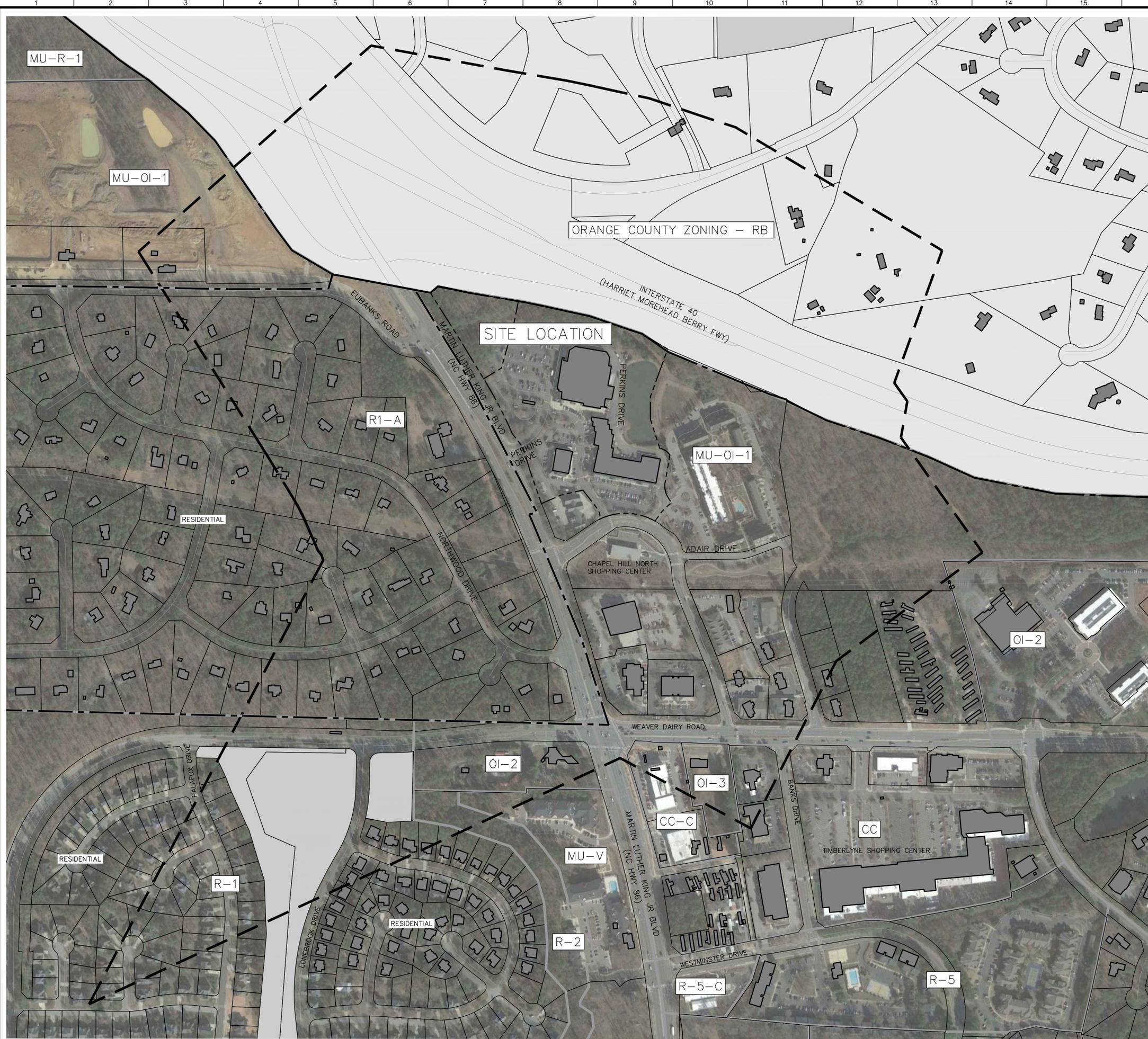




February 02, 2021 - 6:40pm By: Megan Fitzsimmons

K:\CHL\_FRA\015640 Harris Teeter\020 Chapel Hill North, NC Fuel Center\02 - DWG\PlanSheets\CC-1 AREA MAP.dwg



AREA MAP LEGEND	
	1000' NOTIFICATION BOUNDARY
	SITE BOUNDARY
	PARCEL BOUNDARY
	ZONING DISTRICT BOUNDARY
	CORPORATE LIMIT LINES
	DEDICATED OPEN SPACE, PARKS, GREENWAYS
	ORANGE COUNTY ZONING
	EXISTING BUILDING

SITE DATA SUMMARY	
PROJECT NAME:	STORE 223 - CHAPEL HILL
CLIENT NAME:	HARRIS TEETER, LLC.
PHONE#:	(704)844-3100
PLANS PREPARED BY:	KIMLEY-HORN AND ASSOCIATES
PHONE#:	(704)333-5131
TAX PARCEL ID:	9880270438, 9880275036
STREET ADDRESS:	1800 MARTIN LUTHER KING JR BLVD
	CHAPEL HILL, NC
ZONING:	MIXED USE - OFFICE/INSTITUTIONAL - 1 (MU-OI-1)
PROPOSED USE:	FUEL SALES AND BUILDING EXPANSION
LOT SIZE:	±15.41 ACRES (PROPOSED)
TREE PROTECTION:	40% TREE CANOPY COVERAGE

**Kimley-Horn**  
 NC License #F-0102  
 200 SOUTH TRYON ST.  
 SUITE 200  
 CHARLOTTE, NC 28202  
 PHONE: (704) 333-5131

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NO.	DATE	REVISIONS

CLIENT:

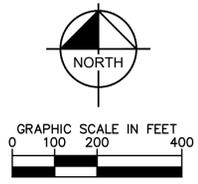
HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER & STORE EXPANSION  
 STORE #223  
 CHAPEL HILL, NORTH CAROLINA  
 1800 MARTIN LUTHER KING JR BLVD.  
 TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
 ORANGE COUNTY

TITLE: AREA MAP

DESIGNED BY: ARS  
 DRAWN BY: ARS  
 CHECKED BY: MFJ  
 DATE: 02/02/2021  
 PROJECT#: 015640020

C2-0





February 02, 2021 - 6:41pm By: Megan Fitzsimmons

INTERSTATE 40 (EXIT 266)  
VARIABLE PUBLIC RIGHT-OF-WAY  
PB 1, PG 174

INTERSTATE 40 (EXIT 266)  
VARIABLE PUBLIC RIGHT-OF-WAY  
PB 1, PG 174

LAT: N35° 58' 08.11"  
LONG: W79° 03' 28.87"

GRADING AND DRAINAGE LEGEND

	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT - FINISHED GRADE
	PROPOSED SPOT - HIGH POINT
	PROPOSED SPOT - TOP OF ISLAND
	STORM STRUCTURE LABEL
	EXISTING STORM PIPE
	FLOW DIRECTION

GRADING NOTES

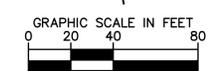
- SEE COVER SHEET FOR OVERALL PAVING, GRADING AND DRAINAGE NOTES.
- CONTRACTOR SHALL REVIEW, UNDERSTAND AND IMPLEMENT ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY DISTURBANCE.
- ALL SPOT ELEVATIONS ALONG PAVEMENT REPRESENT FINISHED GRADE ELEVATION UNLESS OTHERWISE NOTED.
- ALL STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL PAVEMENT.
- ALL CONNECTIONS BETWEEN PROPOSED STORM STRUCTURES AND O-RING PIPE SHALL HAVE WATERTIGHT CONNECTIONS.
- INLET PROTECTION - CONTRACTOR SHALL PROVIDE CATCH BASIN INLET PROTECTION ON ALL EXISTING AND PROPOSED INLETS UNTIL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
- CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT AND STORM STRUCTURES
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES
- ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
- CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY PARKS, SCRAPED, GOUGED, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION.
- DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
- RIM ELEVATIONS OF CURB INLETS EQUALS THE FLOW LINE OF THE GUTTER PAN. RIM ELEVATIONS OF DROP INLETS, MANHOLES, AND CLEANOUTS EQUALS THE CENTER OF GRATE OR LID ELEVATION.

STORM DRAINAGE ABBREVIATIONS LIST  
(SEE LATEST NCDOT STDS. MANUAL AND DETAIL SHEETS)

CB	CATCH BASIN (NCDOT STDS. 840.00, 01, 02, 46, 66)
US	US FOUNDRY 5181 FRAME & HOOD AND US FOUNDRY 6003 GRATE
DI	DROP INLET (NCDOT STDS. 840.00, 14, 15, 46, 66)
US	US FOUNDRY 4139 FRAME AND US FOUNDRY 6002 GRATE
JB	JUNCTION BOX/MANHOLE (NCDOT STDS. 840.00, 31, 32, 46, 54, 66)
OE	OPEN ENDED PIPE
RD	ROOF DRAIN (REF: ARCH/MEP)
CO	CLEAN-OUT (SEE DETAIL SHEET)
FS	FLOW SPLITTER (SEE DETAIL SHEET)
OCS	BMP CONTROL STRUCTURE (SEE DETAIL SHEET)
EX-CB	EXISTING CATCH BASIN

ALERT TO CONTRACTOR

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.



Know what's below.  
Call before you dig.

**Kimley»Horn**  
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SUITE 200  
CHARLOTTE, NC 28202  
PHONE: (704) 333-5131

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NO.	DATE	REVISIONS



HARRIS TEETER

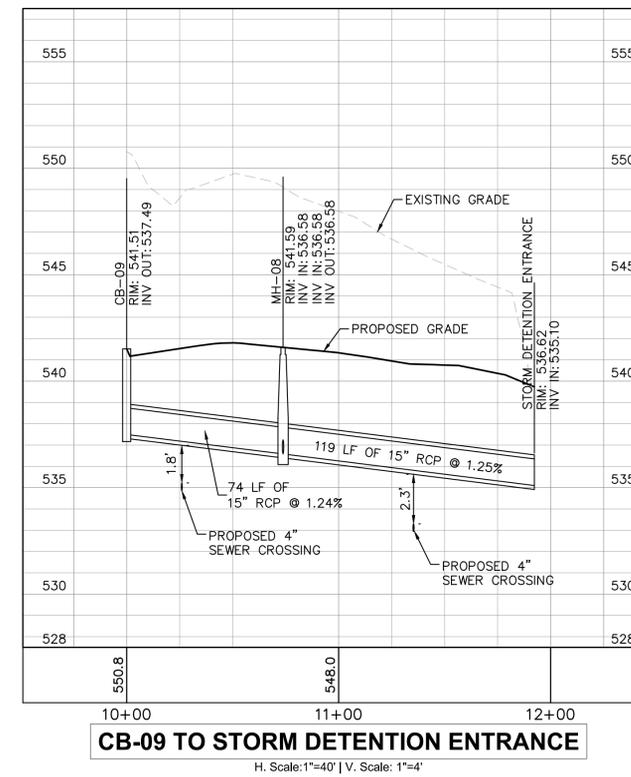
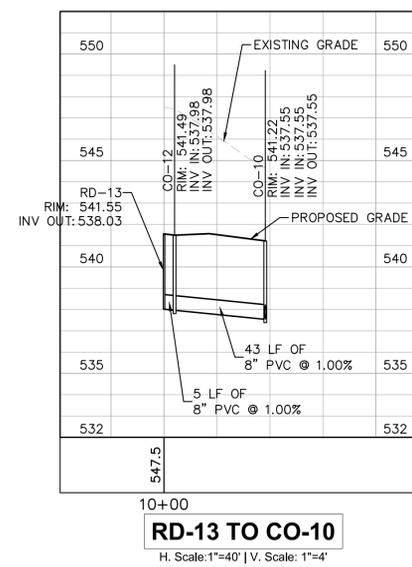
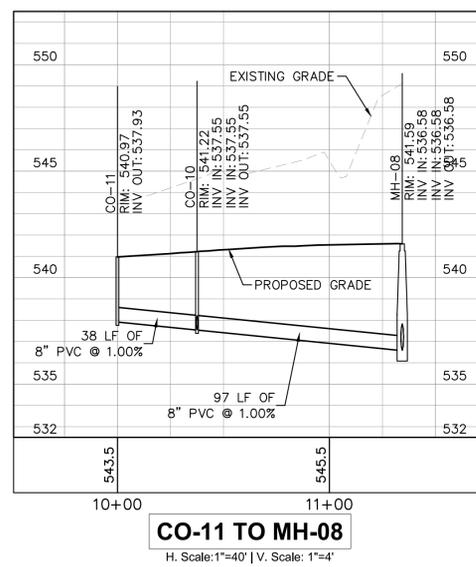
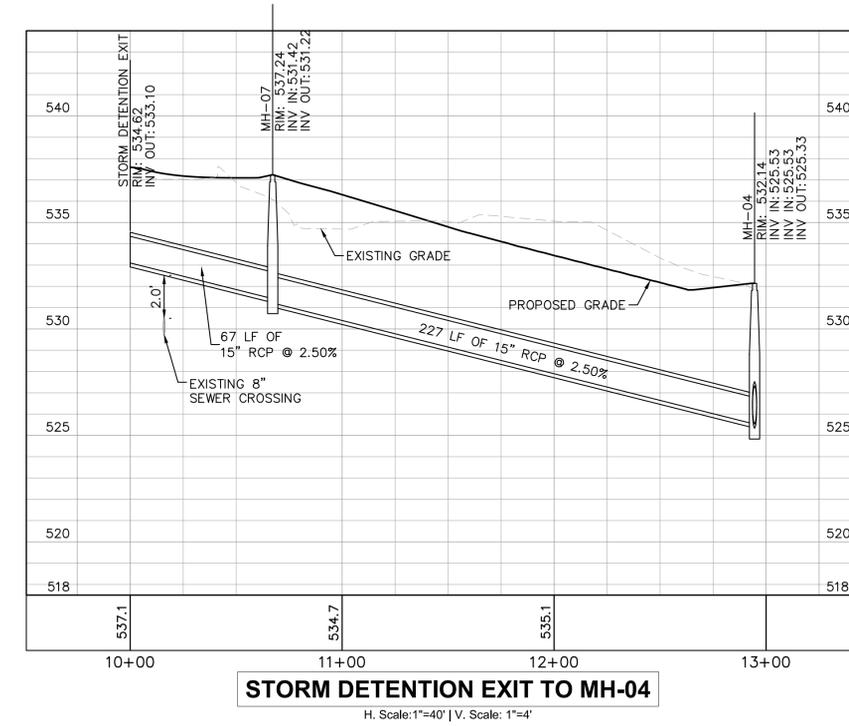
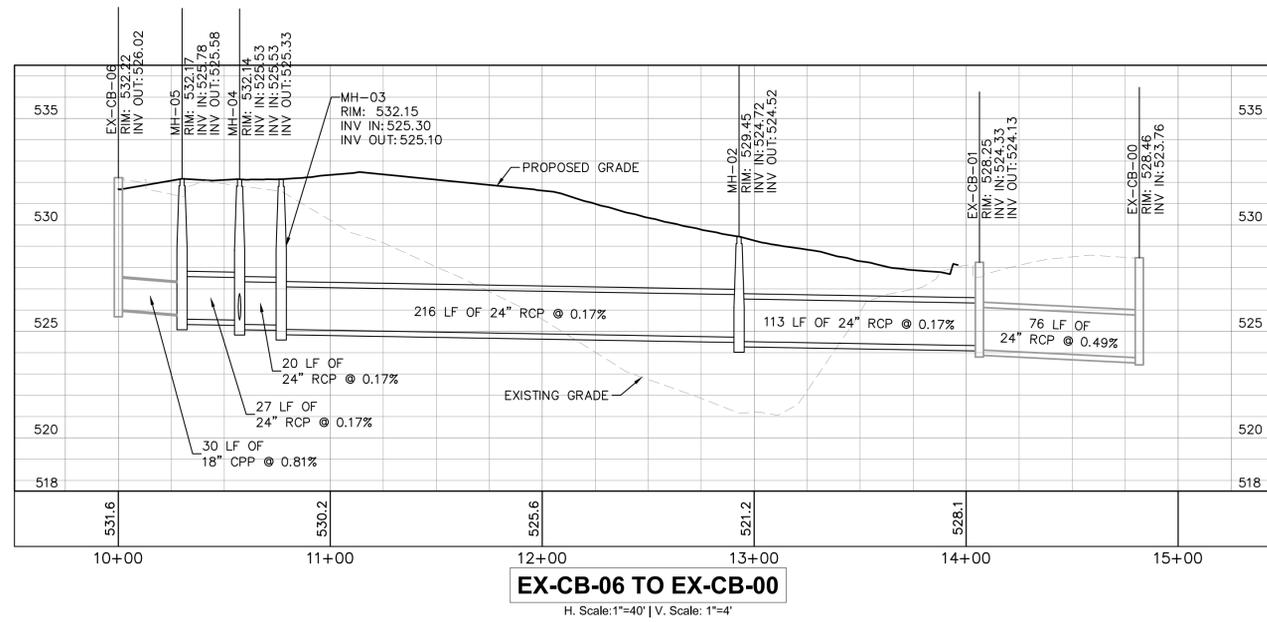
PROJECT: HARRIS TEETER FUEL CENTER &  
STORE EXPANSION  
STORE #223  
CHAPEL HILL, NORTH CAROLINA  
1800 MARTIN LUTHER KING JR. BLVD.  
TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
ORANGE COUNTY

GRADING AND  
DRAINAGE PLAN

DESIGNED BY: ARS  
DRAWN BY: ARS  
CHECKED BY: MFJ  
DATE: 02/02/2021  
PROJECT#: 015640020

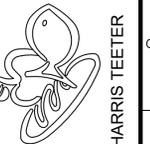
C3-0

K:\CHL\_PRA\015640 Harris Teeter\020 Chapel Hill North, NC Fuel Center\02 - DWS\PlanSheets\C3-0 GRADING AND EROSION PLAN.dwg



22/2021

NO.	DATE	REVISIONS



HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER & STORE EXPANSION  
STORE #223  
CHAPEL HILL, NORTH CAROLINA  
1800 MARTIN LUTHER KING JR. BLVD.  
TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
ORANGE COUNTY

TITLE: STORM SEWER PROFILES

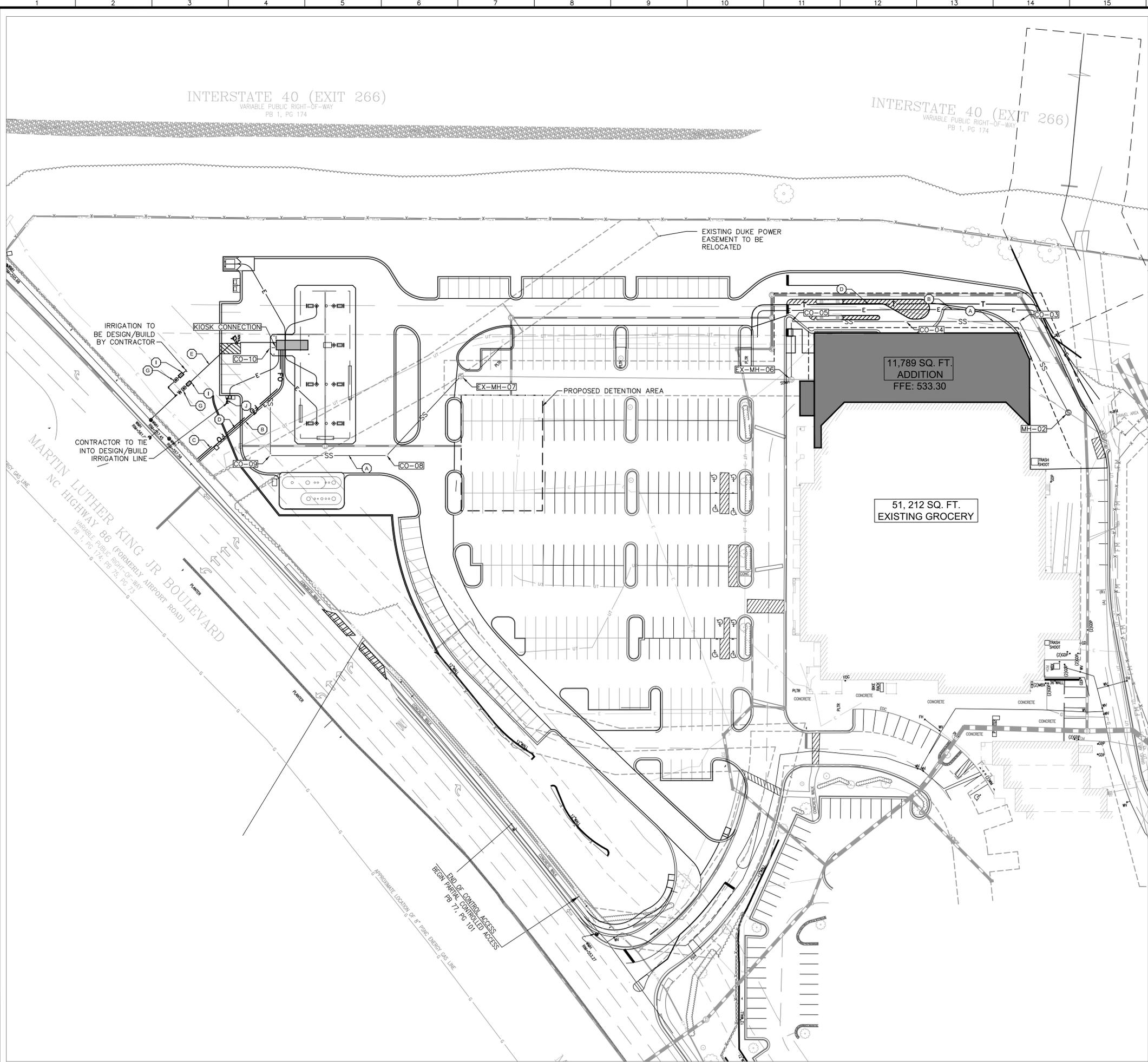
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DRAWN BY: ARS  
CHECKED BY: MFJ  
DATE: 02/02/2021  
PROJECT#: 015640020



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February 02, 2021 - 6:42pm By: Megan Fitzsimmons

K:\CHL\_PRA\015640 Harris Teeter\020 Chapel Hill North, NC Fuel Center\02 - DWG\PlanSheets\C3-0 UTILITY PLAN.dwg



UTILITY LEGEND	
UE	PROPOSED UNDERGROUND ELECTRIC
SS	PROPOSED SANITARY SEWER
SS	PROPOSED STORM SEWER
T	PROPOSED TELEPHONE
W	PROPOSED DOMESTIC WATER
FO	PROPOSED FIBER OPTIC CABLE

**UTILITY NOTES**

- SEE GENERAL NOTES SHEET FOR ADDITIONAL UTILITY NOTES
- ALL BACKFLOW AND METER TYPES TO BE APPROVED BY THE TOWN OF CHAPEL HILL ENGINEERING DEPARTMENT.
- CAST IRON SLIDE COVERS MUST BE USED ON ALL CLEANOUTS LOCATED IN PAVED AREAS.
- ALL APPLICABLE WATER/SEWER IMPACT AND METER FEES MUST BE PAID BY CONTRACTOR BEFORE ANY BUILDING PERMITS ARE ISSUED.

**SANITARY SEWER NOTES**

- CONTRACTOR TO COORDINATE WITH THE TOWN OF CHAPEL HILL ENGINEERING DEPARTMENT AND PAY FOR TIE-IN TO THE TOWN OF CHAPEL HILL SANITARY SEWER PROPOSED FOR THIS PROJECT.
- CONTRACTOR TO LOCATE LATERAL CONNECTIONS TO BUILDING PER PLUMBING PLANS.
- PLACE CLEAN-OUTS ON SANITARY SEWER LATERALS AS REQUIRED BY PLUMBING CODE.
- TRENCHES FOR SEWER LATERALS MUST REMAIN OPEN FOR PLUMBING INSPECTION.

**WATER DISTRIBUTION NOTES**

- CONTRACTOR TO LOCATE TIE-INS TO ALL BUILDINGS BASED ON PLUMBING PLANS.
- ALL WATER METERS SHALL BE INSTALLED IN THE GROUND PURSUANT TO THE SPECIFICATIONS OF THE TOWN OF CHAPEL HILL IN A LOCATION THAT WILL BE EASY TO ACCESS BY REPRESENTATIVES OF THE TOWN OF CHAPEL HILL UNLESS AN EXCEPTION SHALL BE GRANTED.

**UTILITY LEGEND**

- (A) 3" PVC SANITARY SEWER LATERAL AT MINIMUM 1.00% SLOPE. COORDINATE WITH PLUMBING PLANS
- (B) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND ELECTRIC TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ELECTRIC COMPANY (DUKE ENERGY) BEFORE THE INSTALLATION OF UNDERGROUND ELECTRIC LINES ON EXACT LOCATION AND INSTALLATION PROCEDURES.
- (C) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND FIBER OPTIC CABLE TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CABLE COMPANY (TIME WARNER CABLE) BEFORE THE INSTALLATION OF UNDERGROUND FIBER OPTIC CABLE ON EXACT LOCATION AND INSTALLATION PROCEDURES.
- (D) 2" UNDERGROUND TELEPHONE CONDUITS TO BE EXTENDED BY TELEPHONE COMPANY. CONTRACTOR TO PROVIDE & INSTALL CONDUIT. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH TELEPHONE COMPANY (AT&T) FOR EXACT LOCATIONS AND INSTALLATION OF UNDERGROUND TELEPHONE LINES
- (E) 3/4" PEX WATER SUPPLY LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC., WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH LOCAL JURISDICTION. MINIMUM 3' BURY DEPTH.
- (F) 3/4" PEX WATER LINE TO FREEZELESS YARD HYDRANT. MINIMUM 3' BURY DEPTH.
- (G) 3/4" WATER METER PIT
- (H) 3/4" TAPPING SLEEVE AND VALVE (NOT USED)
- (I) 3/4" ABOVE GROUND REDUCED PRESSURE ZONE BACKFLOW PREVENTION ASSEMBLY WITHIN HOT BOX WITH HEAT TAPE INSTALLED PER THE CITY OF CHAPEL HILL REQUIREMENTS. ENCLOSURE TO INCLUDE DRAIN PORT(S) WITH 12" OF DRAIN ROCKS BELOW ENCLOSURE.
- (J) 3/4" VALVE BOX WITH BALL VALVE

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Margaret Hooper  
2/2/2021

NO.	DATE	REVISIONS

CLIENT:

HARRIS TEETER

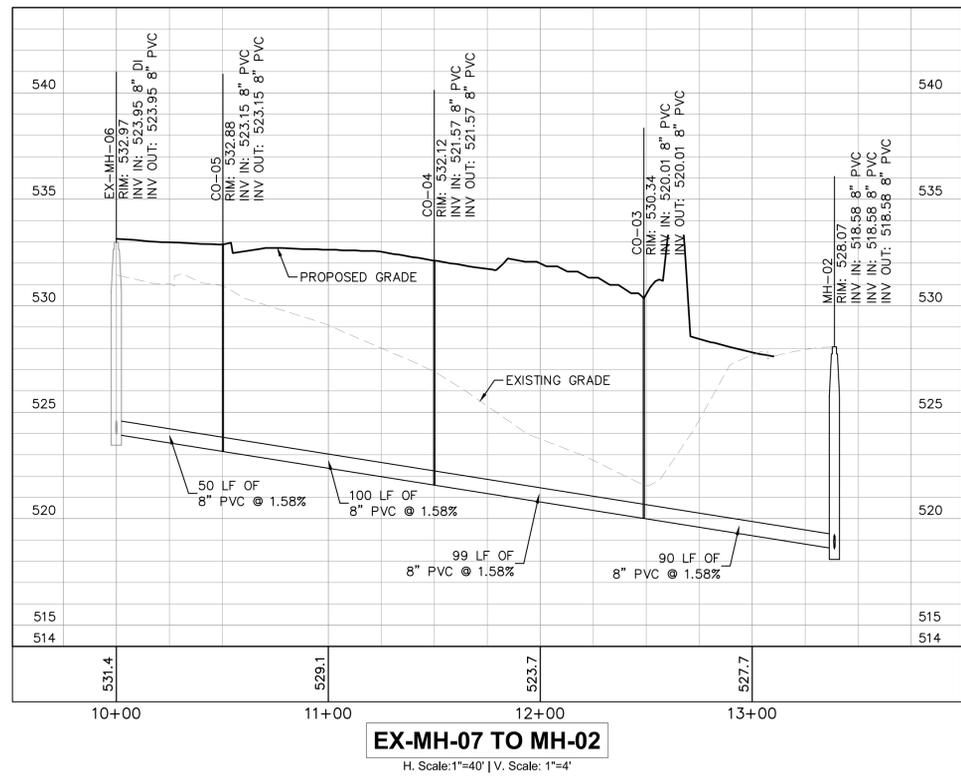
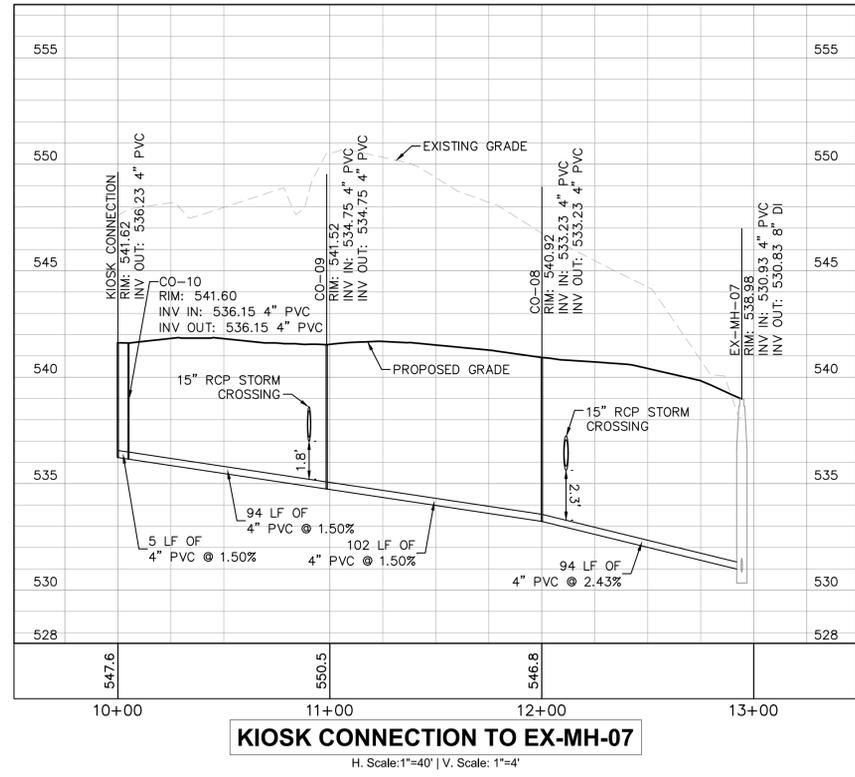
PROJECT: HARRIS TEETER FUEL CENTER & STORE EXPANSION  
 STORE #223  
 CHAPEL HILL, NORTH CAROLINA  
 1800 MARTIN LUTHER KING JR. BLD.  
 TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
 ORANGE COUNTY

TITLE: **UTILITY PLAN**

DESIGNED BY: ARS  
 DRAWN BY: ARS  
 CHECKED BY: MFJ  
 DATE: 02/02/2021  
 PROJECT#: 015640020

**C4-0**





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**PROFESSIONAL SEAL**  
 046983  
 MARGARET HOUSTON  
 ENGINEER  
 2/2/2021

NO.	DATE	REVISIONS

**HARRIS TEETER**

**PROJECT:**  
 HARRIS TEETER FUEL CENTER &  
 STORE EXPANSION  
 STORE #223  
 CHAPEL HILL, NORTH CAROLINA  
 1800 MARTIN LUTHER KING JR. BLVD.  
 TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
 ORANGE COUNTY

**TITLE:**  
 SANITARY SEWER  
 PROFILES

**DESIGNED BY:** ARS  
**DRAWN BY:** ARS  
**CHECKED BY:** MFJ  
**DATE:** 02/02/2021  
**PROJECT#:** 015640020

**C4-1**





February 02, 2021 - 6:44pm By: Megan Fitzsimmons

K:\CHL\_FRA\015640 Harris Teeter\020 Chapel Hill North, NC Fuel Center\02 - DWG\PlanSheets\C5-1 LANDSCAPE PLAN.dwg

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**SEAL**  
 046983  
**MARGARET HOUSTON**  
 PROFESSIONAL ENGINEER  
 Margaret Houston  
 2/2/2021

NO.	DATE	REVISIONS

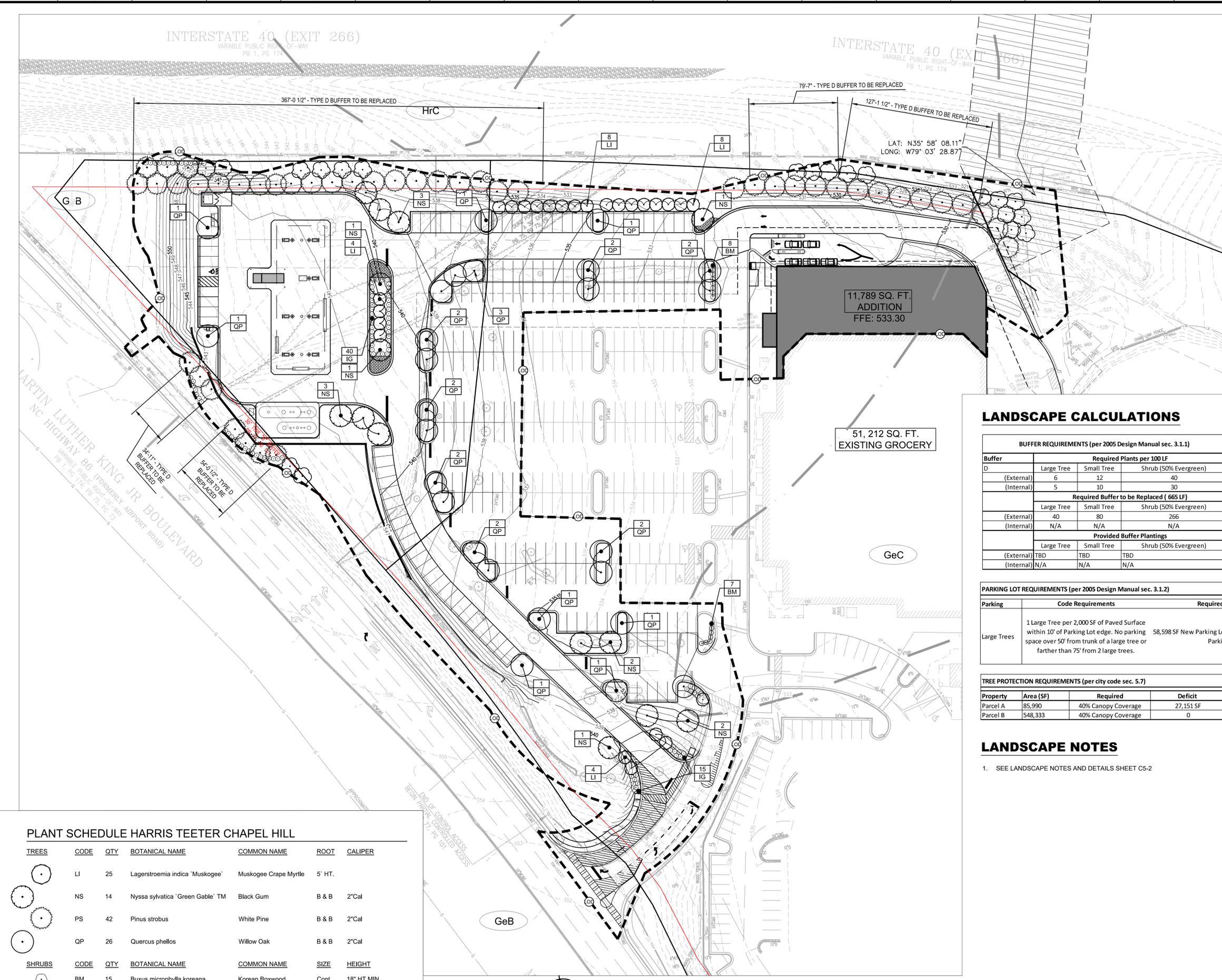
CLIENT:  **HARRIS TEETER**

PROJECT: **HARRIS TEETER FUEL CENTER & STORE EXPANSION**  
**STORE #223**  
**CHAPEL HILL, NORTH CAROLINA**  
 1800 MARTIN LUTHER KING JR. BLVD.  
 TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
 ORANGE COUNTY

TITLE: **LANDSCAPE PLAN**

DESIGNED BY: ARS  
 DRAWN BY: ARS  
 CHECKED BY: MFJ  
 DATE: 02/02/2021  
 PROJECT#: 015640020

**C5-1**



**LANDSCAPE CALCULATIONS**

**BUFFER REQUIREMENTS (per 2005 Design Manual sec. 3.1.1)**

Buffer	Required Plants per 100 LF		
	Large Tree	Small Tree	Shrub (50% Evergreen)
(External)	6	12	40
(Internal)	5	10	30

**Required Buffer to be Replaced ( 665 LF)**

Buffer	Large Tree	Small Tree	Shrub (50% Evergreen)
	(External)	40	80
(Internal)	N/A	N/A	N/A

**Provided Buffer Plantings**

Buffer	Large Tree	Small Tree	Shrub (50% Evergreen)
	(External)	TBD	TBD
(Internal)	N/A	N/A	N/A

**PARKING LOT REQUIREMENTS (per 2005 Design Manual sec. 3.1.2)**

Parking	Code Requirements	Required Tree Plantings	Provided
Large Trees	1 Large Tree per 2,000 SF of Paved Surface within 10' of Parking Lot edge. No parking space over 50' from trunk of a large tree or farther than 75' from 2 large trees.	58,598 SF New Parking Lot = 29 Large Trees within 10' of Parking Lot edge	33 Large Trees within 10' of Parking Lot Edge

**TREE PROTECTION REQUIREMENTS (per city code sec. 5.7)**

Property	Area (SF)	Required	Deficit	Trees Required (1 per 500 SF)	Provided
Parcel A	85,990	40% Canopy Coverage	27,151 SF	54	65
Parcel B	548,333	40% Canopy Coverage	0	N/A	N/A

**LANDSCAPE NOTES**

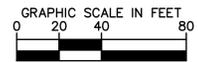
- SEE LANDSCAPE NOTES AND DETAILS SHEET C5-2

**PLANT SCHEDULE HARRIS TEETER CHAPEL HILL**

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT	CALIPER
	LI	25	Lagerstroemia indica 'Muskogee'	Muskogee Crape Myrtle	5' HT.	
	NS	14	Nyssa sylvatica 'Green Gable'™	Black Gum	B & B	2" Cal
	PS	42	Pinus strobus	White Pine	B & B	2" Cal
	QP	26	Quercus phellos	Willow Oak	B & B	2" Cal
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT
	BM	15	Buxus microphylla koreana	Korean Boxwood	Cont.	18" HT MIN.
	IG	63	Ilex glabra	Inkberry Holly	Cont.	18" HT MIN.



**LANDSCAPE PLAN**  
 SCALE: 1" = 40'



February 02, 2021 - 6:44pm By: Anthony LaRocca

LANDSCAPE NOTES

PLANT MATERIAL

- 1. MINIMUM TREE SIZE AT PLANTING IS 2.5" CALIPER AND 8' TALL FOR SINGLE-STEM TREES... 2. ALL NEW TREES MUST HAVE STRAIGHT TRUNKS WITH STRONG CENTRAL LEADERS INTACT TO THE TOP OF THE CROWN... 3. SIZE OF REQUIRED PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60.1... 4. ALL REQUIRED TREES OF A PARTICULAR SPECIES AND VARIETY SHALL BE UNIFORM IN SIZE AND CONFIGURATION.

PLANTING REQUIREMENTS

- 8. SEE DETAILS THIS SHEET FOR DETAILED TREE PLANTING REQUIREMENTS. 9. PLASTIC HOSE PARTS WILL NOT BE ACCEPTED FOR TREE STAKING. 10. ALL STRAPPING, AND TOP 1/3 OF WIRE BASKET AND BURLAP MUST BE CUT AWAY AND REMOVED FROM ROOT BALL WHEN PLANTING. 11. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS... 12. TREES PLANTED ON PUBLIC PROPERTY WILL NEED APPROVAL FROM THE TOWN ARBORIST..

UTILITY ISSUES

- 14. IF ANY UTILITY IS BEING INSTALLED IN OR NEAR ANY REQUIRED TREE(S) OR TREE SAVE AREA(S), CALL LANDSCAPE ARCHITECT SPECIALIST TO RESOLVE PRIOR TO UTILITY INSTALLATION. 15. LARGE MATURING TREES MAY NOT BE PLANTED WITHIN 25' OF OVERHEAD POWER DISTRIBUTION OR TRANSMISSION LINES. 16. IF TREES CONFLICT WITH ANY UTILITIES OR SIGNS, CALL URBAN FORESTER TO RESOLVE BEFORE PLANTING. 17. ADJUST TREE PLANTING LOCATIONS TO AVOID EXISTING UNDERGROUND UTILITIES. PLANT 15' FROM ALL UNDERGROUND UTILITIES.

TREE SAVE AND PRESERVATION

- 20. TREE PROTECTION MUST BE INSTALLED AND VERIFIED BY REVIEWING AGENCY PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY. 21. SHOW TREE PROTECTION AND TREES SAVE AREAS ON EROSION CONTROL, GRADING AND LANDSCAPE PLAN SHEETS. 23. TREE SAVE AREAS SHALL BE FREE OF INVASIVE PLANT SPECIES. IF AN AREA PROPOSED FOR TREE SAVE CONTAINS INVASIVE PLANT SPECIES AT TIME OF PROPOSAL, SUCH INVASIVE PLANT SPECIES SHALL BE REMOVED PRIOR TO FINAL CO. 25. ANY ALTERATIONS TO TREE SAVE AREAS MUST BE ACCOMPLISHED WITHOUT MECHANIZED EQUIPMENT. 27. ALL TREES ON PUBLIC PROPERTY ARE PROTECTED AND REMOVAL MUST BE PERMITTED BY THE REVIEWING AGENCY.

PLANT SCHEDULE NOTES:

- 1. ALL PLANT MATERIAL SHALL COMPLY WITH THE SIZING AND GRADING STANDARDS AS SET FORTH IN THE MOST CURRENT EDITION OF ANSI Z60.180 - AMERICAN STANDARD FOR NURSERY STOCK. 2. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE PROJECT LANDSCAPE ARCHITECT. 3. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE LANDSCAPE PLAN SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. 4. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO PLANT INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES INCURRED BY THEIR WORK. 5. ALL PLANT AND BED LINE LOCATIONS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. 6. ALL PLANTINGS SHALL BE INSTALLED WITH THE SPECIFIED LAYER OF TRIPPLE SHREDDED HARDWOOD MULCH. REFERENCE DETAILS AND SPECIFICATIONS FOR DEPTH AND TYPE OF MULCH 7. ALL PROPOSED TREES WITHIN SIGHT TRIANGLES TO BE LIMBED UP TO CLEAR SIGHT OBSTRUCTION. 8. ALL PLANTING PER CHAPEL HILL STANDARDS AND LANDSCAPE CONSTRUCTION STANDARDS.

SEEDBED PREPARATION NOTES:

- 1. GRADE SLOPES AND FILLS - THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES... 2. GROUND COVER - WHENEVER LAND DISTURBING ACTIVITY IS UNDERTAKEN ON A TRACT COMPRISING MORE THAN ONE (1) ACRE, IF MORE THAN ONE CONTIGUOUS ACRE IS UNCOVERED, A GROUND COVER SUFFICIENT TO RESTRAIN EROSION MUST BE PLANTED OR OTHERWISE PROVIDED WITHIN 15 WORKING DAYS OF COMPLETION OF ANY PHASE OF GRADING... 3. SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN. 4. LOOSE ROCKS, ROOTS, AND OTHER OBSTRUCTION SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE OF VEGETATION... 5. IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME ACCORDING TO SEEDING SPECIFICATIONS. (IF APPLICABLE) 6. IF SOIL TEST IS TAKEN, PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT. 7. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.

GENERAL NOTES:

- 1. PERMANENT STABILIZATION SHALL BE ESTABLISHED IN ALL UNPAVED AREAS ON-SITE OR OFF-SITE AS HATCHED ON THE LANDSCAPE PLAN. 2. SOIL SAMPLES SHALL BE TAKEN AT MULTIPLE AREAS ON-SITE PRIOR TO PLANTING TO CONFIRM PROPER SOIL AMENDMENTS. 3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ESTABLISH PERMANENT AND FINAL STABILIZATION ON THE ENTIRE SITE. THIS MAY REQUIRE WATERING, MOWING, RAKING, AND RE-SEEDING UNTIL PERMANENT STABILIZATION IS ESTABLISHED. 4. IN AREAS WHERE SEED IS USED FOR TEMPORARY STABILIZATION, THE TEMPORARY GRASS SHALL BE REMOVED PRIOR TO SODDING ACTIVITY. 5. ALL TREE SAVE AREAS LESS THAN 30' WIDE MUST BE STAKED PRIOR TO SITE PLAN SUBMITTAL.

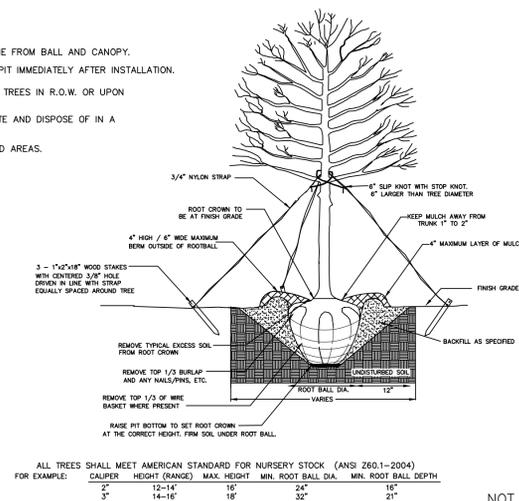
ATTENTION CONTRACTOR/LANDSCAPER

IT IS THE RESPONSIBILITY OF THE CONTRACTOR/LANDSCAPER TO NOTIFY THE LANDSCAPE ARCHITECT OF ANY SITE CONFLICTS THAT AFFECT TREE SPECIES OR LOCATIONS PRIOR TO PLANTING TREES. CALL LANDSCAPE ARCHITECT REGARDING SITE, SIGNS, OVERHEAD POWERLINES OR OTHER UTILITIES.

DETAIL 1

NOTES:

- 1. REMOVE WIRE AND NYLON TWINE FROM BALL AND CANOPY. 2. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION. 3. STAKING IS REQUIRED FOR ALL TREES IN R.O.W. OR UPON REQUEST OF ARBORIST. 4. REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER. 5. RESEED UNMULCHED, DISTURBED AREAS.



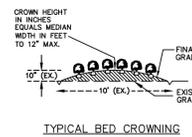
TREE PLANTING (FOR SINGLE AND MULTI-STEM TREES)

NOT TO SCALE

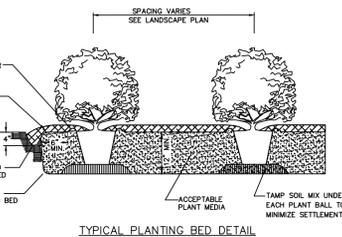
DETAIL 2

NOTES:

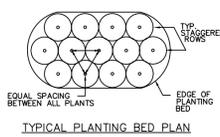
- 1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL. 2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE. 3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL. 4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT. 5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.



TYPICAL BED CROWNING



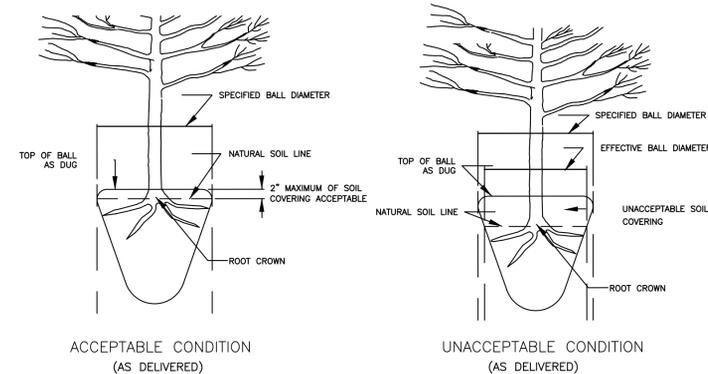
TYPICAL PLANTING BED DETAIL



TYPICAL PLANTING BED PLAN

SHRUB PLANTING BED

DETAIL 3



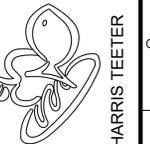
NOTE: A ROOT FLARE EXCAVATION FOR ALL TREES SPECIFIED WILL BE DONE BY THE CITY ARBORIST TO ENSURE THAT TREES WERE NOT PLANTED/GROWN TOO DEEPLY AT SOURCE (NURSERY). LANDSCAPE CONTRACTOR SHALL HAVE SUPPLIER MARK GROUND LEVEL LINE ABOVE ROOT BALL. IF CITY ARBORIST DETERMINES THAT THERE IS EXCESSIVE SOIL OVER THE ROOT CROWN, THESE TREES WILL BE REJECTED.

ROOT FLARE DEPTHS (TREE ROOT BALL CONDITION ON TREES FROM SUPPLIERS)

K:\CHL\_PRA\015640 Harris Teeter\0202 Chapel Hill North, NC Fuel Center\02 - DWS\PlanSheets\C5-2 LANDSCAPE DETAILS.dwg



Table with columns for NO., DATE, and REVISIONS.



HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER & STORE EXPANSION STORE #223 CHAPEL HILL, NORTH CAROLINA 1800 MARTIN LUTHER KING JR. BLVD. TOWN OF CHAPEL HILL, NORTH CAROLINA 27514 ORANGE COUNTY

LANDSCAPE NOTES & DETAILS

DESIGNED BY: ARS DRAWN BY: ARS CHECKED BY: MFJ DATE: 02/02/2021 PROJECT#: 015640020

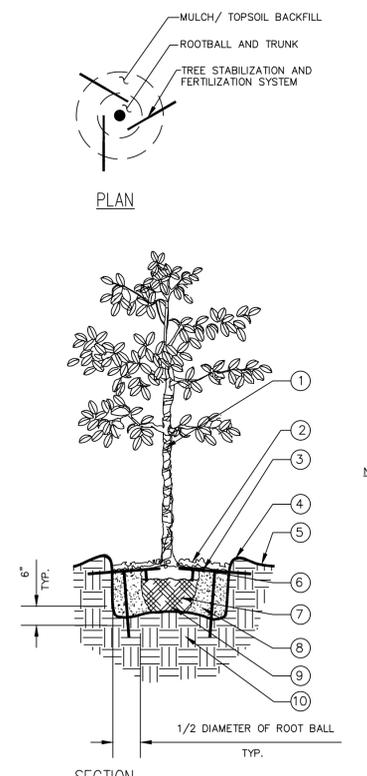


Know what's below. Call before you dig.

February 02, 2021 - 6:45pm By: Megan Fitzsimmons  
K:\CHL\_PRA\015640 Harris Teeter\020 Chapel Hill North, NC Fuel Center\02 - DWS\PlanSheets\C6-1 EROSION CONTROL AND LANDSCAPE DETAILS.dwg  
PROJECT: HARRIS TEETER FUEL CENTER & STORE EXPANSION STORE #223 CHAPEL HILL, NORTH CAROLINA 1800 MARTIN LUTHER KING JR. BLVD. TOWN OF CHAPEL HILL, NORTH CAROLINA 27514 ORANGE COUNTY

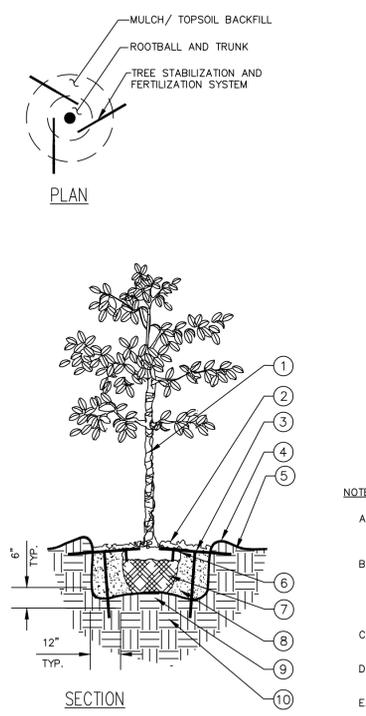
**LANDSCAPE NOTES:**

- ALL LANDSCAPED AREAS ARE TO RECEIVE 4" OF TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED PER EARTHWORK SPECIFICATIONS.
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN UNTIL FINAL ACCEPTANCE. CERTIFICATE OF OCCUPANCY, OR A MOVABLE STAND OF GRASS IS ACHIEVED, WHICHEVER IS LAST.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED OF ONE YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" (MOST CURRENT EDITION) REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL MULCH AREAS AROUND TREES (4' DIAMETER, TYP.) ARE TO BE COMPLETELY COVERED WITH MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
- LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS.
- LARGE MATURING TREES MAY NOT BE PLANTED WHERE OVERHEAD DISTRIBUTION OR TRANSMISSION LINES EXIST. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL THE OWNER TO RESOLVE BEFORE PLANTING.
- NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE PROJECT LANDSCAPE ARCHITECT.
- ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL PROPOSED TREES WITHIN SIGHT TRIANGLES AND ALONG ROADWAYS TO BE LIMBED UP TO CLEAR SIGHT OBSTRUCTION.
- ALL DISTURBED AREAS TO BE SODDED WITH A GRASS SPECIES THAT MATCHES THE ADJACENT GRASS OR FULLY LANDSCAPED.



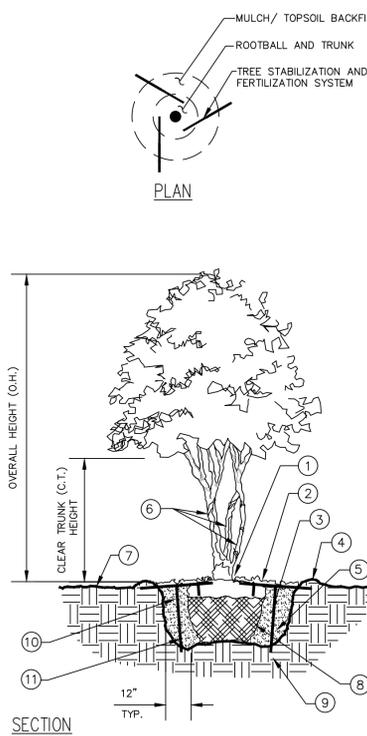
**LARGE TREE PLANTING**  
(14' OR GREATER) N.T.S.

03/05/12 LG TR PLNTG



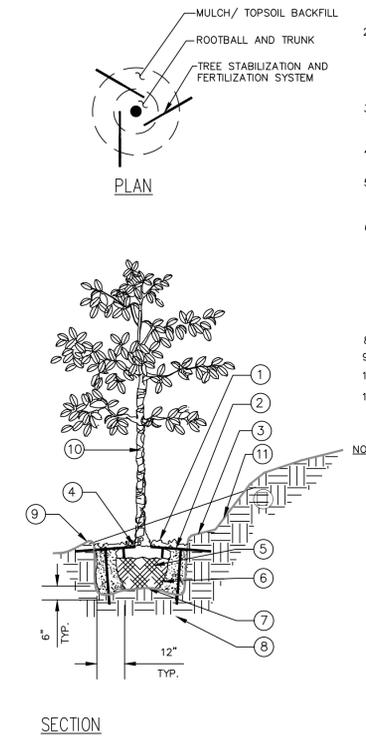
**SMALL TREE PLANTING**  
(14' OR LESS) N.T.S.

03/05/12 SM TR PLNTG



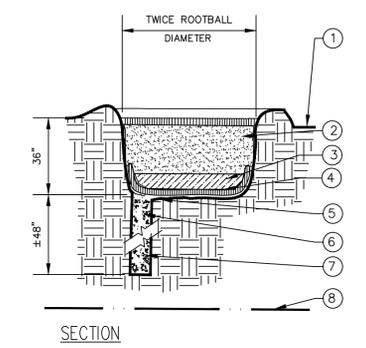
**MULTI-TRUNK TREE PLANTING**  
N.T.S.

03/05/12 MLT TRK PLNTG



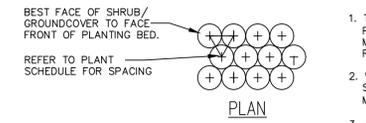
**TREE PLANTING ON SLOPE**  
N.T.S.

03/05/12 TR PLNTG SLP



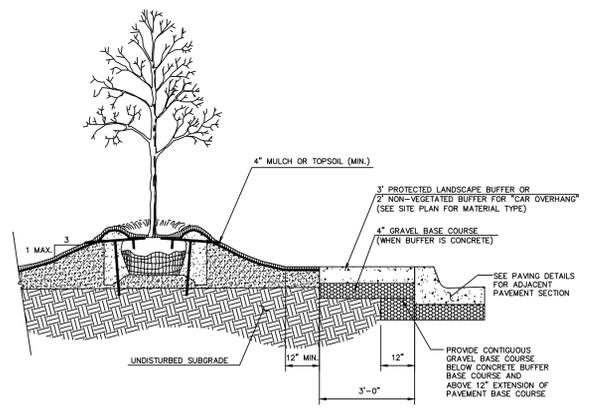
**POOR DRAINAGE CONDITION**  
N.T.S.

03/05/12 PR DRNG



**SHRUB/GROUNDCOVER PLANTING**  
N.T.S.

03/05/12 SHRB PLNTG



**LANDSCAPE BUFFER**  
N.T.S.

12/13/11

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**PROFESSIONAL ENGINEER**  
SEAL 046983  
MARGARET HOUSTON  
2/2/2021

NO.	DATE	REVISIONS

**HARRIS TEETER**

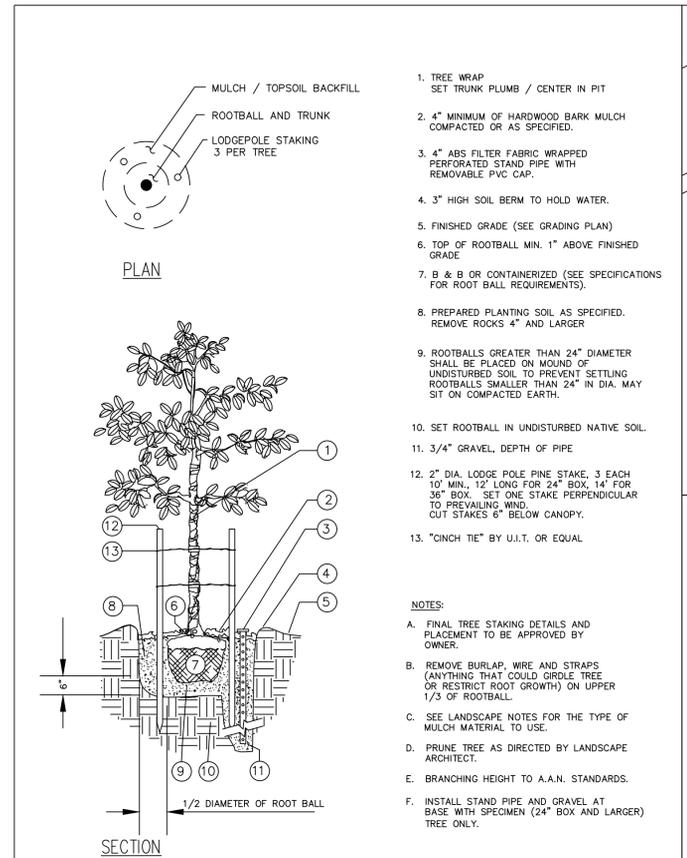
**HARRIS TEETER FUEL CENTER & STORE EXPANSION**  
STORE #223  
CHAPEL HILL, NORTH CAROLINA  
1800 MARTIN LUTHER KING JR. BLVD.  
TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
ORANGE COUNTY

**EROSION CONTROL AND LANDSCAPE DETAILS**

DESIGNED BY: ARS  
DRAWN BY: ARS  
CHECKED BY: MFJ  
DATE: 02/02/2021  
PROJECT#: 015640020

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

**C6-0**



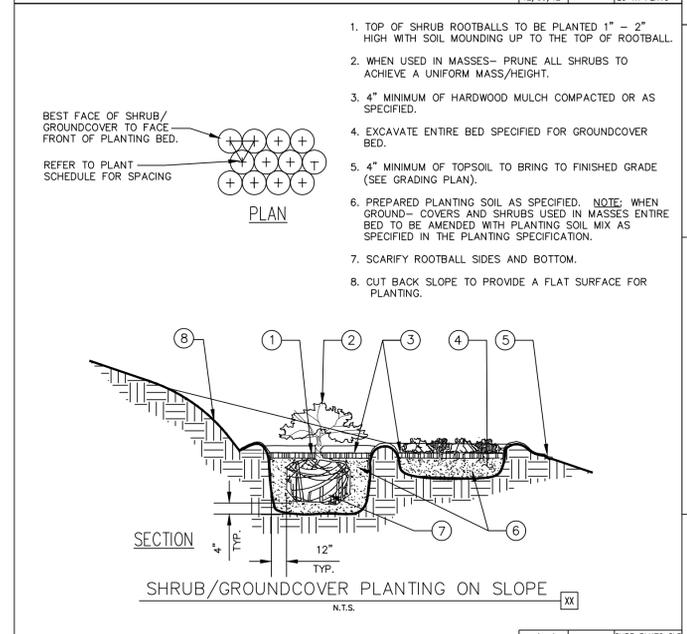
- PLAN**
- MULCH / TOPSOIL BACKFILL
  - ROOTBALL AND TRUNK
  - LOGPOLE STAKING 3 PER TREE

- TREE WRAP SET TRUNK PLUMB / CENTER IN PIT
- 4" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED.
- 4" ABS FILTER FABRIC WRAPPED PERFORATED STAND PIPE WITH REMOVABLE PVC CAP.
- 3" HIGH SOIL BERM TO HOLD WATER.
- FINISHED GRADE (SEE GRADING PLAN)
- TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE
- B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
- PREPARED PLANTING SOIL AS SPECIFIED. REMOVE ROCKS 4" AND LARGER
- ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
- SET ROOTBALL IN UNDISTURBED NATIVE SOIL.
- 3/4" GRAVEL, DEPTH OF PIPE
- 2" DIA. LOGPOLE PINE STAKE, 3 EACH 10' MIN., 12' LONG FOR 24" BOX, 14' FOR 36" BOX. SET ONE STAKE PERPENDICULAR TO PREVAILING WIND CUT STAKES 6" BELOW CANOPY.
- "CINCH TIE" BY U.I.T. OR EQUAL

- NOTES:**
- A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
  - B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
  - C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
  - D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT.
  - E. BRANCHING HEIGHT TO A.A.N. STANDARDS.
  - F. INSTALL STAND PIPE AND GRAVEL AT BASE WITH SPECIMEN (24" BOX AND LARGER) TREE ONLY.

CANOPY TREE PLANTING

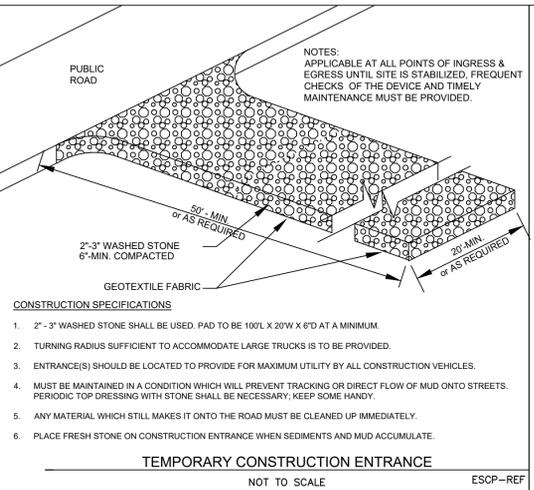
12/06/12 LG TR PLNTG



- TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
- WHEN USED IN MASSES- PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
- 4" MINIMUM OF HARDWOOD MULCH COMPACTED OR AS SPECIFIED.
- EXCAVATE ENTIRE BED SPECIFIED FOR GROUND COVER BED.
- 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
- PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED IN THE PLANTING SPECIFICATION.
- SCARIFY ROOTBALL SIDES AND BOTTOM.
- CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.

SHRUB/GROUNDCOVER PLANTING ON SLOPE

03/25/12 SHRUB PLNTG SL

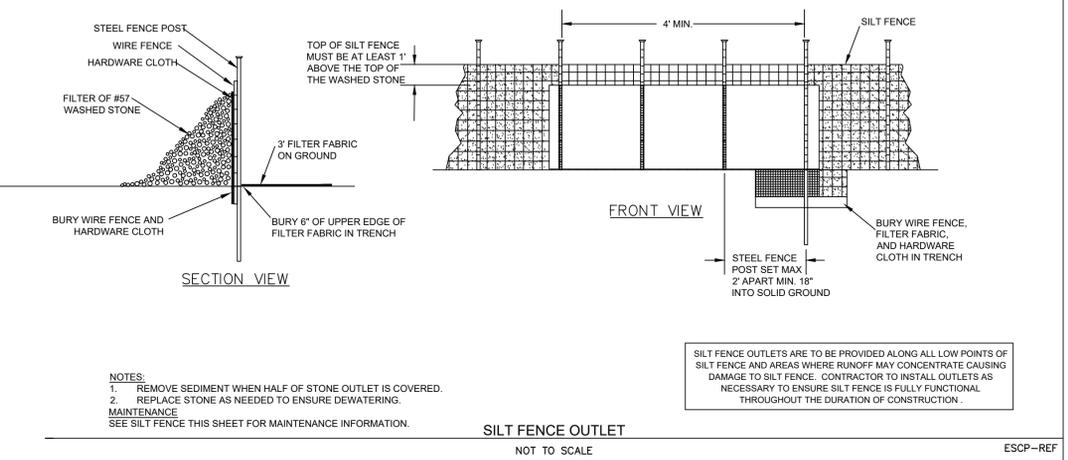


- CONSTRUCTION SPECIFICATIONS**
- 2" - 3" WASHED STONE SHALL BE USED. PAD TO BE 100' X 20' X 6" AT A MINIMUM.
  - TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
  - ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
  - MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOP DRESSING WITH STONE SHALL BE NECESSARY. KEEP SOME HANDY.
  - ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
  - PLACE FRESH STONE ON CONSTRUCTION ENTRANCE WHEN SEDIMENTS AND MUD ACCUMULATE.

TEMPORARY CONSTRUCTION ENTRANCE

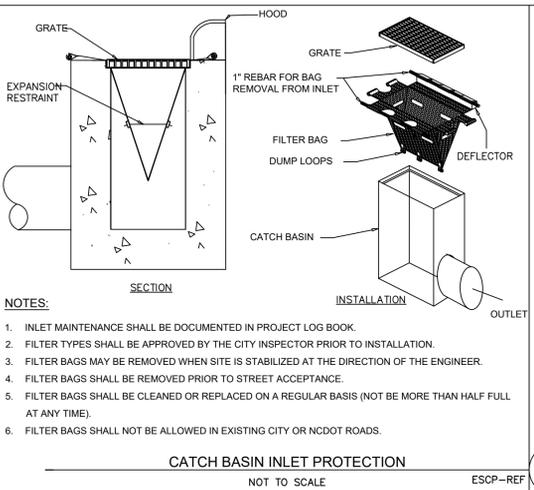
- CONSTRUCTION SPECIFICATIONS**
- MATERIALS**
- USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6413, WHICH IS SHOWN IN PART IN TABLE 6.02B. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120° F.
  - ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1/25 LB/LINEAR FT MINIMUM STEEL WITH A MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
  - FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.
- CONSTRUCTION**
- CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
  - ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)
  - CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL, CUT TO LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
  - SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
  - WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
  - EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
  - EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
  - PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
  - BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
  - DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.
- MAINTENANCE**
- INSPECT SYNTHETIC FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

TEMPORARY SILT FENCE



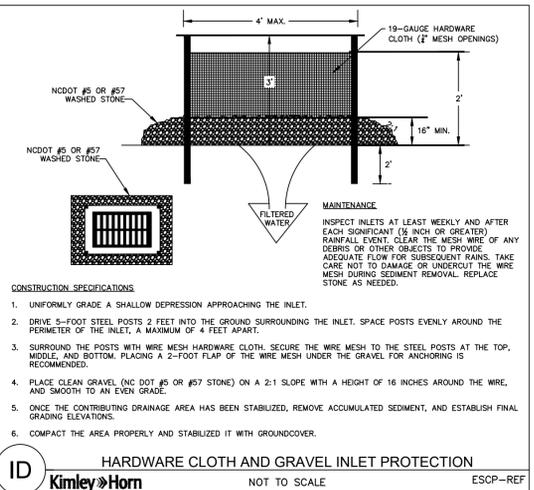
SILT FENCE OUTLET

- NOTES:**
- REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
  - REPLACE STONE AS NEEDED TO ENSURE DEWATERING.
- MAINTENANCE**
- SEE SILT FENCE THIS SHEET FOR MAINTENANCE INFORMATION.



CATCH BASIN INLET PROTECTION

- NOTES:**
- INLET MAINTENANCE SHALL BE DOCUMENTED IN PROJECT LOG BOOK.
  - FILTER TYPES SHALL BE APPROVED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.
  - FILTER BAGS MAY BE REMOVED WHEN SITE IS STABILIZED AT THE DIRECTION OF THE ENGINEER.
  - FILTER BAGS SHALL BE REMOVED PRIOR TO STREET ACCEPTANCE.
  - FILTER BAGS SHALL BE CLEANED OR REPLACED ON A REGULAR BASIS (NOT BE MORE THAN HALF FULL AT ANY TIME).
  - FILTER BAGS SHALL NOT BE ALLOWED IN EXISTING CITY OR NCDOT ROADS.



HARDWARE CLOTH AND GRAVEL INLET PROTECTION

- CONSTRUCTION SPECIFICATIONS**
- UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
  - DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
  - SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
  - PLACE CLEAN GRAVEL (NO DOT #5 OR #7 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
  - ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
  - COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUND COVER.
- MAINTENANCE**
- INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

**FOR LATE WINTER AND EARLY SPRING:**

**SEEDING MIXTURE:** RYE (GRAN) = 120 LB/ACRE ANNUAL LESPEDEZA (K08E) = 50 LB/ACRE (OFT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXCEED BEYOND JUNE)

**SEEDING DATES:** JAN. 1 - MAY 1

**FOR SUMMER:**

**SEEDING MIXTURE:** GERMAN MILLET = 40 LB/ACRE (A SMALL-STEMMED SUBGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE)

**SEEDING DATES:** MAY 1 - AUG. 15

**FOR FALL:**

**SEEDING MIXTURE:** RYE (GRAN) = 120 LB/ACRE

**SEEDING DATES:** AUG. 15 - DEC. 30

**SOIL AMENDMENTS:** FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER

**MULCH:** APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

**MAINTENANCE:** REPERFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**SOIL AMENDMENTS:** FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER

**MULCH:** APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

**MAINTENANCE:** REPAIR AND REPERFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE K08E LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

**FOR ADDITIONAL INFORMATION, REFER TO NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM), SECTION 6.10 FOR PERMANENT SEEDING SPECIFICATIONS, INCLUDING SEED BED PREP, SEASONAL LIMITATIONS FOR SEEDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIMESTONE, FERTILIZER, AND SEED. REFER TO NCDENR ESOPDM SECTION 6.11 AND THE CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS SECTION 04200 SEEDING AND SODDING OF TURFGRASS.**

**TEMPORARY SEEDING SCHEDULE (CHARMECK REGION)**

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 CHARLOTTE, NC 28202  
 PHONE: (704) 333-5131

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**PROFESSIONAL ENGINEER**  
 MARGARET HOUSTON  
 22/2021

NO.	DATE	REVISIONS

**CLIENT:** HARRIS TEETER

**PROJECT:** HARRIS TEETER FUEL CENTER & STORE EXPANSION STORE #223  
 CHAPEL HILL, NORTH CAROLINA  
 1800 MARTIN LUTHER KING JR. BLVD.  
 TOWN OF CHAPEL HILL, NORTH CAROLINA 27514  
 ORANGE COUNTY

**EROSION CONTROL AND LANDSCAPE DETAILS**

DESIGNED BY: ARS  
 DRAWN BY: ARS  
 CHECKED BY: MFJ  
 DATE: 02/02/2021  
 PROJECT#: 015640020

**C6-1**

