EROSION & GRADING NOTES

1. EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE ON THE SITE FOR NO MORE THAN 14 DAYS. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
2. ALL CUT/FILL AREAS TO HAVE A MINIMUM OF 6" OF TOPSOIL COVER. AREAS DRESSED WITH TOPSOIL SHALL RECEIVE 12 POUNDS PER 1000 SQUARE FEET OF 6-12-12 FERTILIZER (UNLESS OTHERWISE SPECIFIED IN WRITTEN SPECIFICATIONS), 5 POUNDS OR MORE OF KENTUCKY 31 FESCUE SEED PER 1000 SQUARE FEET, AND A STRAW MULCH OF 70%-80% COVERAGE (APPROXIMATELY 125 POUNDS PER 1000 SQUARE FEET), UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND THE LOCATION OF ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AVOID DAMAGE TO ALL EXISTING UTILITIES DURING CONSTRUCTION. IF DAMAGE DOES OCCUR TO ANY SUCH INSTALLATION, FULL REPAIR WILL BE ACCOMPLISHED AS PER THE CURRENT SPECIFICATION GOVERNING SUCH WORK.
4. FILL MATERIAL IS TO BE FREE OF SOD, ROOTS, FROZEN SOILS, OR ANY OTHER DECOMPOSABLE MATERIAL. SAID FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR, OR AS OTHERWISE SPECIFIED BY THE SOILS REPORT OR WRITTEN SPECIFICATIONS.
5. THE CONTRACTOR SHALL LOCATE AND STAKE THE LAYOUT OF THE SITE IN THE FIELD FOR INSPECTION BY THE ENGINEER. THE CONTRACTOR SHALL CHECK THE GRADES AND FINAL DIMENSIONS ON THE GROUND, AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY FOR A DECISION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
7. SITE BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED TO ENGINEER BY
8. ALL EROSION CONTROL MEASURES ARE TO BE REMOVED DURING FINAL STABILIZATION AND PRIOR TO REQUESTS FOR AS-BUILT APPROVALS.

Retaining Wall Notes:

1. Structural design of retaining walls to be performed by others.
2. Heights in this table are visible heights according to proposed finished grade elevations. Consult retaining wall design for recommended elevation difference between top of footing and finished grade.
3. Walls exceeding 30 inches in height require handrails, consult with architect on style and material.

RETAINING WALL TABLE

Point	Top of Wall	Finish Grade Inside Wall	Finish Grade Outside Wall	Approx. Wall Height (feet)
A1	550.0	549.0	547.0	3.0
A2	552.0	551.0	533.0	19.0
A3	552.0	550.0	533.0	19.0
A4	550.0	548.0	532.0	18.0
A5	550.0	548.0	537.0	13.0
A6	550.0	548.0	540.0	10.0
A7	558.0	556.0	558.0	2.0

(A1) :: INDICATES POINTS ALONG SPECIFIED WALL THAT CORRESPOND WITH THIS TABLE

SITE STORM SEWER SYSTEM

Item	Structure Type	Size	T.C. Elev.	In Invert Elevation	Out Invert Elevation	Percent Slope
CB1	Catch Basin	Double	531.6	---	527.5	---
CB1 to CB2	15" RCP	225 lf	---	527.5	526.4	0.5
CB2	Catch Basin	Single	530.4	526.4	526.4	---
CB2 to CB3	24" RCP	320 lf	---	526.4	524.8	0.5
CB3	Catch Basin	Single	530.5	524.8	524.8	---
CB3 to HW1	30" RCP	73 lf	---	524.8	524.5	0.5
HW1	Headwall	Standard	---	---	524.5	---
AD1	Area Drain	Double	547.5	---	544.0	---
AD1 to AD2	15" RCP	213 lf	---	544.0	531.2	6.00
AD2	Area Drain	Double	547.2	531.2	531.2	---
AD2 to CB4	18" RCP	26 lf	---	531.2	526.0	20.0
CB4	Catch Basin	Single	530.6	526.0	526.0	---
CB4 to CB3	24" RCP	227 lf	---	526.0	524.8	0.5
OCS	Outlet Structure	Custom	528.5	---	521.2	---
OCS to HW2	18" CMP	22 lf	---	521.2	520.9	1.36
HW2	Headwall	Standard	---	---	520.9	---
AD3	Area Drain	Single	520.5	---	512.75	---
AD3 to HW3	15" CMP	40 lf	---	512.75	512.30	1.13
HW3	Headwall	Standard	---	---	512.30	---

OUTLET PROTECTION CHART

Proposed Outlet	Pipe to Outlet	Calculated 10-Yr Discharge	Width of Rip-Rap	Length of Rip-Rap	Min. Rip-Rap D50 Diameter
Headwall 1	30" RCP	30.2 cfs	4 feet	16 feet	6 inch
Headwall 2	18" CMP	15.5 cfs	4 feet	16 feet	6 inch
Headwall 3	15" CMP	25.2 cfs	4 feet	23 feet	6 inch

AS-BUILT NOTES:

IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME 1, SECTION 3.9, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST BE PROVIDED THE FOLLOWING ITEMS AND APPROVE THE FOLLOWING AS-BUILTS PRIOR TO ISSUANCE OF THE USE AND OCCUPANCY PERMIT:

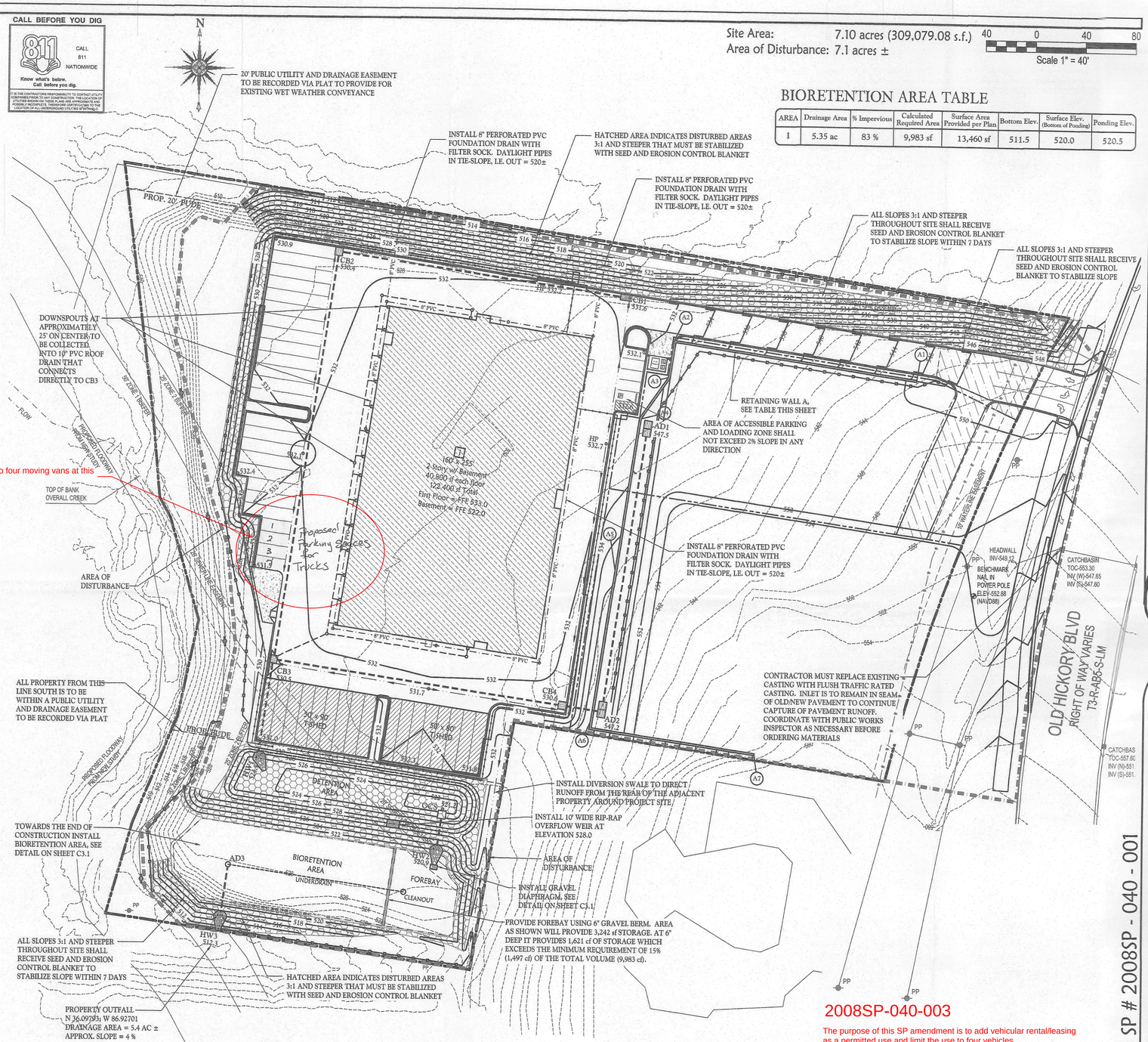
1. A CERTIFICATION LETTER FROM A TENNESSEE REGISTERED P.E. STATING THAT THE SITE HAS BEEN INSPECTED AND THAT THE STORMWATER MANAGEMENT SYSTEM AND STORMWATER CONTROL MEASURES (BOTH STRUCTURAL AND NON-STRUCTURAL) ARE COMPLETE AND FUNCTIONAL IN ACCORDANCE WITH THE PLANS APPROVED BY M.W.S.
2. AN AS-BUILT L.I.D. SPREADSHEET
3. HYDROLOGIC AND HYDRAULIC CALCULATIONS FOR AS-BUILT CONDITIONS, AS REQUIRED
4. AS-BUILT DRAWINGS SHOWING FINAL TOPOGRAPHIC FEATURES OF ALL THESE FACILITIES. THIS SHALL INCLUDE INVERT ELEVATIONS OF OUTLET CONTROL STRUCTURES.
5. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE NOTED ON THE AS-BUILT DRAWINGS SUBMITTED
6. COPY OF AS-BUILT PLAN CAD FILE ON A CD AND SHOULD BE REGISTERED TO THE TENNESSEE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD83). DATA SHOULD BE PLACED IN SEPARATE LAYERS AND SHOULD BE LABELED / NAMED FOR EASY IDENTIFICATION.
7. CUT AND FILL BALANCE CERTIFICATION FOR FLOODPLAIN AND SINKHOLE ALTERATIONS
8. WATER QUALITY BUFFERS SHALL BE SURVEYED AND INCLUDED WITH THE AS-BUILT SUBMITTAL
9. ANY PUBLIC (TO BECOME THE RESPONSIBILITY OF METRO TO MAINTAIN) STORMWATER INFRASTRUCTURE SHALL BE VIDEO-INSPECTED TO VERIFY PROPER INSTALLATION WITH THE VIDEO RECORDING AND ANY ASSOCIATED INSPECTION REPORT SUBMITTED AS PART OF THE AS-BUILT RECORD
10. ADDITIONAL TESTING MAY BE REQUIRED AS/IF WARRANTED BY VIDEO INSPECTION

CALL BEFORE YOU DIG

811 CALL 811 NATIONWIDE

Know what's below. Call before you dig.

IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE, THE CONTRACTOR IS TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE DIGGING.



Site Area: 7.10 acres (309,079.08 s.f.)
Area of Disturbance: 7.1 acres ±

40 0 40 80
Scale 1" = 40'

BIORETENTION AREA TABLE

AREA	Drainage Area	% Impervious	Calculated Required Area	Surface Area Provided per Plan	Bottom Elev.	Surface Elev. (Bottom of Ponding)	Ponding Elev.
1	5.35 ac	83 %	9,983 sf	13,460 sf	511.5	520.0	520.5

NOTES:

1. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY ON THIS SITE, THE SPECIFIED EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND REVIEWED BY METRO STORM WATER INSPECTION DIVISION.
2. CONTRACTOR, ENGINEER, OR OWNER'S REPRESENTATIVE SHALL NOTIFY MWS DEVELOPMENT REVIEW AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF THE PLANTING SOIL FILTER BED. AT THE COMPLETION OF INSTALLATION, THE ABOVE REFERENCED PERSON WILL COLLECT ONE SAMPLE PER BIORETENTION BED FOR ANALYSIS AND CONFIRMATION OF THE SOIL CHARACTERISTICS AS DEFINED BY G.I.P.-01, FILTER MEDIA AND SURFACE COVER, SECTION 6.6, PAGE 18 OF THE METRO STORMWATER VOLUME 5: LOW IMPACT DEVELOPMENT MANUAL.

2008SP-040-003

The purpose of this SP amendment is to add vehicular rental/leasing as a permitted use and limit the use to four vehicles.

With the exception of vehicular rental/leasing, all uses prohibited by Substitute Ordinance BL2008-179 remain as prohibited uses. Vehicular rental/leasing is limited to four vehicles and shall be parked at the location shown on the plan. All other standards/requirements of Substitute Ordinance BL2008-179 shall remain in effect.

Final EPSC Plan

Grading & Drainage Plan

Initial Submittal: July 14, 2016
Revisions: August 3, 2016, May 12, 2017, December 1, 2017, January 26, 2018, March 19, 2018, September 6, 2018, November 2, 2018, June 5, 2019

40 Scale

Designed By: Charley Dean, PE

Dean Design Group LLC
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CHARLES TAYLOR DEAN — STATE OF TENNESSEE

a+ Storage - Bellevue
Tax Map 128, Parcels 65 & 65.01 in Davidson Co.
497 & 501 Old Hickory Boulevard, Nashville, Tennessee

Final SP # 2008SP - 040 - 001

Permit Info:
SWGR# 2016-034446
NOC: TNR 241017

Project: 15033

C3.0

Sheet 6 of 8