SITE GRADING NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY AND PAY ALL FEES.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR SHALL RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES AND PAY ALL FEES.

3. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY EXISTING STRUCTURES THAT ARE DAMAGED DURING, AND AS A RESULT OF, CONSTRUCTION. REPAIRS AND/OR REPLACEMENTS SHALL BE MADE AS NECESSARY TO RETURN THE DAMAGED STRUCTURE(S) TO ORIGINAL OR BETTER CONDITION. REPAIRS AND/OR REPLACEMENTS SHALL BE AT THE CONTRACTORS EXPENSE.

4. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

5. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.

6. ALL CUT OR FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED.

7. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES STEEPER THAN 3H:1V. CONTRACTOR SHALL GRASS DISTURBED AREAS PER GRASSING SCHEDULE UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

8. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

9. CONTRACTOR SHALL ADJUST AND/OR SAW CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

10. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY RANDALL WHITE LAND SURVEYORS, DATED 01/21/2022. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.

11. CONTRACTOR SHALL INSPECT, REPAIR, AND CLEAN ALL EXISTING DRAINAGE STRUCTURES AND PIPING. ALL SEDIMENT AND DEBRIS SHALL BE REMOVED.

12. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED.

13. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6 INCHES ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".

14. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.

15. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

16. MINIMUM COVER FROM TOP OF STORM PIPE TO FINISH GRADE SHALL BE 2 FEET.

17. HEADWALLS SHALL BE CONSTRUCTED AND/OR INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF PIPE TO MINIMIZE POSSIBLE PIPE DAMAGE AND FACILITATE FINAL GRADING.

18. RIP-RAP STONE FOR EROSION PROTECTION SHALL BE PROVIDED AT ALL STORMWATER DISCHARGE LOCATIONS.

19. WATER, SEWER, AND STORM LINES SHALL BE KEPT 10 FEET APART HORIZONTALLY AND 18 INCHES APART VERTICALLY WHEN CROSSING (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE), UNLESS NOTED OTHERWISE.

20. WHEN CROSSING, WATER LINES SHALL BE CONSTRUCTED ABOVE SEWER LINES AND STORM LINES, UNLESS A LACK OF DEPTH ABOVE THE SEWER OR STORM LINE NECESSITATES CONSTRUCTION OF WATER LINES BENEATH SEWER LINES OR STORM LINES. IN THE EVENT OF A VERTICAL CONFLICT, THE FOLLOWING MODIFICATIONS MUST OCCUR:
-SEWER LINES SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF THE CROSSING.
-STORM LINES SHALL HAVE "O-RING" GASKETS WITH HUGGER BAND COUPLING AT LEAST 10 FEET ON BOTH SIDES OF THE CROSSING.
-WATER LINES SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AND APPROPRIATE THRUST BLOCKING MEETING THE REQUIREMENTS OF ANSI 21.10 OR 21.11 (AWWA C-151)(CLASS 50).

21. WATER QUALITY UNITS ARE TO BE OFFLINE AND PIPES TO/FROM ARE TO BE PLUGGED UNTIL FINAL STABILIZATION IS COMPLETE.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EARTHWORK REQUIRED TO PREPARE THE UNCLASSIFIED SITE TO THE LINES AND GRADES AS SHOWN ON PLANS. THIS INCLUDES, BUT IS NOT LIMITED TO, ANY QUANTITY OF IMPORT OR EXPORT OF STRUCTURAL FILL AND/OR DISPOSAL OF UNSUITABLE MATERIAL, AS REQUIRED. ALL COSTS SHALL BE INCLUDED IN OVERALL BASE BID. ALL EXCAVATION SHALL BE CONSIDERED UNCLASSIFIED.

REFER TO SHEETS C8.0 FOR GRADING AND DRAINAGE DETAILS.

REFER TO STORMWATER POLLUTION PREVENTION PLANS FOR GRASSING/SEEDING SCHEDULES

STRIPPING AND COMPACTION SCHEDULE:

TOPSOIL STRIPPING DEPTH 6" AVERAGE. DEEPER IF REQUIRED LOCALLY.

REQUIRED COMPACTION PERCENTAGES (% MAX DRY DENSITY)

STANDARD PROCTOR METHOD ASTM TEST # D-698

BUILDING AREA 98% PARKING AREA 98%

UPPER 8 INCHES OF BUILDING AREA TO BE COMPACTED TO 98%

UPPER 8 INCHES OF PARKING AREA TO BE COMPACTED TO 98%

TESTING:

ALLOW 1 COMPACTION TEST PER EA. 2500 S.F. (MAX 50' X 50' AREA) PER LIFT AT BUILDING AREAS.

ALLOW 1 COMPACTION TEST PER EACH 10,000 S.F. OF CUT OR NATURAL GRADE AT BUILDING AREA.

ALLOW 1 COMPACTION TEST PER EA. 5500 S.F. (MAX 75' X 75' AREA) PER LIFT AT PARKING AREA.

ALLOW 1 COMPACTION TEST PER EACH 40,000 S.F. OF CUT OR NATURAL GRADE AT PARKING AREA.

MAXIMUM LIFT THICKNESS SHALL BE 8", UNLESS NOTED OTHERWISE.

LEGEND:

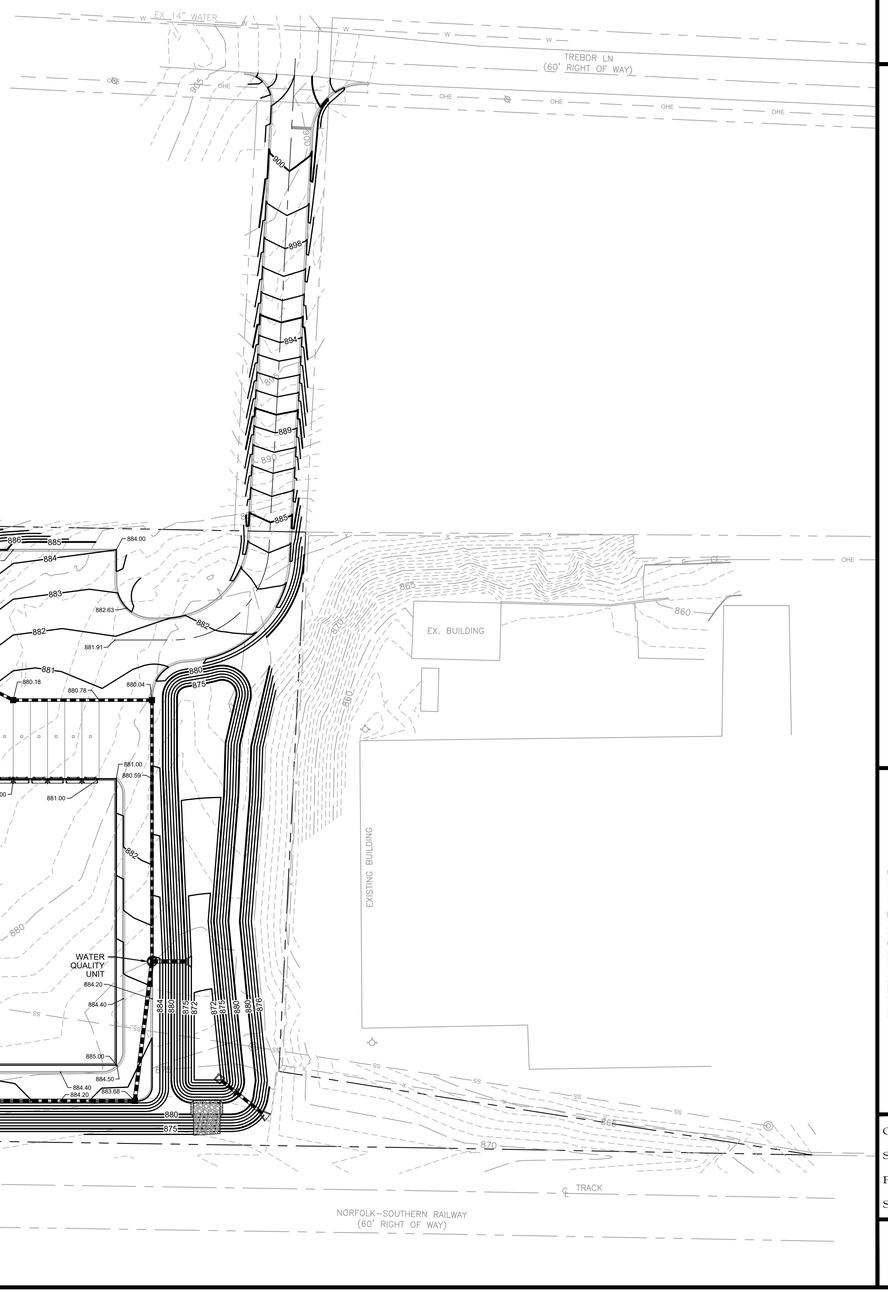
| | |
|---|---|
| 830 | EXISTING CONTOUR LINE |
| 830 | PROPOSED CONTOUR LINE |
| 833.50 | PROPOSED SPOT ELEVATION |
| EX 24" RCP ST | EXISTING STORM SEWER PIPE |
| | PROPOSED STORM SEWER PIPE |
| EX CI/EX CB | EXISTING CURB INLET/CATCH BASIN |
| EX ST | EXISTING STORM MANHOLE |
| CI | PROPOSED CURB INLET |
| JB | PROPOSED JUNCTION BOX |
| | DRAINAGE SLOPE ARROW |
| WQD | WATER QUALITY DEVICE |
| STCO | STORMWATER CLEAN OUT |

GRAPHIC SCALE

50 0 25 50 100 200

( IN FEET )
1 inch = 50 ft.

Tennessee 811
Know what's below.
Call before you dig.





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FOR PRICING

Site Grading Plan

# Proposed Warehouse

Trebor Ln
Knoxville, Tennessee 37920
HBC Warehouse Holdings Partners

REVISIONS

| NO. | DATE | COMMENTS |
|---|---|---|
| | | |

ORIGINAL ISSUE: 03/25/2022
SITE PROJECT#: 2055
FILE: 2055 Grading
SHEET: ___ OF: ___

C3.0