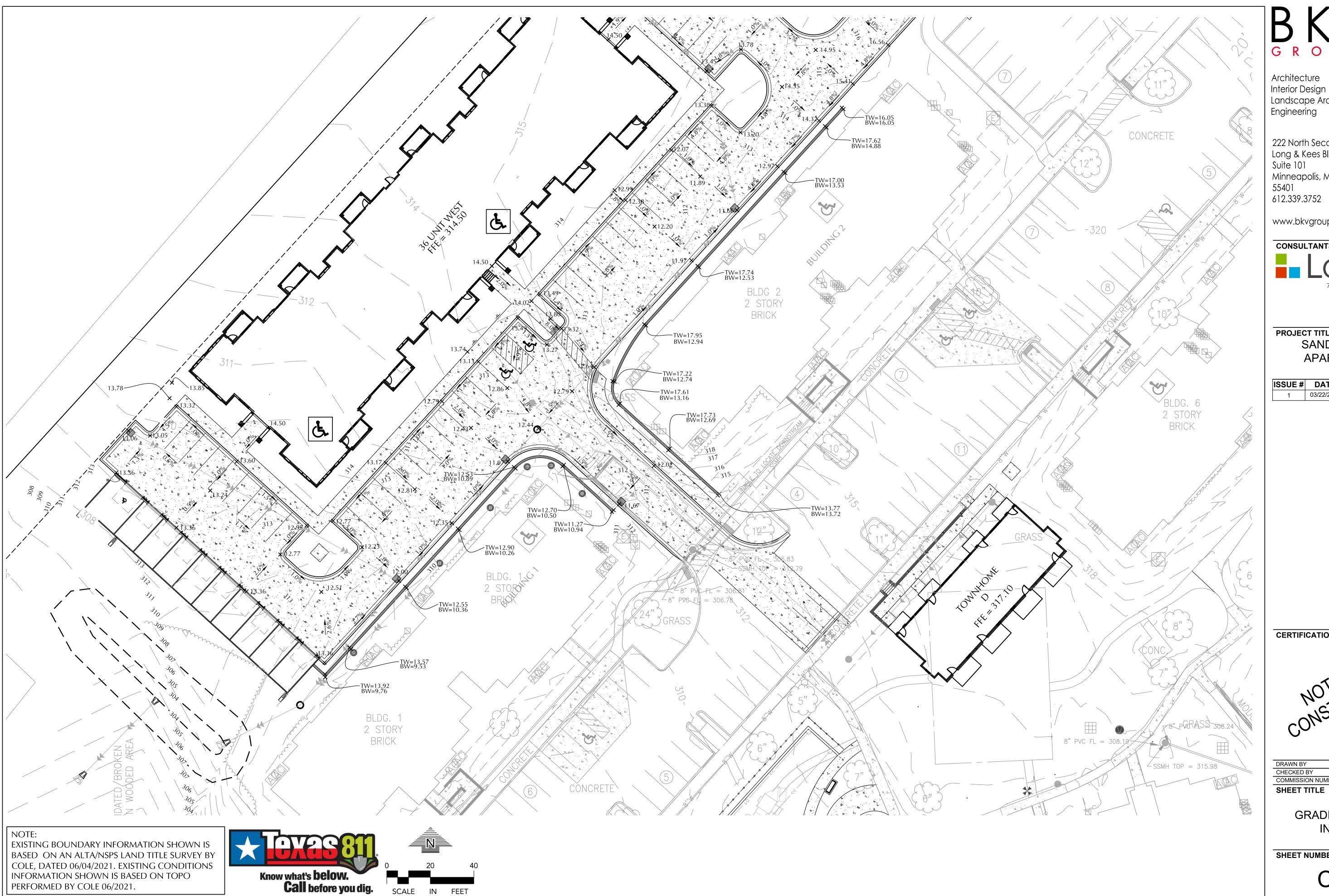
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> **GRADING PLAN -INSET 1**

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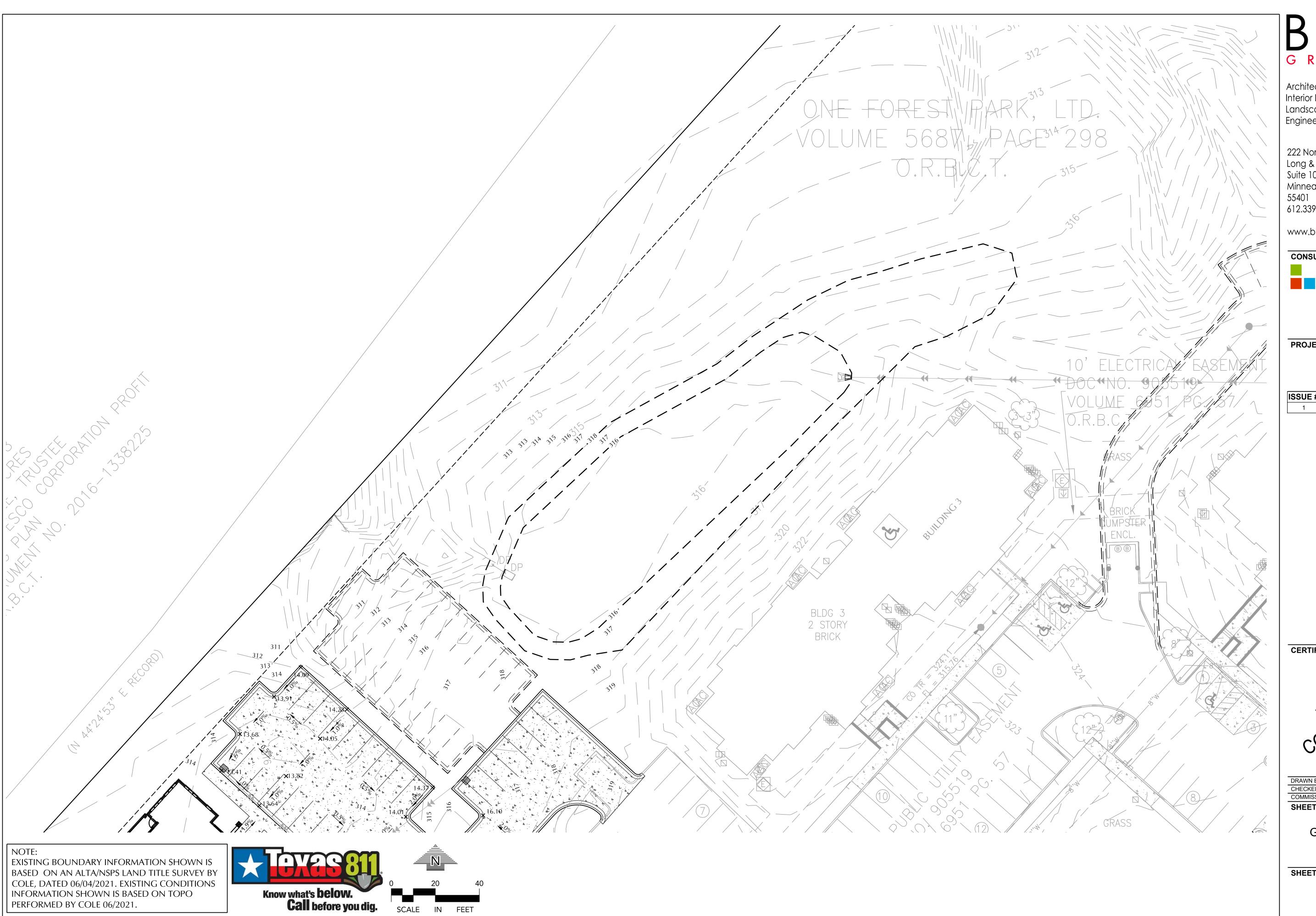
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> **GRADING PLAN -**INSET 2

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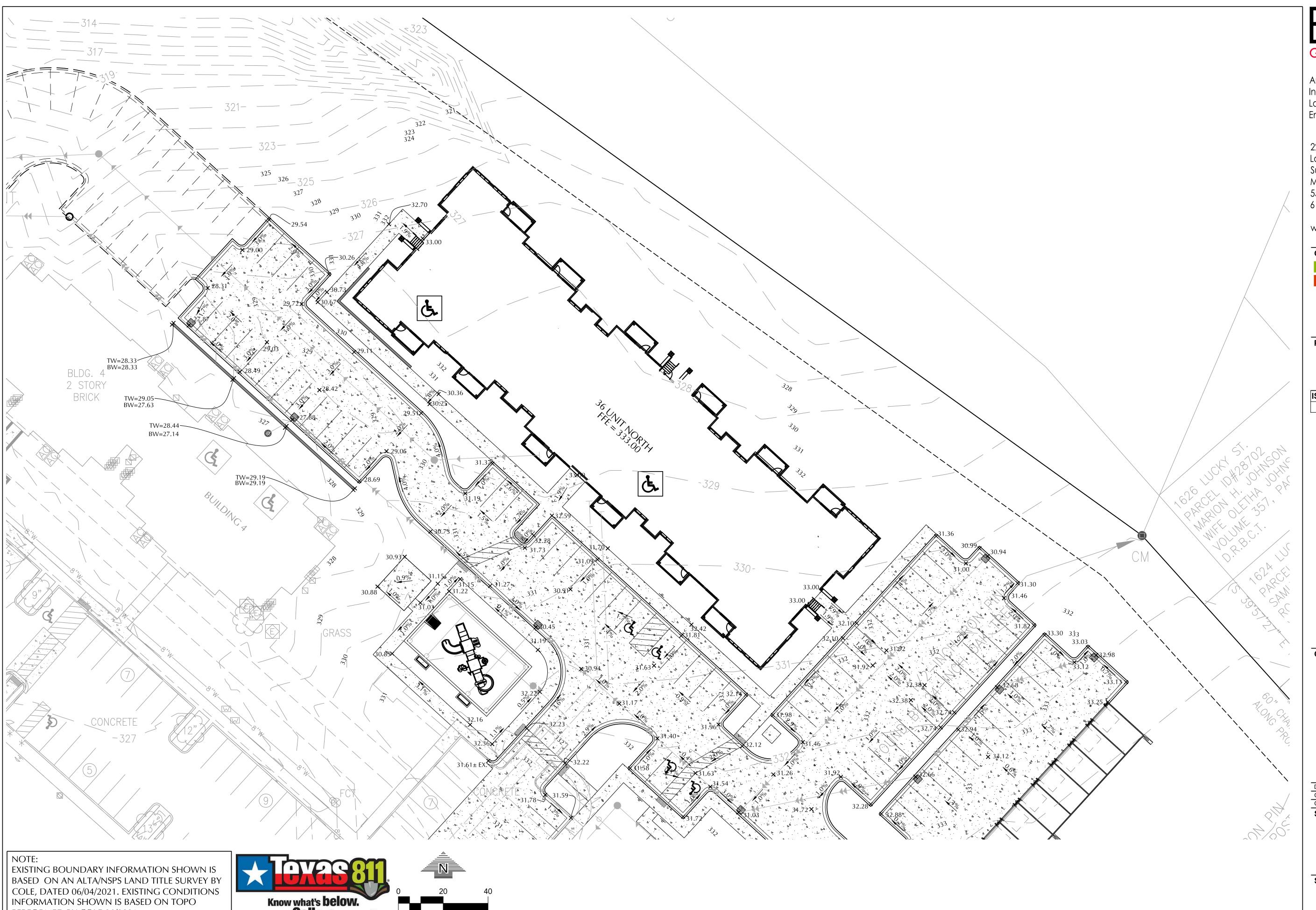
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GRADING PLAN -INSET 3

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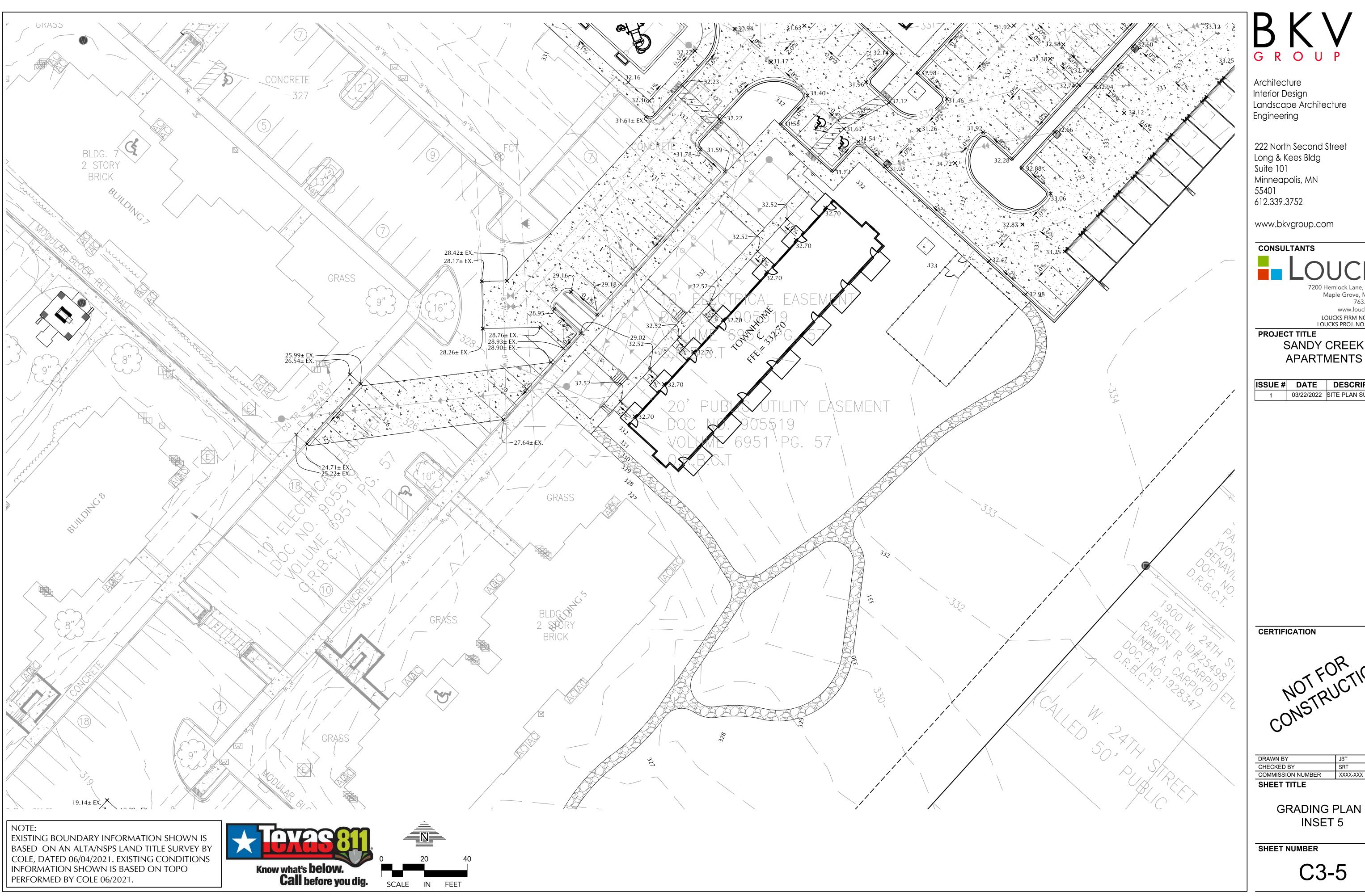
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GRADING PLAN -INSET 4

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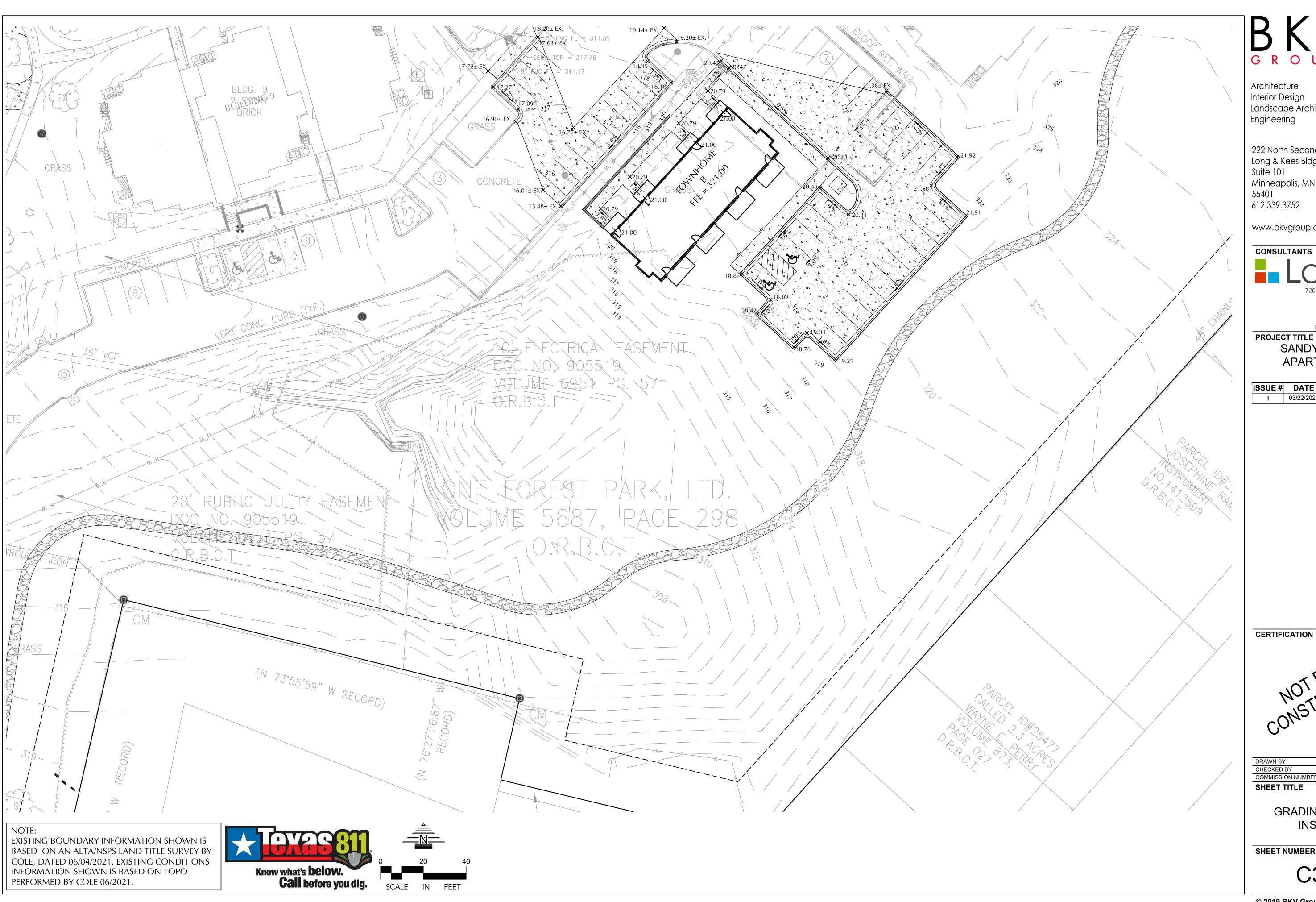
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SHEET TITLE

GRADING PLAN -INSET 5

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> **GRADING PLAN -**INSET 6

SHEET NUMBER

LEGEND SURVEY LEGEND PROPOSED BENCHMARK CATCH BASIN FOUND IRON PIPE STORM MANHOLE FOUND IRON ROD FLARED END SECTION FOUND CROSS SANITARY MANHOLE FOUND ANCHOR HYDRANT GATE VALVE POST INDICATOR VALVE WATER MANHOLE / WELL CURB CUTS LIGHT POLE CM | CONTROLLING MONUMENT **POWER POLE** ELECTRIC METER GAS METER (W) WATER MANHOLE TELEPHONE PEDESTAL FIRE HYDRANT SIGN WATER VALVE BENCHMARK WATER METER SOIL BORING CT WATER FAUCET PARKING STALL COUNT ACCESSIBLE PARKING STALL MONITORING WELL STORM SEWER DRAINTILE SANITARY SEWER CABLE SPLICE BOX FORCEMAIN WATERMAIN SANITARY SEWER SERVICE WATER SERVICE UNDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC UNDERGROUND GAS UNDERGROUND TELEPHONE OVERHEAD UTILITY DOUBLE POST SIGN FENCE MAILBOX CHAIN LINK FENCE C | LIGHT STANDARD CONCRETE CURB YARD LIGHT RETAINING WALL ELECTRIC METER CONCRETE ELECTRIC BOX NO PARKING ELECTRIC MANHOLE BUILDING CONTOUR ELECTRIC TRANSFORMER ×^{972.5} **≺**1.0% SPOT ELEVATION ■ ELECTRIC OUTLET DIRECTION OF FLOW AC AIR CONDITIONING UNIT $\sim\sim\sim$ TREE LINE

----BSBL----

LANDSCAPING

• UTILITY POLE (L=LIGHT T=TRANSFORMER) - GUY WIRE O CURB INLET GRATED INLET STORM MANHOLE FOUND COTTON PICKER SPINDLE (O) AREA INLET GRATE MANHOLE FLARED END SECTION * DP | DRAINAGE PIPE OSCB SPRINKLER CONTROL BOX ODS DOWN SPOUT SANITARY MANHOLE CLEANOUT UNKNOWN MANHOLE YARD DRAIN POLYVINYL CHLORIDE PIPE CORRUGATED METAL PIPE HANDICAP STRIPING PARKING STALLS PULL BOX: EPB=ELECTRIC FOPB=FIBEROPTIC COMMUNICATION MANHOLE TSPB=TRAFFIC TPB=COMMUNICATION COMMUNICATION SPLICE BOX TRAFFIC SIGNAL POLE TRAFFIC MANHOLE TRAFFIC CONTROL BOX □ PM | PARKING METER GCB GATE CONTROL BOX PROPERTY BOUNDARY ---X--- FENCE LINE SANITARY SEWER === STORM SEWER ------ ELECTRIC LINE (UNDERGROUND) ----OE----- ELECTRIC LINE (OVERHEAD) -00- OVERHEAD UTILITY

-G---- GAS LINE (UNDERGROUND)

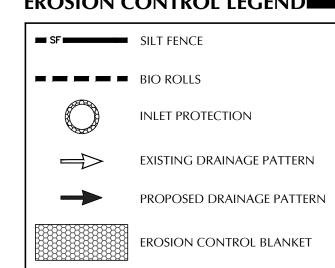
— UT — TELEPHONE LINE (UNDERGROUND)

——FO—— | FIBER OPTIC LINE (UNDERGROUND)

EROSION CONTROL LEGEND■

PARKING SETBACK LINE BUILDING SETBACK LINE

HANDRAIL



ESTIMATED QUANTITIES

DESCRIPTION	UNIT	QUANTITY
TEMPORARY ROCK CONSTRUCTION ENTRANCE	EA	2
PREFABRICATED CONCRETE WASHOUT	EA	0
SILT FENCE (STANDARD)	LF	±3,900
EROSION CONTROL BLANKET	SY	0
INLET PROTECTION	EA	23
BIOROLLS	LF	±1,100

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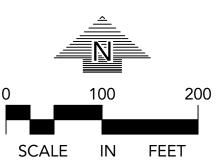
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PLAN

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- 1. THE NATURE OF THIS PROJECT WILL CONSIST OF CONSTRUCTING SEVERAL PROPOSED APARTMENT AND TOWNHOME BUILDING, SURFACE PAVEMENTS, AND UTILITIES.
- 2. THE INTENDED SEQUENCING OF MAJOR CONSTRUCTION ACTIVITIES ARE AS FOLLOWS:
- INSTALL SILT FENCE & BIO ROLLS AROUND SITE
- CLEAR AND GRUB SITE
- STRIP AND STOCKPILE TOPSOIL
- REMOVE PAVEMENTS AND UTILITIES CONSTRUCT STORMWATER MANAGEMENT FACILITIES
- INSTALL SILT FENCE AROUND STORM WATER MANAGEMENT FACILITIES
- ROUGH GRADE SITE IMPORT CLEAN FILL FOR REPLACEMENT AND/OR BALANCE AS NEEDED
- install utilities INSTALL BUILDING FOUNDATIONS
- install curb and gutter
- INSTALL PAVEMENTS AND WALKS FINAL GRADE SITE
- REMOVE ACCUMULATED SEDIMENT FROM STORMWATER FACILITIES AND STRUCTURES
- SEED AND MULCH WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE SILT FENCE AND BIO ROLLS AND RESEED ANY AREAS DISTURBED BY THE REMOVAL.
- SITE DATA: AREA OF DISTURBANCE / PROPERTY AREA: X AC. PRE-CONSTRUCTION IMPERVIOUS AREA:

POST-CONSTRUCTION IMPERVIOUS AREA: X AC.

GENERAL SOIL TYPE: SEE GEOTECHNICAL EVALUATION REPORT

- THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE IDENTIFIED WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC. BEFORE CONSTRUCTION BEGINS.
- 5. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN (10) OR MORE DAYS SHALL BE STABILIZED OR OTHER EQUIVALENT CONTROL MEASURE TAKEN.
- 6. ON SLOPES 3:1 OR GREATER MAINTAIN SHEET FLOW AND MINIMIZE RILLS AND/OR GULLIES, SLOPE LENGTHS CAN NOT BE GREATER THAN 75 FEET.
- 7. ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL
- 8. TEMPORARY SOIL STOCKPILES MUST HAVE EFFECTIVE SEDIMENT CONTROL AND CAN NOT BE PLACED IN SURFACE WATERS OR STORM WATER CONVEYANCE SYSTEMS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT AMOUNT OF SILT, CLAY, OR ORGANIC COMPOUNDS ARE EXEMPT EX: CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND
- 9. SEDIMENT LADEN WATER MUST BE DISCHARGED TO A SEDIMENTATION BASIN WHENEVER POSSIBLE. IF NOT POSSIBLE, IT MUST BE TREATED WITH THE APPROPRIATE BMP'S.
- 10. IF THE INFILTRATION BASIN IS TO BE USED DURING CONSTRUCTION, THE CONTRACTOR SHALL ONLY PARTIALLY EXCAVATE AND LEAVE THE BASIN 2 FEET ABOVE FINISHED ELEVATION.
- 11. SOLID WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH LOCAL DISPOSAL
- 12. EXTERNAL WASHING OF CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE PROPERLY CONTAINED.
- 13. NO ENGINE DEGREASING IS ALLOWED ON SITE.
- 14. THE OWNER WHO SIGNS THE NPDES PERMIT APPLICATION IS A PERMITTEE AND IS RESPONSIBLE FOR COMPLIANCE WITH ALL TERMS AND CONDITIONS OF THE PERMIT. THE OPERATOR (CONTRACTOR) WHO SIGNS THE NPDES PERMIT APPLICATION IS A PERMITTEE FOR PARTS II.B., PART II.C. PART II.B-F. PART V. PART IV AND APPLICABLE CONSTRUCTION ACTIVITY REQUIREMENTS FOLIND IN APPENDIX A PART C. OF THE NPDES PERMIT AND IS IQINTLY RESPONSIBLE WITH THE OWNER FOR COMPLIANCE WITH THOSE PORTIONS OF THE PERMIT.
- 15. TERMINATION OF COVERAGE-PERMITTEE(S) WISHING TO TERMINATE COVERAGE MUST SUBMIT A NOTICE OF TERMINATION (NOT). ALL PERMITTEE(S) MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ONE OR MORE OF THE FOLLOWING CONDITIONS HAVE BEEN MET:
- A. FINAL STABILIZATION, PER NPDES PERMIT PART IV.G. HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE.
- B. TRANSFER OF OWNERSHIP AS DESCRIBED IN THE PERMIT.
- 16. INSPECTIONS
- A. INITIAL INSPECTION FOLLOWING SILT FENCE INSTALLATION BY CITY REPRESENTATIVE IS

- B. EXPOSED SOIL AREAS: ONCE EVERY 7 DAYS AND WITHIN 24 HOURS FOLLOWING A 0.5" OVER 24 HOUR RAIN EVENT.
- C. STABILIZED AREAS: ONCE EVERY 30 DAYS
- D. INSPECTION AND MAINTENANCE RECORDS MUST BE RETAINED FOR 3 YEARS AFTER FILING OF THE NOTICE OF TERMINATION AND MUST INCLUDE: DATE AND TIME OF ACTION, NAME OF PERSON(S) CONDUCTING WORK, FINDING OF INSPECTIONS AND RECOMMENDATIONS FOR CORRECTIVE ACTION, DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCHES IN A 24 HOUR PERIOD.
- 17. MINIMUM MAINTENANCE
- A. SILT FENCE TO BE REPAIRED, REPLACED, SUPPLEMENTED WHEN NONFUNCTIONAL, OR 1/3 FULL: WITHIN 24 HOURS
- B. SEDIMENT BASINS DRAINED AND SEDIMENT REMOVED WHEN REACHES 1/2 STORAGE
- VOLUME. REMOVAL MUST BE COMPLETE WITHIN 72 HOURS OF DISCOVERY. SEDIMENT REMOVED FROM SURFACE WATERS WITHIN (7) SEVEN DAYS
- D. CONSTRUCTION SITE EXITS INSPECTED, TRACKED SEDIMENT REMOVED WITH 24 HOURS. PROVIDE COPIES OF EROSION INSPECTION RESULTS TO CITY ENGINEER FOR ALL EVENTS

MUST BE KEPT AT THE SITE DURING CONSTRUCTION ACTIVITY BY THE PERMITTEE(S) WHO HAVE

Greater than ½" in 24 hours

18. THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS

- OPERATIONAL CONTROL OF THE SITE. 19. OWNER MUST KEEP RECORDS OF ALL PERMITS REQUIRED FOR THE PROJECT, THE SWPPP, ALL INSPECTIONS AND MAINTENANCE, PERMANENT OPERATION AND MAINTENANCE AGREEMENTS, AND REQUIRED CALCULATIONS FOR TEMPORARY AND PERMANENT STORM WATER
- 20. SWPPP MUST BE AMENDED WHEN:

NPDES NOTICE OF TERMINATION.

A. THERE IS A CHANGE IN DESIGN, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON DISCHARGE

MANAGEMENT SYSTEMS. THESE RECORDS MUST BE RETAINED FOR THREE YEARS AFTER FILING

- B. INSPECTIONS INDICATE THAT THE SWPPP IS NOT EFFECTIVE AND DISCHARGE IS EXCEEDING WATER QUALITY STANDARDS.
- THE BMP'S IN THE SWPPP ARE NOT CONTROLLING POLLUTANTS IN DISCHARGES OR IS NOT CONSISTENT WITH THE TERMS AND CONDITIONS OF THE PERMIT.
- 21. CONCRETE WASHOUT AREA
- A. CONTRACTOR TO PROVIDE PREFABRICATED CONCRETE WASH-OUT CONTAINER WITH RAIN
- PROTECTION PER PLAN. B. CONCRETE WASH-OUT TO BE IDENTIFIED WITH SIGNAGE STATING "CONCRETE WASHOUT
- AREA DO NOT OVERFILL". C. CONCRETE WASHOUT WATER NEEDS TO BE PUMPED WITHIN 24 HOURS OF STANDING
- WATER IN WASHOUT AREA. 22. IN THE EVENT OF ENCOUNTERING A WELL OR SPRING DURING CONSTRUCTION CONTRACTOR

TO CEASE CONSTRUCTION ACTIVITY AND NOTIFY ENGINEER.

- 23. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
- 24. FINAL STABILIZATION

FINAL STABILIZATION REQUIRES THAT ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT DISTURBED AREAS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH 70% OF THE EXPECTED FINAL DENSITY, AND THAT ALL PERMANENT PAVEMENTS HAVE BEEN INSTALLED. ALL TEMPORARY BMP'S SHALL BE REMOVED, DITCHES STABILIZED, AND SEDIMENT SHALL BE REMOVED FROM PERMANENT CONVEYANCES AND SEDIMENTATION BASINS IN ORDER TO RETURN THE POND TO DESIGN CAPACITY.

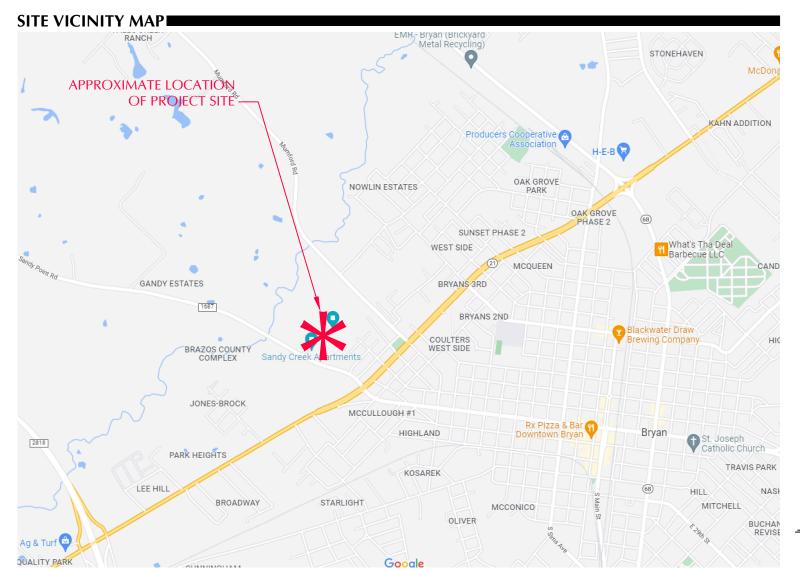
5.	RESPONSIBILITIES			
	A.	THE OWNER MUST IDENTIFY A PERSON WHO WILL OVERSEE THE SWPPP IMPLEMENTATION OF THE STREET OF THE SWPPP IMPLEMENTATION OF THE SWPP IMPLEMENTATION OF THE SWP IMPLEMENTATION OF THE SWPP IMPL		
		AND THE PERSON RESPONSIBLE FOR INSPECTION AND MAINTENANCE:		
	CON	TACT:		

B. THE OWNER MUST IDENTIFY THE A PERSON WHO WILL BE RESPONSIBLE FOR LONG TERM OPERATIONS AND MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT

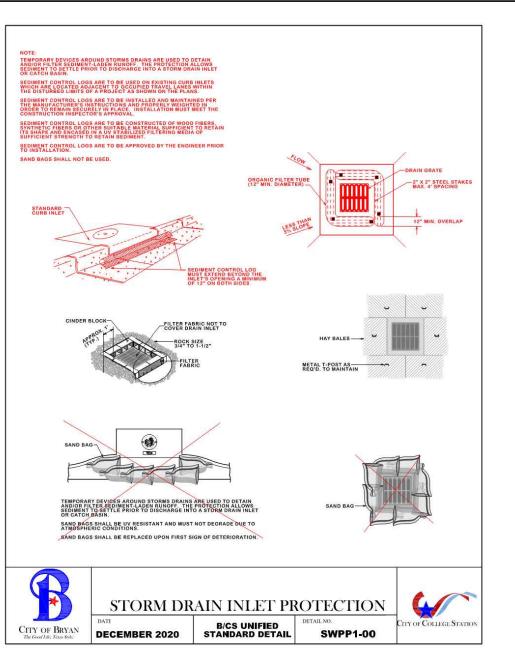
CONTACT: COMPANY:

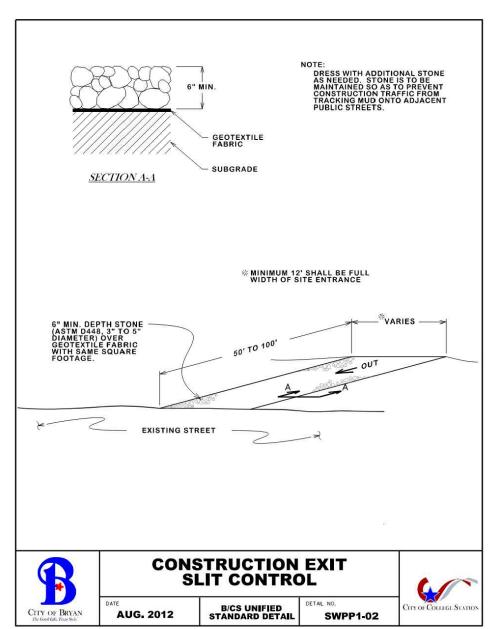
PHONE:

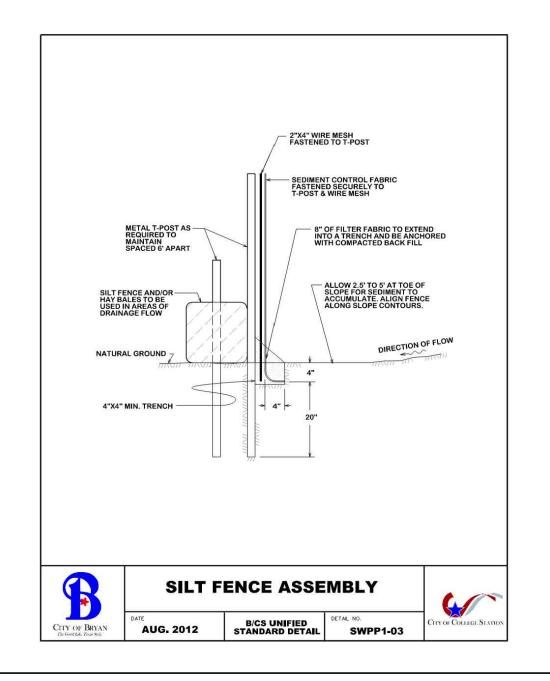
26. THE CITY OR STATE MAY HAVE REQUIREMENTS FOR INSPECTIONS OR AS-BUILT DRAWINGS VERIFYING PROPER CONSTRUCTION OF THE BMPS.













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EROSION CONTROL PLAN NOTES

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