

DAVE & BUSTER'S - MAYFAIRE

CONSTRUCTION DOCUMENTS

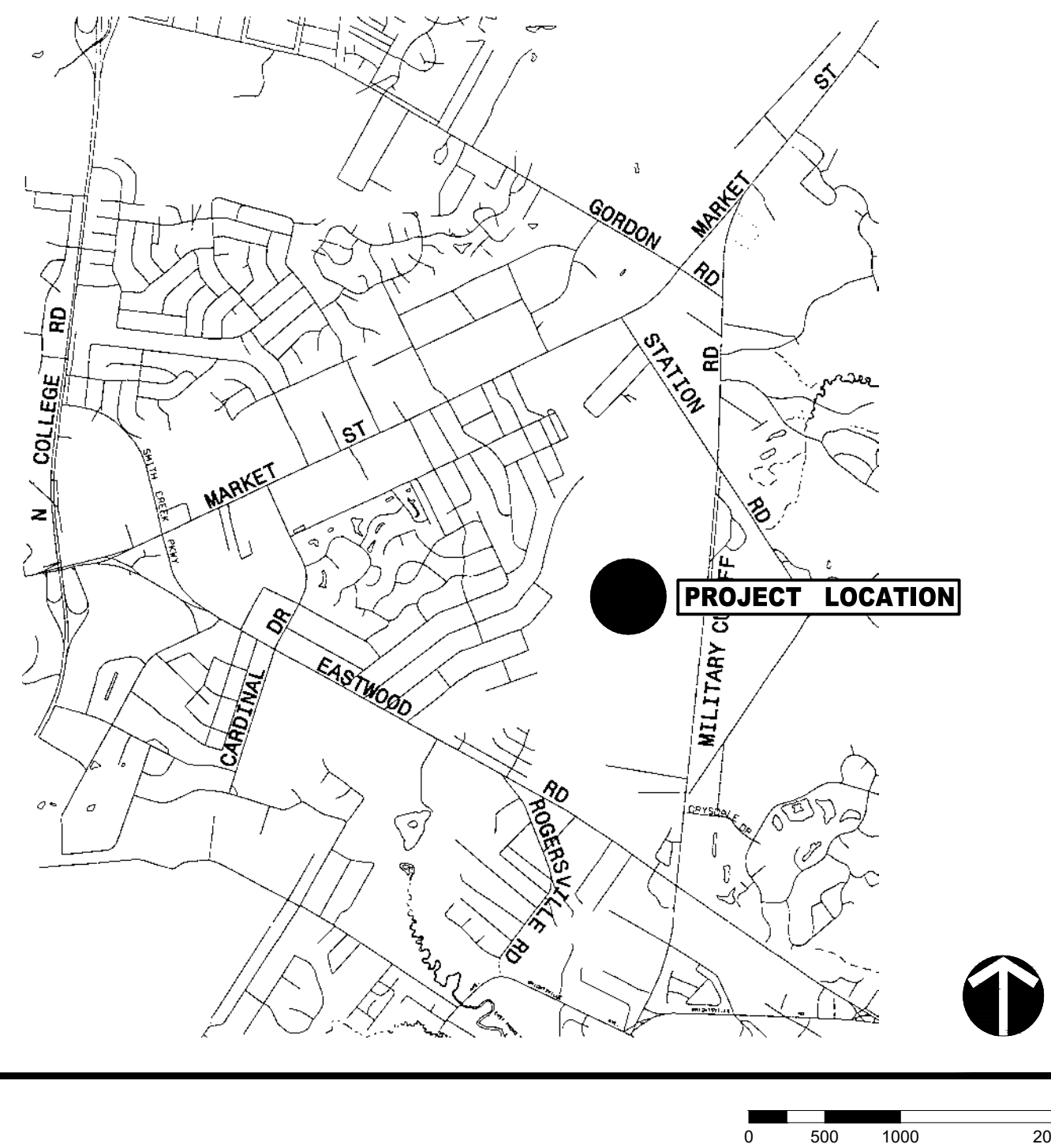
WILMINGTON, NC

DATE: 1/29/2024

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VICINITY MAP



PROJECT TEAM

OWNER

CBL PROPERTIES / MAYFAIRE TOWN CENTER LP
2030 HAMILTON PLACE BLVD., SUITE 500
CHATTANOOGA, TN 37421

LANDSCAPE ARCHITECT

LANDDESIGN
223 NORTH GRAHAM STREET
CHARLOTTE, NC 28202
704.333.0325
CONTACT NAME: M. RHETT CROCKER, PLA

CIVIL ENGINEER

LANDDESIGN
223 NORTH GRAHAM STREET
CHARLOTTE, NC 28202
704.333.0325
CONTACT NAME: ALYSSA M. MONIACI, PE

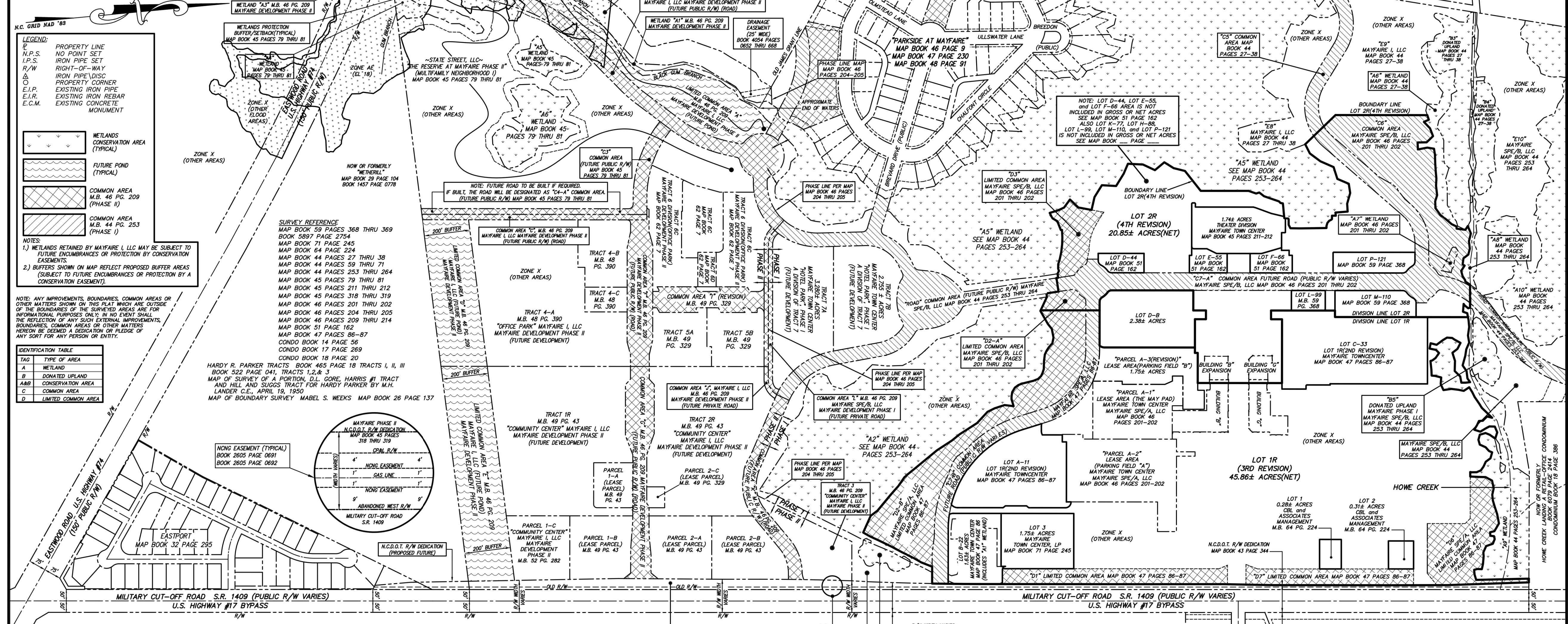
DAVE & BUSTER'S
- MAYFAIRE
LD PN 1023073

COVER SHEET

C0-00

LandDesign.

Table with 2 columns: CURVE BEARING, CURVE CHORD, CURVE ANGLE, CURVE RADIUS. Contains 22 rows of curve data.



MAP FOR RECORD (COVER SHEET) SHEET 1 OF 2
MAYFAIRE TOWN CENTER
LOT 1R(3rd REVISION) and LOT 2R(4th REVISION)
LOT D-B 2.38± ACRES and PARCEL A-3(REVISION) LEASE AREA (PARKING FIELD "B")
WILMINGTON TOWNSHIP NEW HANOVER COUNTY
OWNER: MAYFAIRE TOWN CENTER, LP
CONTACT: 8835 CONSERVATION WAY, WILMINGTON, NC 28405
OFFICE: (910)256-5131
MICHAEL UNDERWOOD and ASSOCIATES, PA
102 CINEMA DRIVE, SUITE A
WILMINGTON, NC 28403
PHONE: 910-815-0650
FAX: 910-815-0393
E-MAIL: muo@lucr.com
SURVEYED: D.C. APPROVED: M.N.U.
DRAWN BY: W.C. DATE: NOV. 2023
CHECKED BY: M.N.U. SCALE: 1" = 200'

NOTES:
1.) THE PREMISES SURVEYED IS ZONE "MX"(MIXED USE) CALL CITY OF WILMINGTON PLANNING DEPARTMENT (910)254-0800.
2.) N.C. GRID MONUMENTS WITHIN 200' OF THIS SITE ARE DESTROYED. THE SUBJECT PROPERTY "DOES NOT" LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "X"(OTHER AREAS) BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). ON FLOOD INSURANCE RATE MAP NO. 3320D158001K, WITH AN EFFECTIVE DATE OF IDENTIFICATION OF AUGUST 28, 2018, FOR COMMUNITY NO. 33021. PARCEL M, 3358, AND SURVEY LETTER 16 IN CITY OF WILMINGTON STATE OF NORTH CAROLINA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED.
3.) SEWER SERVICES PROVIDED BY CAPE FEAR PUBLIC UTILITY AUTHORITY.
4.) WATER SERVICES PROVIDED BY CAPE FEAR PUBLIC UTILITY AUTHORITY.
5.) AREA CALCULATED BY COORDINATE METHOD.

CERTIFICATE OF APPROVAL BY THE CITY OF WILMINGTON SUBDIVISION REVIEW BOARD
DATE: _____
OFFICER OF NEW HANOVER COUNTY, REVIEW OFFICER OF THE CITY OF WILMINGTON, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.
MAP REVIEW OFFICER: _____
DATE: _____

CERTIFICATE OF APPROVAL BY THE CAPE FEAR PUBLIC UTILITY AUTHORITY
DATE: _____
OFFICER FOR THE CAPE FEAR PUBLIC UTILITY AUTHORITY, REVIEW OFFICER FOR THE CITY OF WILMINGTON, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL AUTHORITY STANDARDS AND REQUIREMENTS FOR THE PUBLIC UTILITIES AS SET FORTH BY ORDINANCES. WITH THE RECORDATION OF THIS PLAT, DEEDS AND RECORDS OF THE PUBLIC UTILITY AUTHORITY ACCEPTS THE OWNER'S OFFER OF DEDICATION FOR THE PUBLIC WATER AND/OR SEWER PURPOSES. ALL EASEMENTS, COMMON AREAS AND/OR RIGHTS OF WAY SHOWN ON THE PLAT AS DEDICATED FOR PUBLIC UTILITY PURPOSES. APPROVAL OF THIS PLAT DOES NOT GUARANTEE THE AVAILABILITY OF WATER AND SEWER SERVICES FROM THE CAPE FEAR PUBLIC UTILITY AUTHORITY.
CHAIRMAN, SUBDIVISION REVIEW BOARD: _____
DATE: _____

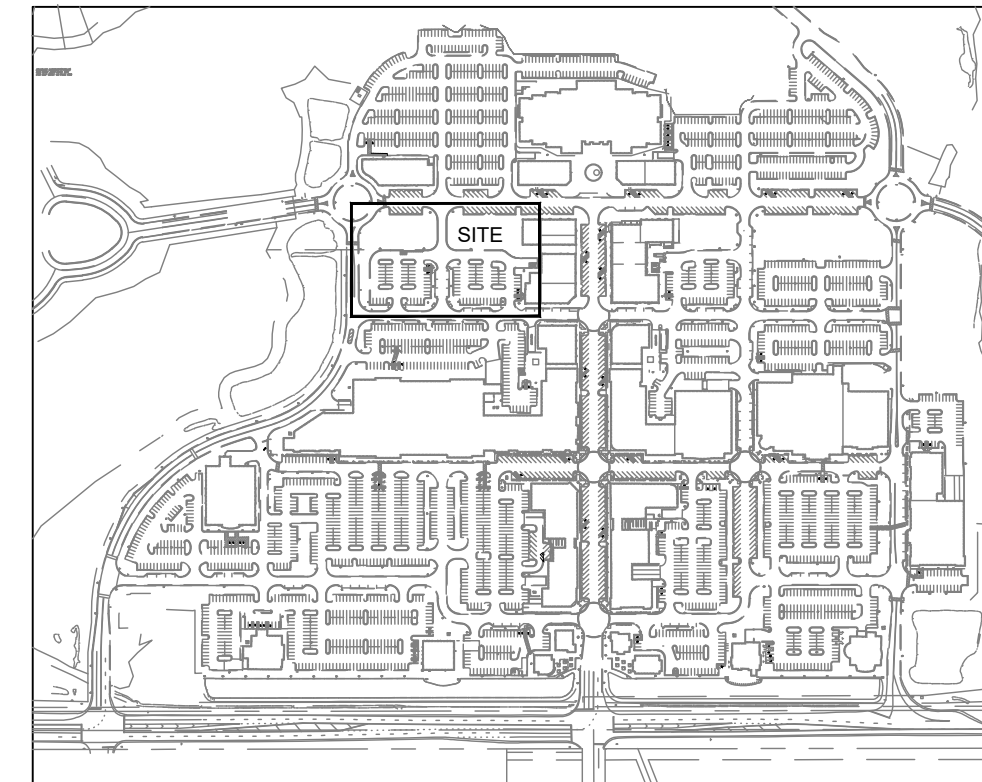
CERTIFICATE OF OWNERSHIP AND DEDICATION
DATE: _____
I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY ACCEPT THIS COMBINATION OF EXISTING PARCELS OF LAND WITH MY (OUR) OWN FREE CONSENT; ESTABLISH MINIMUM SETBACK LINES; AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS AND OTHER SITES TO PUBLIC OR PRIVATE USE AS NOTED. I (WE) HEREBY DEDICATE EASEMENTS TO THE CAPE FEAR PUBLIC UTILITY AUTHORITY OVER ALL PRIVATE STREETS FOR WATER AND SEWER AND APPURTENANCES. FURTHER, I (WE) CERTIFY THE LAND AS SHOWN HEREIN IS WITHIN THE PLATING JURISDICTION OF THE CITY OF WILMINGTON, NORTH CAROLINA.
SIGNATURE OF OWNER: _____ DATE: _____

CERTIFICATE OF DISCLOSURE
DATE: _____
CITY OF WILMINGTON FLOODPLAIN MANAGEMENT REGULATIONS
I (WE) HEREBY CERTIFY THAT PRIOR TO ENTERING ANY AGREEMENT OR ANY CONVEYANCE WITH A PROSPECTIVE BUYER, I (WE) SHALL PREPARE AND SIGN, AND THE BUYER OF THE SUBJECT REAL ESTATE SHALL RECEIVE AND SIGN, A STATEMENT WHICH FULLY AND ACCURATELY DISCLOSES THAT THE SUBJECT REAL ESTATE, OR A PORTION OF THE SUBJECT REAL ESTATE, IS LOCATED WITHIN A FLOOD HAZARD AREA AND THAT THE BUYER MUST SATISFY THE REQUIREMENTS OF THE CITY OF WILMINGTON FLOODPLAIN MANAGEMENT REGULATIONS PRIOR TO THE ISSUANCE OF BUILDING PERMITS.
DATE: _____ SIGNATURE OF OWNER(S): _____

CERTIFICATE OF REGISTRATION
DATE: _____
NORTH CAROLINA, NEW HANOVER COUNTY FILED FOR REGISTRATION ON _____ DAY OF _____ (AM/PM) AND DULY RECORDED IN MAP BOOK _____ AT PAGE _____
MICHAEL N. UNDERWOOD, P.L.S. L-2962

CERTIFICATE OF SURVEY AND ACCURACY
DATE: 11/27/23
I, MICHAEL N. UNDERWOOD, CERTIFY THAT THIS SURVEY WAS DRAWN UNDER MY SUPERVISION AND THAT THE SURVEY MADE UNDER MY SUPERVISION IS ACCURATE AND THAT I AM A LICENSED PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA. I HEREBY CERTIFY THAT THE SURVEY WAS MADE UNDER MY SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA. I HEREBY CERTIFY THAT THE SURVEY WAS MADE UNDER MY SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA.
DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK
SCALE: _____ NORTH
VERT: N/A
HORZ: N/A
SHEET TITLE: PLAT
SHEET NUMBER: C0-02

VICINITY MAP NO SCALE
PRELIMINARY - FOR REVIEW ONLY -
THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSE. THEY ARE PREPARED BY, OR UNDER THE SUPERVISION OF:
Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE



SITE LOCATION MAP N.T.S.

KEY MAP

DEMOLITION NOTES:

1. ALL ITEMS IN BOLD PRINT ARE TO BE DEMOLISHED OR REMOVED AS INDICATED ON THIS PLAN SHEET AND SHALL BE EXCAVATED ACCORDING TO THE GRADING PLAN.
2. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANAGE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, DRIVEWAYS, SLABS, CURBS, FENCES, UTILITY POLES, SIGNS, ETC. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS.
3. CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL NECESSARY PERMITS FROM LOCAL AND STATE AUTHORITIES TO COMPLETE THE WORK.
4. LOCATION OF UNDERGROUND UTILITIES AND PIPELINES SHOWN WITHIN PLANS ARE APPROXIMATE AND SOME UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THIS PLAN. THEREFORE, ACCURATE LOCATING IS REQUIRED. IF ANY ADDITIONAL UTILITIES OR UNDERGROUND FEATURES ARE IDENTIFIED DURING DEMOLITION WORK, CONTRACTOR SHALL IMMEDIATELY NOTIFY TIMMONS GROUP AT (910) 745-1144.
5. EXISTING UTILITIES TO BE REMOVED SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES. ALL INLET GRATES, MANHOLES, VALVES, AND HYDRANTS THAT ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY DEMOLITION ACTIVITIES.
6. CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, PARKING LOTS, AND ALL OTHER PUBLIC RIGHT-OF-WAYS IN A CLEAN, SAFE, AND USABLE CONDITION, AND REMOVE DEBRIS AND LITTER ON A DAILY BASIS WHILE DEMOLITION IS IN PROGRESS. PEDESTRIAN AND VEHICLE SAFETY MUST BE MAINTAINED DURING ALL DEMOLITION ACTIVITIES.
7. THE CONTRACTOR SHALL ENSURE THE SITE IS LEFT IN A CLEAN MANNER UPON COMPLETION OF DEMOLITION ACTIVITIES AND PRIOR TO NEW CONSTRUCTION ACTIVITIES. THERE SHALL NOT BE ANY DEBRIS, LITTER, OR OTHER DEMOLITION RELATED WASTE LEFT ON THE PROPERTY.
8. CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, PARKING LOTS, AND ALL OTHER PUBLIC RIGHT-OF-WAYS IN A CLEAN, SAFE, AND USABLE CONDITION, AND REMOVE DEBRIS AND LITTER ON A DAILY BASIS WHILE DEMOLITION IS IN PROGRESS. PEDESTRIAN AND VEHICLE SAFETY MUST BE MAINTAINED DURING ALL DEMOLITION ACTIVITIES.
9. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGN FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, DELAY, INJURY OR DEATH ARISING FROM THE PRESENCE OF HAZARDOUS MATERIAL AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIMS MADE IN CONNECTION THEREWITH. MOREOVER, THE ENGINEER SHALL HAVE NO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH REGARD TO ANY CONTRACTOR AMENDMENT INVOLVING THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZARDOUS MATERIALS.
10. ALL EXISTING UTILITIES SHALL BE PROTECTED DURING PROPOSED CLEARING, DEMOLITION AND CONSTRUCTION AND ADEQUATE COVER SHALL BE MAINTAINED OVER ALL SANITARY SEWER MAINS AND WATER MAINS IN ACCORDANCE WITH LOCAL UTILITY DEPARTMENT STANDARDS.
11. EXISTING TREES THAT ARE PROPOSED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION OF SITE.

**PRELIMINARY
-FOR REVIEW ONLY-**

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

PROJECT

**DAVE & BUSTER'S
- MAYFAIRE**

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

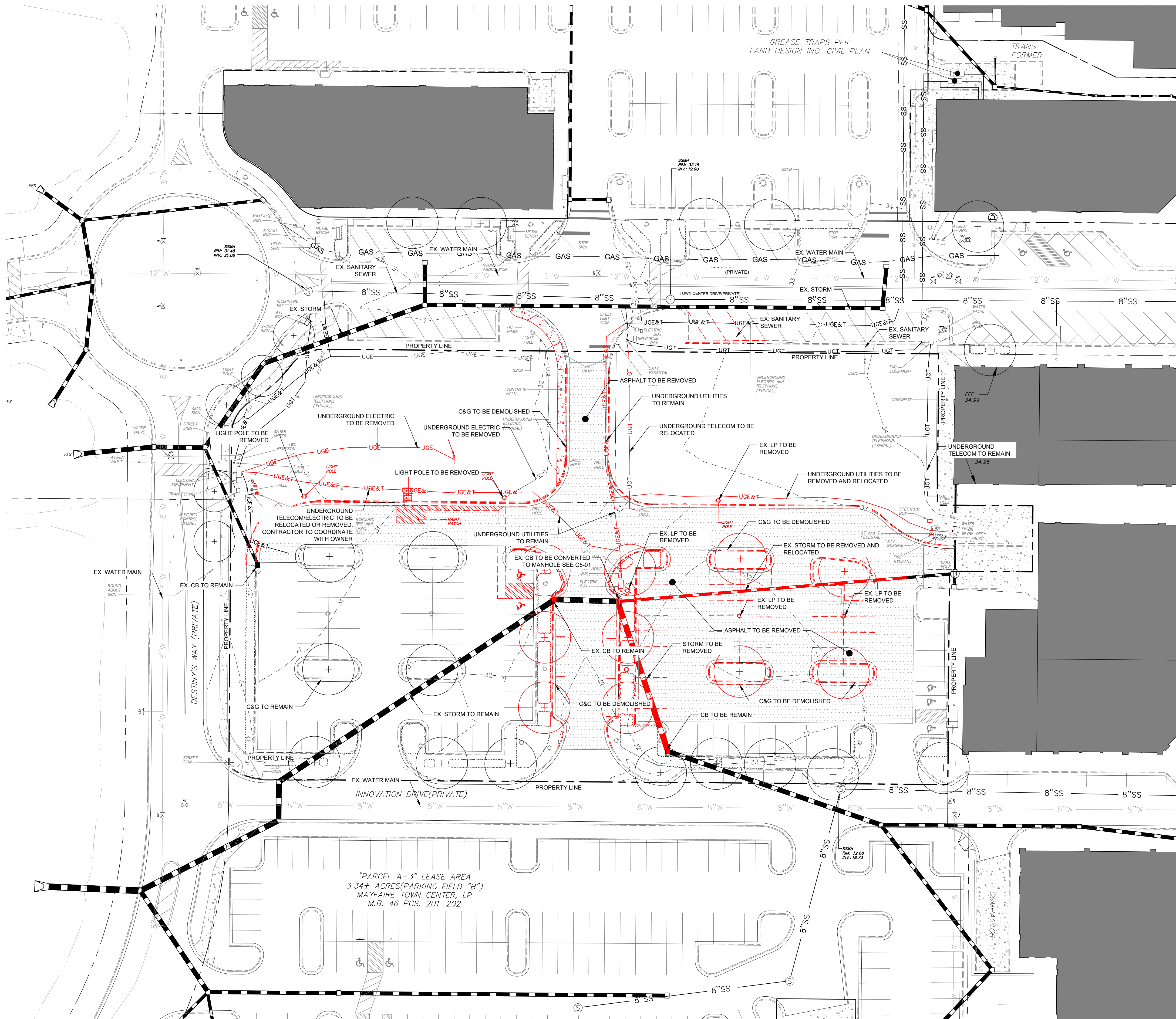
VERT: N/A
HORZ: 1"=30'

SHEET TITLE

DEMOLITION PLAN

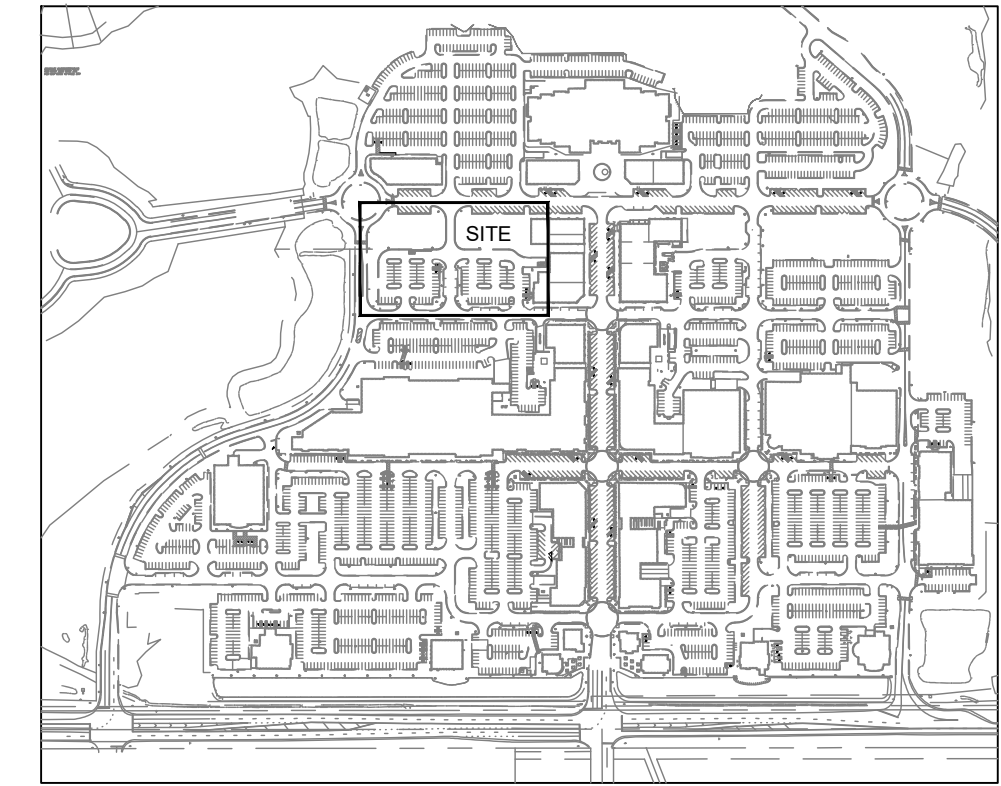
SHEET NUMBER

C1-00



CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____



SITE LOCATION MAP

N.T.S.

LEGEND:

	EX. SURVEY CONTOUR
	EX. LOT LINE
	PROP. GRADE MAJOR
	PROP. GRADE MINOR
	EX. CURB TO BE REMOVED
	PROP. STORM DRAINAGE
	PROP. SILT FENCE
	PROP. DENUDE AREA (2.73 AC)
	PROP. CONSTRUCTION FENCE
	PROP. INLET PROTECTION
	PROP. CONSTRUCTION ENTRANCE
	EX. PAVEMENT TO BE REMOVED

CONSTRUCTION SEQUENCE PHASE I:

- OBTAIN GRADING PERMIT AND ALL OTHER APPLICABLE PERMITS PRIOR TO ANY LAND DISTURBING ACTIVITY.
- FLAG THE CONSTRUCTION LIMITS AND MARK ANY TREES, WETLANDS, OR EXISTING STRUCTURES TO REMAIN.
- SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER. ALL CONTRACTORS FOR LAND DISTURBANCE AND/OR EROSION CONTROL, AND EROSION CONTROL AUTHORITY PERSONNEL TO DISCUSS THE PROJECT AND THE EROSION CONTROL PLAN.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCES, CONSTRUCTION FENCE, AND SILT FENCE. TIRE WASH MAY BE REQUIRED IF CONSTRUCTION ENTRANCE IS NOT SUFFICIENT TO RETAIN SOIL. SUB-CONTRACTOR TO BLOCK ALL POSSIBLE ENTRANCES TO SITE BESIDES APPROVED CONSTRUCTION ENTRANCE W/ FENCING AND ORANGE BARRELS.
- INSTALL INLET PROTECTION TO ALL EXISTING INLETS AS NOTED ON PLANS.
- INSTALL WASHOUT AREAS.
- CONTRACTOR SHALL ENSURE THAT EROSION CONTROL MEASURES ARE IN PLACE AND FUNCTIONING PRIOR TO DEMOLITION, GRUBBING, AND GRADING OPERATIONS.
- BEGIN GRADING AND DEMOLITION, INSTALLING ADDITIONAL EROSION CONTROL MEASURES AS INDICATED, AS REQUIRED, AND AS DEEMED NECESSARY BY THE EROSION CONTROL INSPECTOR.
- INSTALL UTILITIES AND DRAINAGE SYSTEMS, DEMOLITION AND REPAIR PAVEMENT, CURBS, AND GUTTER AS NEEDED TO INSTALL THESE SYSTEMS. REFER TO DEMOLITION PLAN FOR MORE INFORMATION.
- ALL EROSION CONTROL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER 0.5" RAIN EVENT. IF ANY FAILURES ARE FOUND THEY SHOULD BE REPAIRED AS SOON AS POSSIBLE.
- STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDE AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. ALL AREAS ARE TO BE STABILIZED WITHIN 14 DAYS.
- NO DEVICE SHALL BE REMOVED UNTIL SITE IS STABILIZED.
- ANY DEWATERING DISCHARGES WILL BE DONE OUTSIDE AND AWAY FROM ANY WETLANDS. DISCHARGE LOCATIONS SHALL BE DIRECTED TO STABILIZED UPLAND NATURAL GROUND AREAS. ALL DISCHARGE WILL INFILTRATE INTO THE SOIL. ASSURE DRAINAGE HAS OVERLAND FLOW OVER GRASSY AREAS PRIOR TO CATCHMENT.
- NEW HANOVER COUNTY ENGINEERING:
230 MARKET PLACE DRIVE - SUITE 160
WILMINGTON, N.C. 28403
TEL: (910) 798-7139
CONTACT: BETH EASLEY-WETHERILL

MAINTENANCE PLAN:

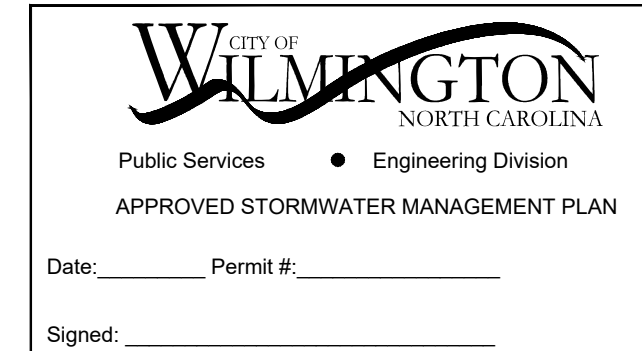
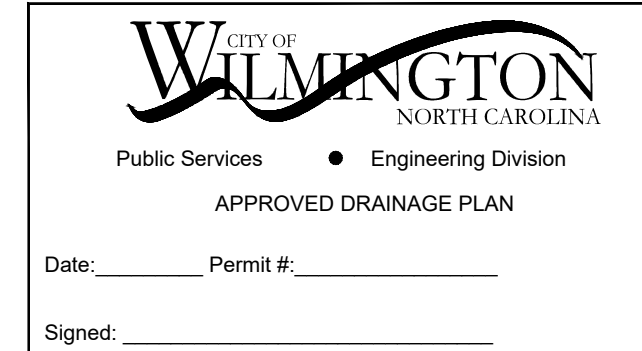
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOPDRESSED WITH AND ADDITIONAL TWO (2) INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE, WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- HARDWARE CLOTH AND ROCK INLET PROTECTION SHOULD BE MAINTAINED WHEN HALF FULL OF SEDIMENT OR THE STONE NO LONGER DRAINS AS DESIGNED.
- SILT SACKS MUST BE CLEANED WEEKLY AND AFTER EVERY RAIN EVENT.

SOILS:

- W - WRIGHTSBORO FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
- Le - LEON SAND

COORDINATES: 34.2441, -77.8311

DENUDE AREA= 2.73 AC



BEFORE YOU DIG!
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW!

KEY MAP

SEAL

PRELIMINARY - FOR REVIEW ONLY -

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG.# DATE

PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

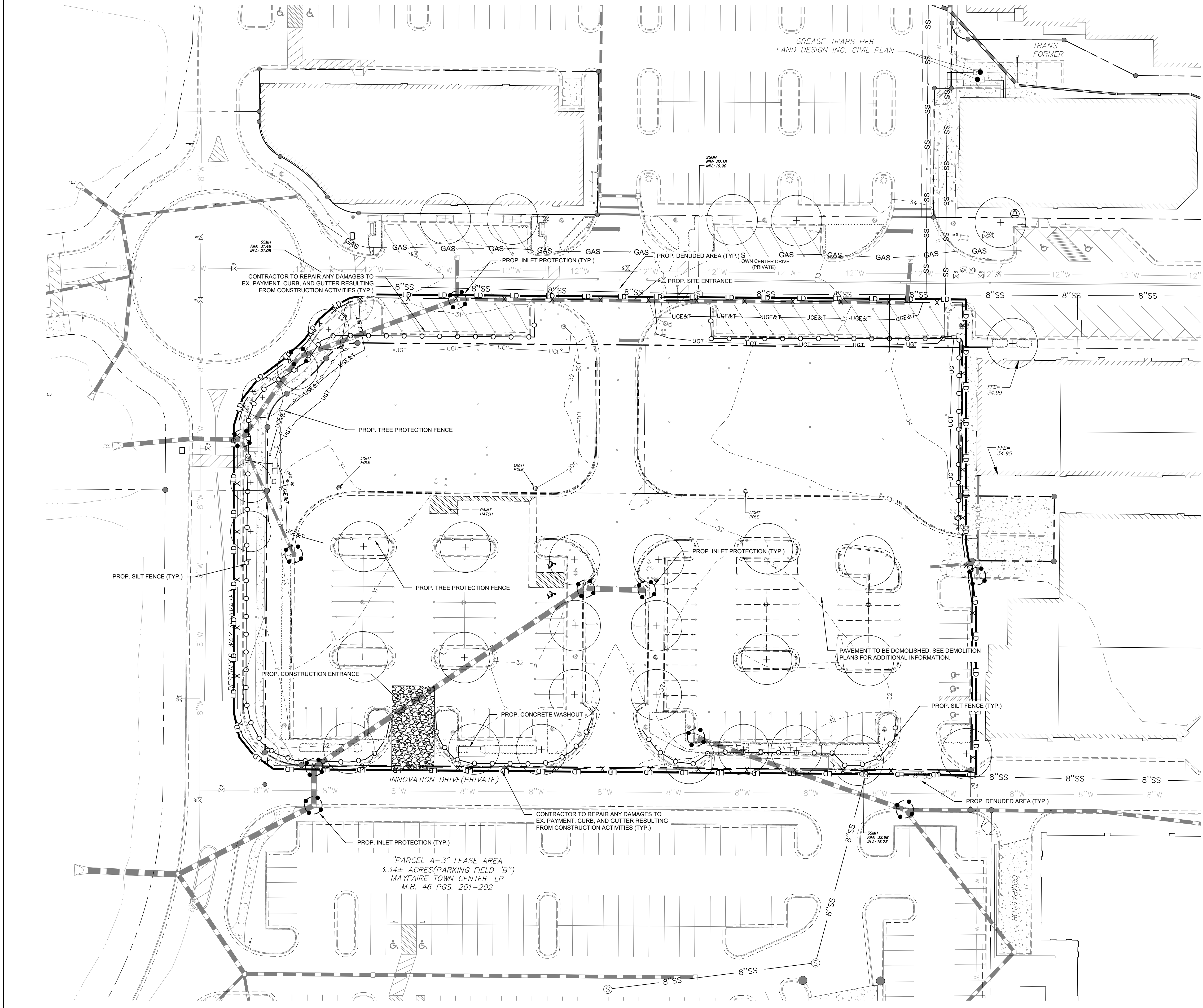
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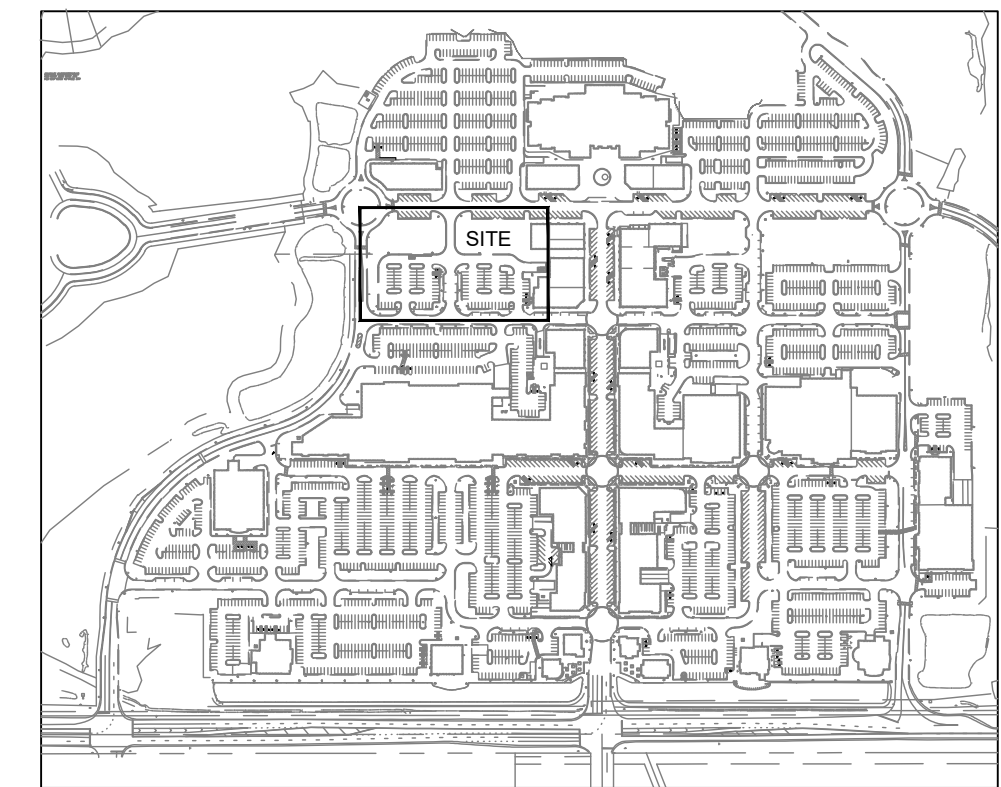
SHEET TITLE

EROSION CONTROL PHASE I

SHEET NUMBER

C2-00





SITE LOCATION MAP N.T.S.

LEGEND:

	EX. SURVEY CONTOUR
	EX. LOT LINE
	PROP. GRADE MAJOR
	PROP. GRADE MINOR
	EX. CURB TO BE REMOVED
	PROP. STORM DRAINAGE
	PROP. SILT FENCE
	PROP. DENUDED AREA (2.73 AC)
	PROP. CONSTRUCTION FENCE
	PROP. INLET PROTECTION
	PROP. CONSTRUCTION ENTRANCE
	EX. PAVEMENT TO BE REMOVED

CONSTRUCTION SEQUENCE PHASE II:

1. THE CONTRACTOR SHALL ADJUST EROSION CONTROL MEASURES AND STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
2. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. ALL SLOPES MUST BE SEED AND MULCHED WITHIN 14 DAYS OF INACTIVITY. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
3. INSTALL NEW AND REPLACE DAMAGED CURB AND GUTTER.
4. REMOVE CONSTRUCTION ENTRANCE PRIOR TO BUILDING CONSTRUCTION.
5. BEGIN PAVING OPERATIONS.
7. UPON COMPLETION OF PAVING OPERATIONS, CONTRACTOR TO COMPLETE LANDSCAPING SCOPE OF WORK.
8. UPON COMPLETION OF SITE CONSTRUCTION, CONTRACTOR TO COMPLETE SIGNAGE AND STRIPING OPERATIONS AS WELL AS REMOVE ANY EROSION CONTROL DEVICES THAT REMAIN ON AND OFF SITE.
9. COORDINATE WITH THE APPROVED ON-SITE INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.
10. ALL EROSION CONTROL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER 0.5" RAIN EVENT. IF ANY FAILURES ARE FOUND THEY SHOULD BE REPAIRED AS SOON AS POSSIBLE.
11. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. ALL AREAS ARE TO BE STABILIZED WITHIN 14 DAYS.
12. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL FIELD MANUAL.
13. CALL FOR FINAL INSPECTION BY THE APPROVED ON-SITE INSPECTOR.
14. CONTRACTOR TO REMOVE ALL REMAINING FENCES AND SEDIMENT CONTROL MEASURES AFTER RECEIVING FINAL APPROVAL.
15. NEW HANOVER COUNTY ENGINEERING:
230 MARKET PLACE DRIVE - SUITE 160
WILMINGTON, N.C. 28403
TEL: (910) 798-7139
CONTACT: BETH EASLEY-WETHERILL

MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOPDRESSED WITH AND ADDITIONAL TWO (2) INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE, WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
4. ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. HARDWARE CLOTH AND ROCK INLET PROTECTION SHOULD BE MAINTAINED WHEN HALF FULL OF SEDIMENT OR THE STONE NO LONGER DRAINS AS DESIGNED.
6. SILT SACKS MUST BE CLEANED WEEKLY AND AFTER EVERY RAIN EVENT.

SOILS:

- W - WRIGHTSBORO FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
- L - LEON SAND

COORDINATES: 34.2441, -77.8311

DENUDED AREA= 2.73 AC

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____



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KEY MAP

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PROJECT

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MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

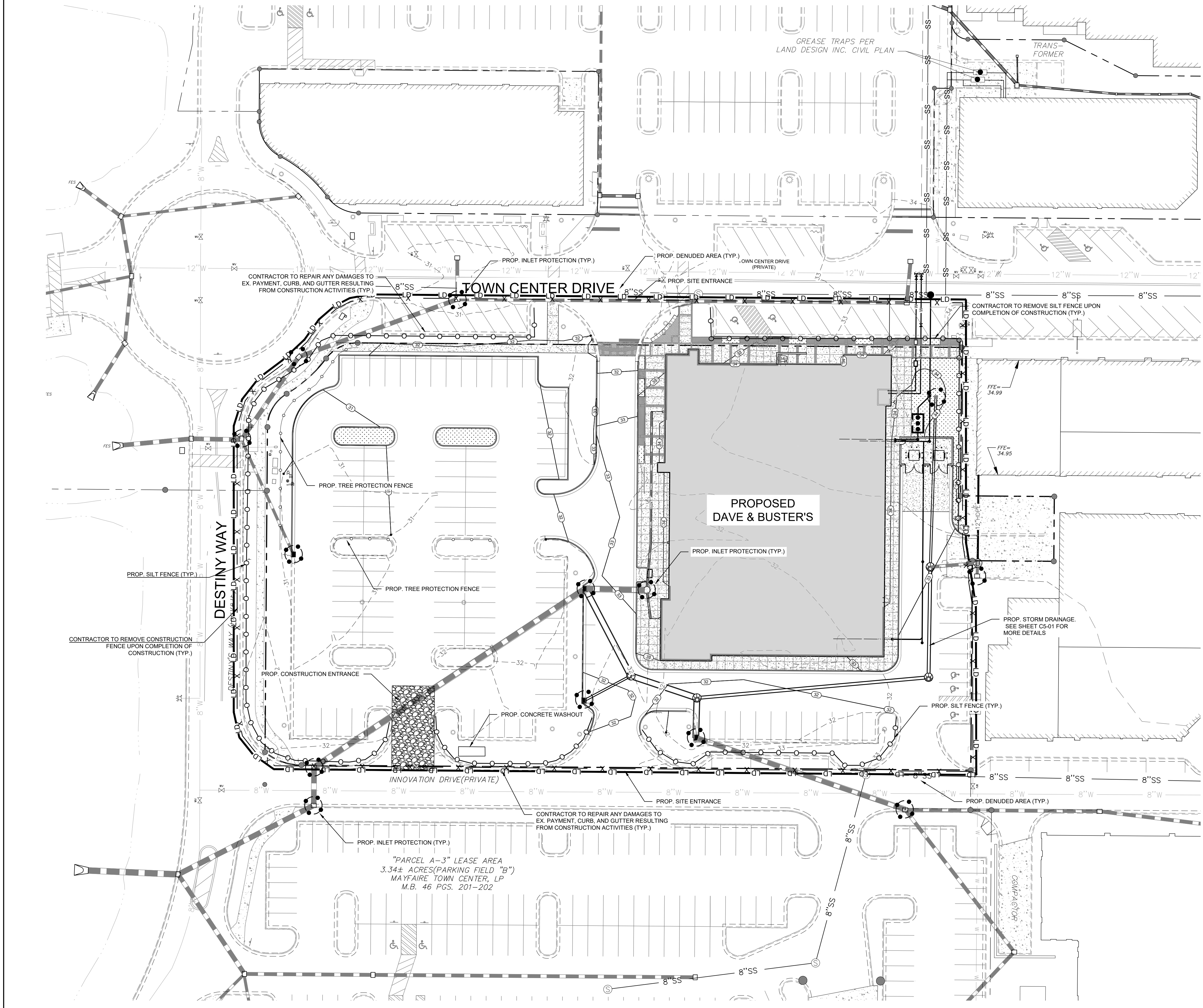
VERT: N/A
HORZ: 1"=30'
0 15 30 60

SHEET NUMBER

EROSION CONTROL PHASE II

SHEET NUMBER

C2-01



EROSION CONTROL NOTES:

1. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT ROUGH GRADES.
2. ALL ELEVATIONS ARE IN REFERENCE TO THE SURVEYORS BENCHMARK WHICH MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GRADING BREAKING.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
4. PERMANENT CUT AND FILL SLOPES PLACED ON A SUITABLE FOUNDATION SHOULD BE CONSTRUCTED AT 2:1 (HORIZONTAL TO VERTICAL) OR FLATTER. PERMANENT SLOPES OF 3:1 SHOULD BE CONSTRUCTED WHERE MOUING IS DESIRABLE AND AS INDICATED.
5. IF FILL MATERIAL IS BROUGHT ON TO THE PROPERTY OR IF WASTE MATERIAL IS HAULED FROM THE PROPERTY THEN THE CONTRACTOR SHALL DISCLOSE THE LOCATION OF ANY ON-SITE AND/OR OFF-SITE BORROW LOCATION AND/OR WASTE BURIAL LOCATION TO THE EROSION CONTROL INSPECTOR.
6. REFER TO PAVEMENT CROSS-SECTION DATA TO ESTABLISH CORRECT SUB-BASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
7. LIMITS OF CLEARING SHOWN ARE BASED ON CUT AND FILL SLOPES OR OTHER GRADING REQUIREMENTS.
8. ANY GRADING BEYOND THE LIMITS OF CONSTRUCTION SHOWN ON THIS PLAN IS SUBJECT TO A FINE.
9. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON DENUDEED AREAS AND ESPECIALLY WHEN THE CONSTRUCTION SEQUENCE REQUIRES IT. ALL DENUDEED AREAS ARE TO BE SEEDDED OR LANDSCAPED WITHIN 14 CALENDAR DAYS.
10. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES AS INDICATED PRIOR TO GRADING OPERATIONS. NO DEVICE MAY BE REMOVED UNTIL SITE IS STABILIZED.
11. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY WITH EXISTING CONTOURS.
12. GRADING MORE THAN 1 ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION AND SUBJECT TO A FINE.
13. SOIL TYPES: L= LEON To- TORRHUNTA W= WRIGHTSBORO
14. ALL DISTANCES ARE HORIZONTAL GROUND.
15. SITE IS LOCATED IN THE HOWE CREEK & BRADLEY CREEK WATERSHED AREAS (GWA).
16. CONTRACTOR SHALL VERIFY SPOTS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY GRADE DISCREPANCIES PRIOR TO POURING ANY CURB & GUTTER OR PAVE ANY AREAS THAT MAY BE QUESTIONED.
17. TOTAL SITE AREA: 2.87 AC
TOTAL DENUDEED AREA: ±3.63 AC
18. CONTRACTOR IS RESPONSIBLE FOR MONITORING THE EROSION CONTROL WORK DURING THE COURSE OF CONSTRUCTION TO INSURE THAT ALL WORK HAS BEEN PROPERLY INSTALLED AND MAINTAINED.

ADDITIONAL GENERAL NOTES:

1. LAND DEVELOPMENT INSPECTOR TO BE GIVEN 24 HOURS NOTICE PRIOR TO START OF CONSTRUCTION.
2. COORDINATE ALL CURB AND STREET GRADES IN HANDICAP WITH INSPECTOR.
3. ALL ROAD IMPROVEMENTS TO BE COORDINATED WITH ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY SPOTS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY GRADE DISCREPANCIES PRIOR TO POURING ANY CURB & GUTTER OR PAVE ANY AREAS THAT MAY BE QUESTIONED.
5. SIGHT TRIANGLES ARE THE MINIMUM REQUIRED.
6. IN ROLLING AND HILLY TERRAIN, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR BASED ON FIELD CONDITIONS.
7. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE ADJACENT PROPERTY OWNERS AND NEW HANOVER COUNTY EROSION CONTROL OFFICE.
8. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.
9. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
10. PIPE SYSTEMS LOCATED WITHIN PERMANENT STORM DRAINAGE EASEMENTS IN THE (CITY/COUNTY) ARE TO BE MAINTAINED BY THE (CITY/COUNTY) IN AN "ON-CALL" MANNER. THE (CITY/COUNTY) WILL NEITHER BE RESPONSIBLE.
11. ANY BUILDING WITHIN THE 100+1 BUILDING RESTRICTION FLOOD LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF WILMINGTON/NEW HANOVER COUNTY) SUBDIVISION ORDINANCE, SECTION 7.200.8. ANY CONSTRUCTION OR USE WITHIN THE AREAS DELINEATED AS FLOODWAY DISTRICT FRINGE BOUNDARY LINE OR FLOODWAY DISTRICT ENCROACHMENT BOUNDARY LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF WILMINGTON AND NEW HANOVER COUNTY.
12. ALL OPENINGS (E.G., DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON LOTS (NONE) SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED GROUND SURFACE. (APPLIES TO LOTS WHICH MAY EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100+1 FLOOD ANALYSIS).
13. THE (CITY OF WILMINGTON/NEW HANOVER COUNTY) ENGINEERING DEPARTMENT HAS NOT REVIEWED THE STRUCTURAL STABILITY OF ANY RETAINING WALLS ON THE SITE AND DOES NOT ASSUME RESPONSIBILITY FOR THEM.

SPECIAL CONDITIONS

1. ALL THE SOIL EROSION CONTROL MEASURES WILL BE INSTALLED AS THE SITE IS CLEARED AND MAINTAINED THROUGHOUT CONSTRUCTION.
2. THIS PERMIT DOES NOT PRECLUDE ANY PERMITS OR APPROVALS WHICH MAY BE NECESSARY SUCH AS DEM WATER QUALITY, C.A.M.A., THE CORPS OF ENGINEERS, DEM SOILD WASTE OR ANY OTHER AGENCIES.
3. NO SEDIMENT SHALL LEAVE THE SITE OR ENTER THE WETLANDS IN ANY EVENT.
4. IF PLAN REVISIONS ARE NECESSARY YOU MUST SUBMIT A COPY TO THE NEW HANOVER COUNTY EROSION CONTROL OFFICE FOR APPROVAL PRIOR TO ANY FIELD CHANGES.
5. IF SOIL IS REMOVED FROM THE SITE, IT MUST BE TAKEN TO AN APPROVED OR PERMITTED SITE TO BE IDENTIFIED BY THE NEW HANOVER COUNTY EROSION CONTROL OFFICE PRIOR TO REMOVAL FROM THE SITE.
6. ALL CITY AND STATE DRAINAGE AND STORMWATER REQUIREMENTS WILL BE ADHERED TO.
7. IF THESE MEASURES FAIL TO ADEQUATELY CONTROL EROSION, MORE RESTRICTIVE MEASURES WILL BE REQUIRED.
8. IF ANY PHASE OF GRADING CEASES FOR MORE THAN 14 CALENDAR DAYS, THE SITE WILL BE TEMPORARILY STABILIZED.
9. THE APPROVAL OF AN EROSION CONTROL PLAN IS CONDITIONED ON THE APPLICANTS COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATIONS AND RULES.
10. ALL SLOPES WILL BE STABILIZED WITHIN 14 CALENDAR DAYS OF CEASE OF ANY ACTIVITY.

STABILIZATION NOTES

1. ALL SLOPES WILL BE STABILIZED WITHIN 14 CALENDAR DAYS.

SEEDING SPECIFICATION

GENERAL
SEEDING CAN BE USED FOR TEMPORARY OR PERMANENT STABILIZATION. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS (OR MORE FREQUENT IF REQUIRED BY THE STATE NPDES PERMIT) SHALL BE TEMPORARILY SEEDDED AND WATERED. AREAS WHERE FINAL GRADING HAS BEEN COMPLETED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY OR PERMANENTLY SEEDDED. ALL DISTURBED AREAS ON SLOPES GREATER THAN 3:1 MUST BE TEMPORARILY SEEDDED AFTER 7 DAYS. ALL PERMETER DIKES, SWALES, DITCHES AND SLOPES MUST BE TEMPORARILY SEEDDED AFTER 7 DAYS. TEMPORARY SEED MIXTURES ARE SPECIFIED BELOW. PERMANENT SEED MIXTURES SHALL BE SEEDDED DURING SEASON SPECIFIED.

PERMANENT SEEDING SPECIFICATIONS - (PS)

LOW MAINTENANCE AREAS		
STEEP SLOPES OR STONY, SHALLOW OR DRY SOILS		
DATES	TYPE	RATE
AUG. 25 - SEPT. 15	TALL FESCUE	100 LB/ACRE
FEB. 15 - MAR. 21	SERICEA LESPEDEZA KOBRE LESPEDEZA	30 LB/ACRE 10 LB/ACRE

GENTLE SLOPES, AVERAGE SOILS		
DATES	TYPE	RATE
AUG. 25 - SEPT. 15	TALL FESCUE	80 LB/ACRE
FEB. 15 - MAR. 21	SERICEA LESPEDEZA KOBRE LESPEDEZA	20 LB/ACRE 10 LB/ACRE

HIGH MAINTENANCE AREAS

GENTLE SLOPES, SOILS WITH AVERAGE OR BETTER MOISTURE, COOL SITES		
DATES	TYPE	RATE
AUG. 25 - SEPT. 15	BLEND OF TWO TURF-TYPE	200 - 250 LB/ACRE
	TWO OR MORE KENTUCKY BLUEGRASS VARIETIES (10%)	

GENTLE SLOPES, DRIER SOILS, PHYSICAL LIMITATIONS		
DATES	TYPE	RATE
AUG. 25 - SEPT. 15	BLEND OF 50% KY-31 TALL FESCUE AND 50% MIXTURE OF TWO OR MORE TURF-TYPE TALL FESCUES	200 - 250 LB/ACRE

GRASS-LINED CHANNELS, AVERAGE SOILS

DATES	TYPE	RATE
AUG. 25 - OCT.	TALL FESCUE	200 LB/ACRE OR 4 - 5 LB/1000 SF

GRASS-LINED CHANNELS, DRY SOILS

DATES	TYPE	RATE
APRIL 15 - JUNE 30	ANNUAL RYE PLANTED WITH PERMANENT SEEDING OF FESCUES IN FALL	40 - 80 LB/ACRE OR 1 - 2 LB/1000 SF

AMENDMENTS SHALL BE APPLIED AT THE RATE OF 4000 LB/ACRE OF GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE OF 10-10-10 FERTILIZER. DRY SOIL GRASS-LINED CHANNELS SHALL USE 3000 LB/ACRE OF GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE OF 10-10-10 FERTILIZER. MULCH SHALL BE APPLIED AT THE RATE OF 4000 LB/ACRE OF STRAW. STRAW SHALL BE ANCHORED BY TACKING WITH MULCH ANCHORING TOOL. TACKING USES LIQUID MULCH BINDERS TO ANCHOR HAY OR STRAW MULCHES. THESE VEGETABLE-BASED TRACIFIERS ARE NATURAL ORGANIC INGREDIENTS THAT ACT AS "GLUE" TO HOLD THE STRAW IN PLACE. TACK IS APPLIED BY THE HYDROSEEDER ALONG WITH WOOD FIBER MULCH AND WATER. WOOD FIBER MULCH ACTS AS AN ADDITIONAL BINDER, AND WITH ITS HARMLESS TEMPORARY GREEN DYE, PROVIDES OUR INSTALLERS WITH A VISUAL GUIDE TO ASSURE UNIFORM COVERAGE. JUTE OR EXCELISOR MATTING SHALL BE USED IN GRASS LINED CHANNELS TO CALCULATED HIGH WATER DEPTH.

HYDROSEEDING APPLICATION: TWO STEP PROCESS

LESIAC	MATERIAL
2,000 LBS	100% CELLULOSE OR WOOD FIBER
500 LBS	FERTILIZER (FERTILIZER 10-10-10)
___ LBS	SEED AS PER SECTION (FOLLOW SEEDING SPECIFICATION)

GENERAL:
A. ALL HYDROSEED APPLICATIONS ARE TO BE APPLIED IN A SWEEPING MOTION TO FORM A UNIFORM APPLICATION AND FORM A MAT AT THE SPECIFIED RATES.
B. UNUSED LOADS: IF MIXTURE REMAINS IN TANK FOR MORE THAN 8 HOURS IT SHALL BE REMOVED FROM THE JOB SITE AT CONTRACTORS EXPENSE.

- STEP 1 - 1/3 MULCH. ALL SEEDING AND ALL INOCULANT SPREAD IN ONE DIRECTION
STEP 2 - 2/3 MULCH RATE APPLIED IN OPPOSING DIRECTION

SEED BED PREPARATION (PERMANENT SEEDING)

SURFACE WATER CONTROL MEASURES SHALL BE IN PLACE. AREA TO BE SEEDDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL. TOTAL SEEDBED PREPARED DEPTH SHOULD BE AT LEAST 4 INCHES. LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS NEED TO BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH THE ESTABLISHMENT AND MAINTENANCE OF VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION SHOULD BE AT FINISH GRADE AND BE REASONABLY SMOOTH AND UNIFORM.

IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHOULD BE ACCORDING TO SEEDING SPECIFICATIONS. IF SOIL TEST IS TAKEN, APPLY FERTILIZER AND LIME ACCORDING TO SOIL TEST REPORT. FERTILIZER AND LIME SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION. WEIGHTS, SEED SPECIES AND RATE AS A PERCENTAGE OF PURITY AND GERMINATION MUST BE CHECKED PRIOR TO SEEDING.

SEEDING SHALL BE ACCOMPLISHED IN TWO DIRECTIONS AND AT RIGHT ANGLES TO EACH OTHER. LAWN AREAS SHALL BE SEEDDED AT THE RATE INDICATED ON THE DRAWINGS BY SOWING EVENLY WITH AN APPROVED MECHANICAL CULTI-PACKER SEEDER TO COVER THE SEED AND FORM THE SEEDBED IN ONE OPERATION. IF BROADCAST SEEDER IS USED THE SEEDING RATE SHALL BE TWO (2) TIMES THE DRILL RATE. IN INACCESSIBLE AREAS, THE SEED SHALL BE LIGHTLY RAKED WITH FLEXIBLE RAKES AND ROLLED WITH A WATER BALAST ROLLER. AFTER ROLLING SEEDDED AREAS ARE TO BE MULCHED ACCORDING TO SPECIFICATION. IF HYDROSEED OPERATION IS USED, SEEDING RATE SHALL BE FIVE (5) TIMES THE DRILL RATE INDICATED ON THE DRAWINGS.

IF SEEDING CAN NOT BE ACCOMPLISHED DUE TO SEASONAL CONSTRAINTS, APPLY STRAW MULCH AND TACKIFIER TO ALL SLOPES AND DISTURBED AREAS UNTIL PERMANENT SEEDING IS ALLOWED. IN THE EVENT SEEDING OCCURS OUT OF SEASON, MAINTENANCE SHALL OCCUR AND CONTINUE INTO THE FOLLOWING GROWING SEASON OR UNTIL A UNIFORM STAND OF THE SPECIFIED PERMANENT GRASSES HAVE BEEN ESTABLISHED AND THE SITE HAS REACHED 80% STABILIZATION. PERMANENT AND TEMPORARY SEEDING SHALL BE ACCOMPLISHED THROUGHOUT THE CONSTRUCTION PROCESS.

INSPECTION

INSPECT SEEDDED AREAS FREQUENTLY. IF SEEDDED AREAS FAIL TO GERMINATE, OR TO PROVIDE ADEQUATE GROUND COVERAGE, THE AREA SHALL BE RE-SEEDDED UNTIL FINAL STABILIZATION IS ACHIEVED. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT MINIMUM EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24-HOURS OF A RAINFALL EVENT OF 0.5 INCHES AND GREATER OF RAIN DURING A 24-HOUR PERIOD (OR MORE FREQUENTLY IF REQUIRED BY THE STATE NPDES GENERAL PERMIT) THROUGHOUT CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED OR MORE FREQUENTLY IF REQUIRED BY STATE NPDES GENERAL PERMIT.

NPDES GENERAL NOTES:

1) Ground Stabilization*

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50 feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable." (Section 11.D(2)(b))

2) Building Wastes Handling

- No point or liquid wastes in stream or storm drains
- Dedicated areas for demolition, construction and other wastes must be located 50' from storm drains and streams unless no reasonable alternatives available.
- Earthen-material stockpiles must be located 50' from storm drains and streams unless no reasonable alternatives available.
- Concrete materials must be controlled to avoid contact with surface waters, wetlands, or buffers.

3) Discharges to Federally-listed Waters

- Requirements are the same as in previous permit.
- The permit allows reduction from the 20 acre minimum if the Director of DWQ determines that other BMPs provide equivalent protection.

4) Inspections

- Same weekly inspection requirements
- Same rain gauge & inspections after 0.5" rain event
- Inspections are only required during "normal business hours"
- Inspection reports must be available on-site during business hours unless a site-specific exemption is approved.
- Records must be kept for 3 years and available upon request.
- Electronically-available records may be substituted under certain conditions.

5) Implementation of New Permit Conditions

- Projects permitted under the previous permit can continue to follow the previously-permitted conditions.
- Complete applications received prior to August 3, 2011 can follow conditions of approved application.
- Applications received after August 2, 2011 must comply with new permit conditions.

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____

KEY MAP

SEAL

PRELIMINARY FOR REVIEW ONLY
THESE DOCUMENTS ARE FOR DESIGN REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSE. THEY ARE PREPARED BY, OR UNDER THE SUPERVISION OF:
Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG.# DATE

MAYFAIRE TOWN CENTER

WILMINGTON, NC

PROJECT

DAVE & BUSTER'S - MAYFAIRE

WILMINGTON, NC

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

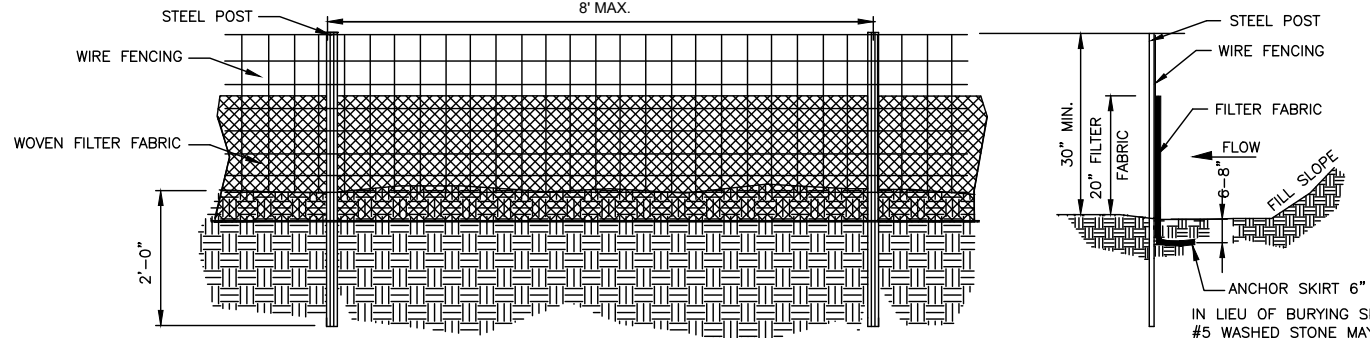
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SHEET TITLE

EROSION CONTROL DETAILS

SHEET NUMBER

C2-02



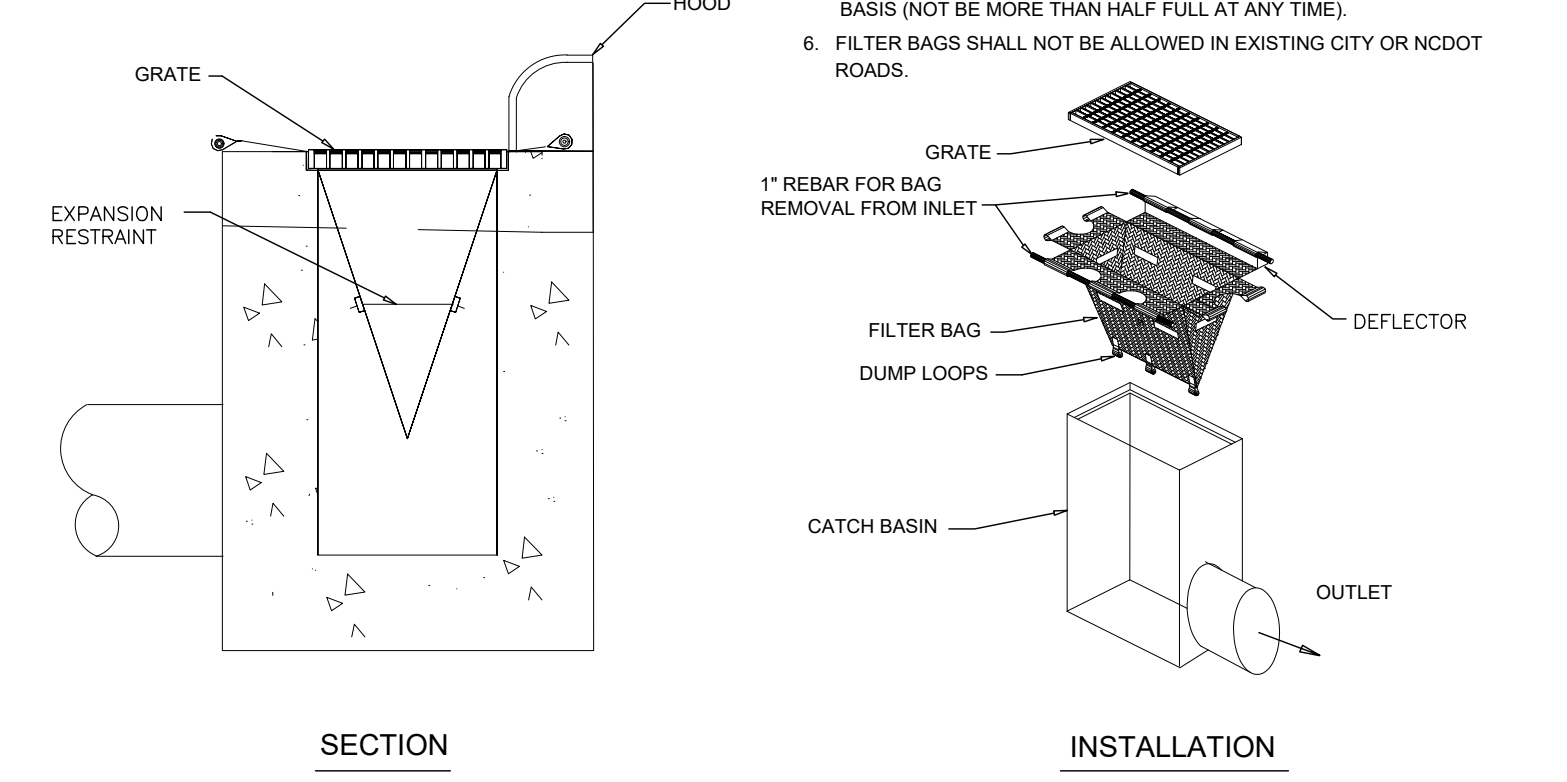
- GENERAL NOTES:**
1. FILTER FABRIC FENCE SHALL BE A MINIMUM OF 33" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
 2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
 3. STEEL POSTS SHALL BE 1/2" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
 4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
 5. TURN SILT FENCE UP SLOPE AT ENDS.
 6. WIRE MESH SHALL BE MIN. 13 GAGE WITH MAXIMUM 12" OPENINGS.
 7. WIRE AND WASHED STONE WILL BE REQUIRED AND NOTED ON PLANS WHEN:
 - A. AT TOE OF SLOPES GREATER THAN 10 FEET VERTICAL (2:1 SLOPE)
 - B. AT DENUDEED LIMITS WHERE AN UNDISTURBED BUFFER IS 50 FEET OR LESS AWAY
 8. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
 9. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100FT OF FENCE.
 10. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
 11. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

- MAINTENANCE NOTES:**
1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
 2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDDED.

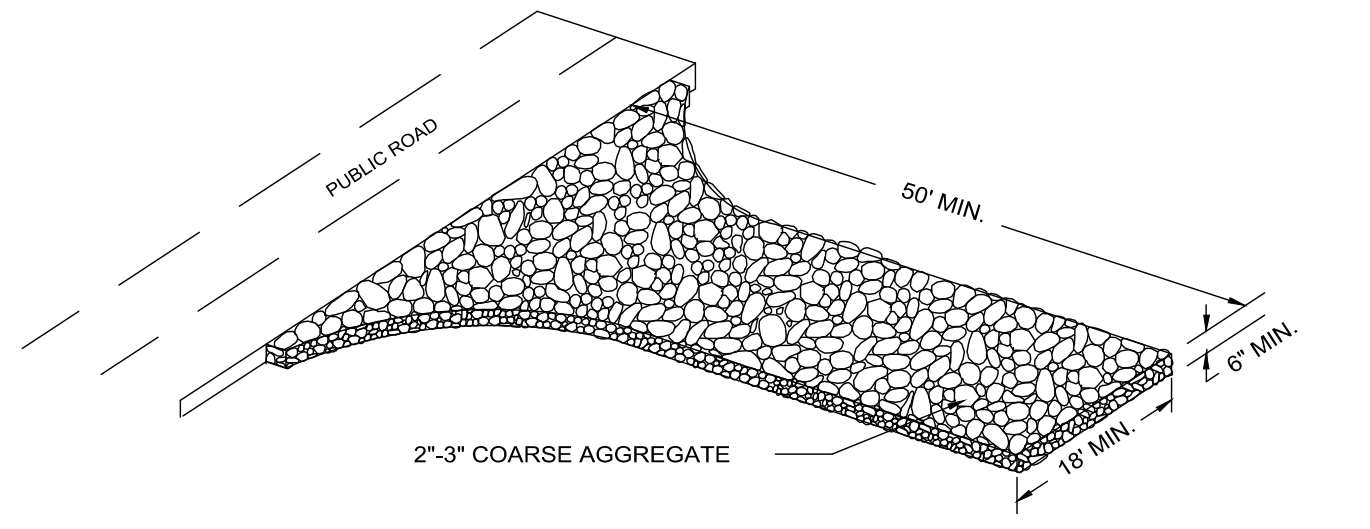
HIGH HAZARD TEMPORARY SILT FENCE
N.T.S.

NOTES

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



SILT SACK INLET PROTECTION DETAIL
(NOT TO SCALE)

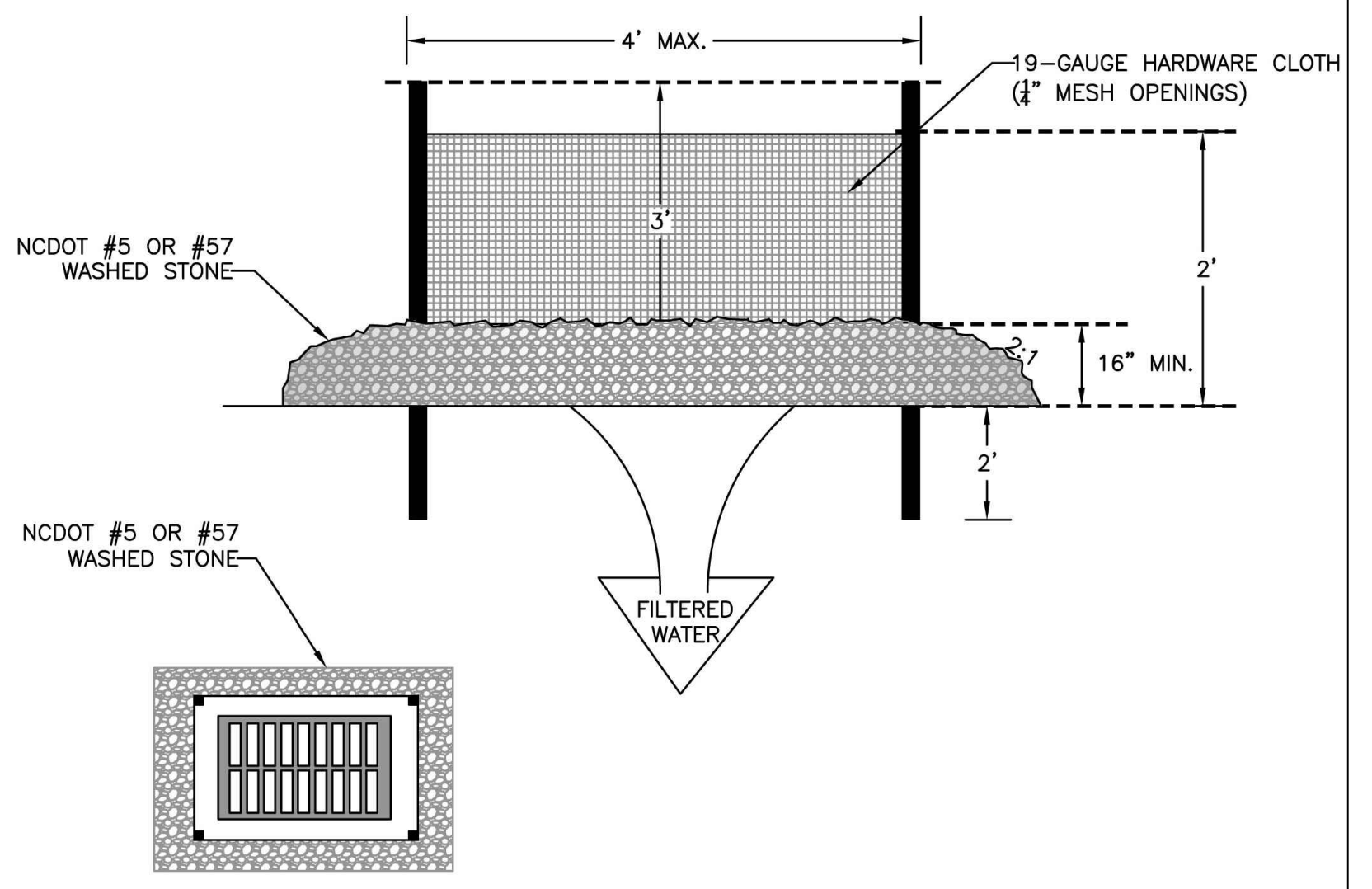


- GENERAL NOTES FOR CONSTRUCTION ENTRANCE:**
1. A STABILIZED ENTRANCE PAD OF #5 WASHED STONE OR RAIL ROAD BALLAST SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
 2. FILTER FABRIC OR COMPACTED CRUSHER RUN STONE SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
 3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 4. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
 5. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE.

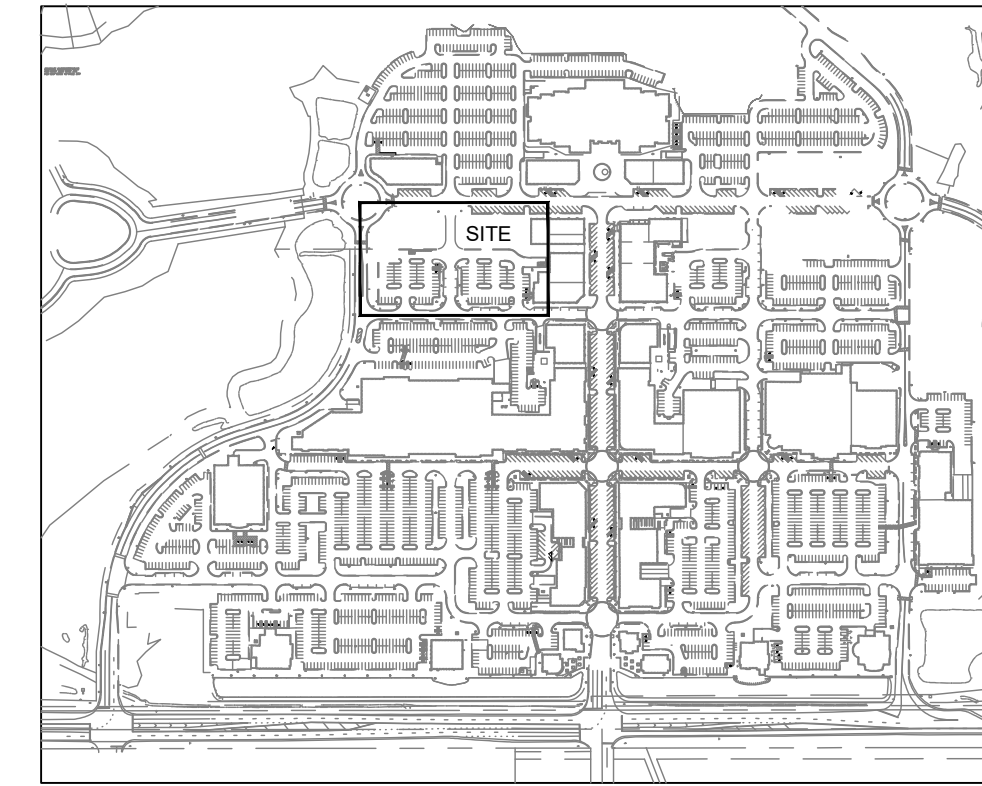
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

GENERAL NOTES:

1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. 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.
3. 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.
4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUND COVER.



TEMPORARY FABRIC DROP INLET PROTECTION
NOT TO SCALE



SITE LOCATION MAP N.T.S.

DEVELOPMENT SUMMARY:

TAX PARCELS: R05000-003-017-000
R05000-003-283-000
R05000-003-282-000

PARCEL OWNERSHIP: CBL PROPERTIES / MAYFAIRE TOWN CENTER LP
2030 HAMILTON PLACE BLVD.
SUITE 500
CHATTANOOGA, TN 37421

EXISTING ZONING: UMX (L)
PROJECT LIMITS: 2.38 ACRES
EXISTING USE: VACANT
PROPOSED USE: RESTAURANT/ARCADE
EXISTING IMPERVIOUS AREA: 92,167 SF (APPROVED NCDEQ PERMIT)
PROPOSED IMPERVIOUS AREA:
BUILDING: 22,706 SF
ASPHALT: 55,456 SF
CONCRETE: 7,854 SF
TOTAL IMPERVIOUS: 86,016 SF

EXISTING PARKING: 96 SPACES
PROPOSED PARKING: 109 SPACES
2 HANDICAP SPACES
(ALONG TOWN CENTER DRIVE)

PROPOSED BUILDING: 22,706 SF
PROPOSED BUILDING HEIGHT: 27 FEET
PROPOSED CONSTRUCTION TYPE: TYPE IIB

REQUIRED SETBACKS PER APPROVED ZONING

SITE LEGEND

- PROP. CONCRETE
- PROP. BRICK PAVER AREAS
- PROP. ASPHALT

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

DAVE & BUSTER'S - MAYFAIRE
MAYFAIRE TOWN CENTER
WILMINGTON, NC

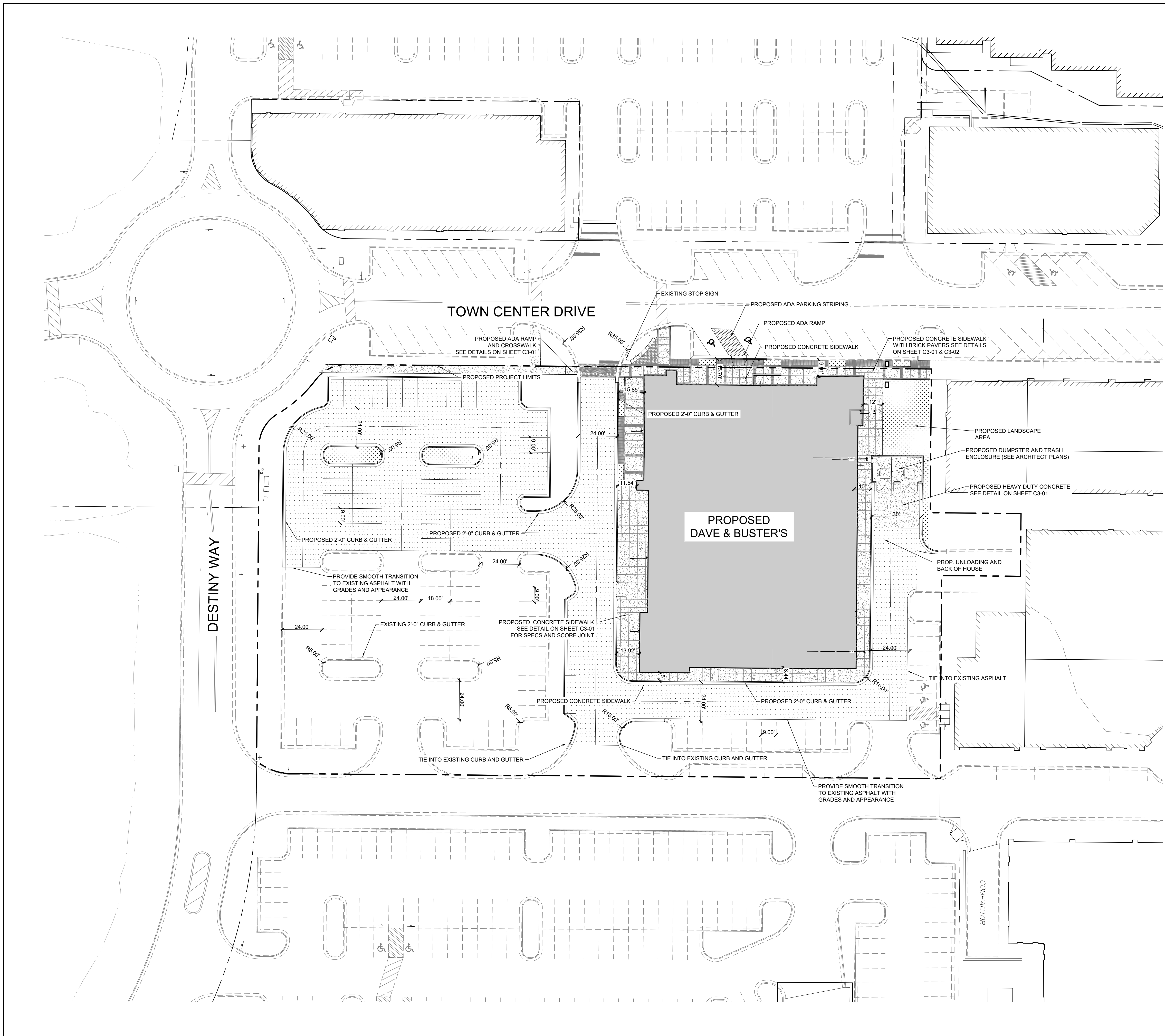
LANDDESIGN PROJ.# 1023073

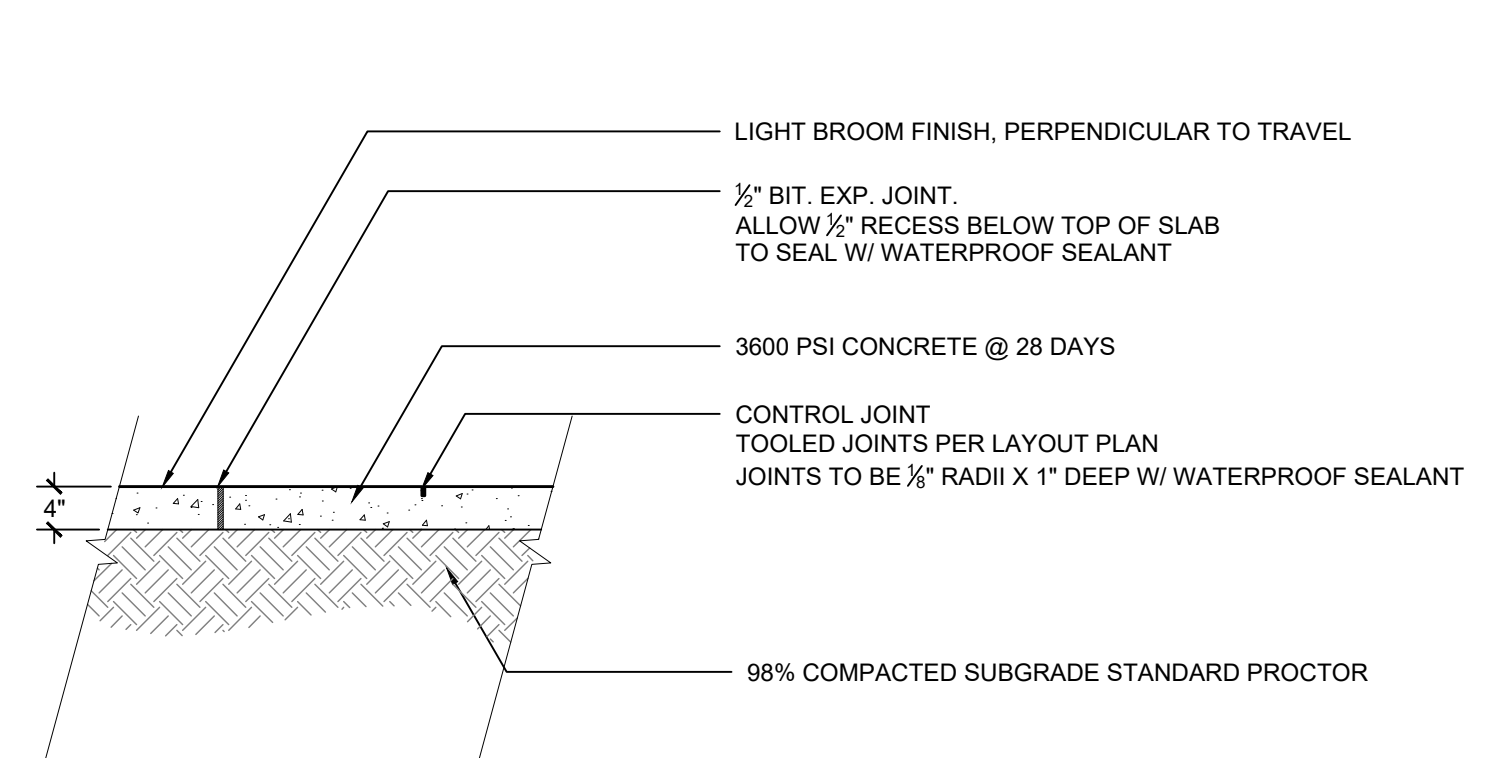
REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

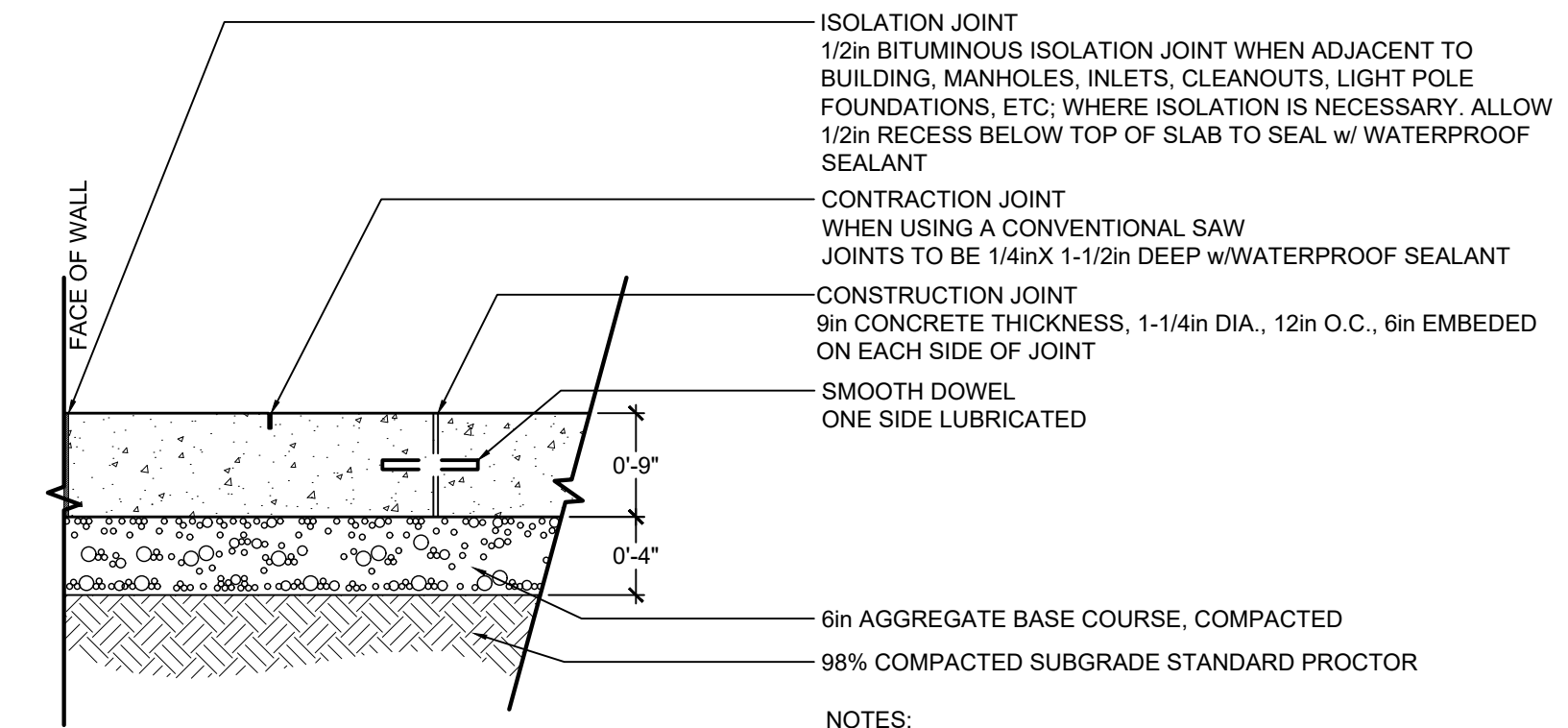
DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK
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VERT: N/A
HORZ: 1" = 30'
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SHEET NUMBER: **C3-00**

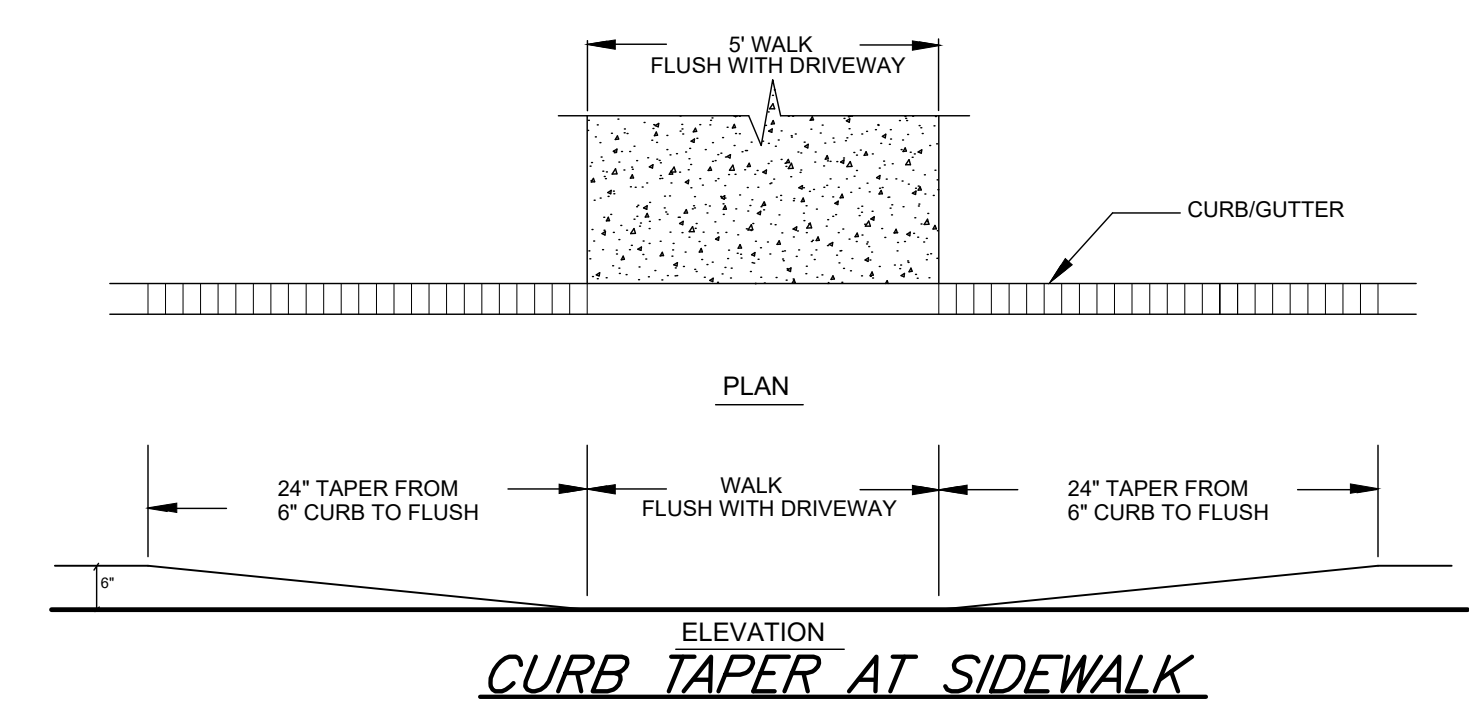




NOTES:
1. SEE LAYOUT PLAN FOR CONTROL JOINT AND EXPANSION JOINT SPACING. WHEN NOT SHOWN, A HAND TOOLED CONTROL JOINT 1" DEEP WITH 1/2" RADII SHALL BE REQUIRED IN THE CONCRETE SIDE WALK AT 5' INTERVALS. PROVIDE EXPANSION JOINT WHERE THE CONCRETE JOINS ANY RIGID STRUCTURE.
2. CONCRETE SHALL BE 3600psi @ 28 DAYS.
3. WATERPROOF SEALANT TO MATCH CONCRETE COLOR.



NOTES:
1. CONTRACTOR MUST VERIFY THIS PAVEMENT SECTION WITH CONSULTING GEOTECH PRIOR TO INSTALLATION.
2. SUPPLIER MUST PROVIDE DOCUMENTATION THAT THE MIX WILL OBTAIN A FLEXURAL STRENGTH (MODULUS OF RUPTURE) OF AT LEAST 600 PSI AT 28 DAYS.
3. WATERPROOFING SEALANT TO MATCH CONCRETE COLOR



CURB TAPER AT SIDEWALK

SCORED CONCRETE
SECTION

SCALE: 3/4"=1'-0"

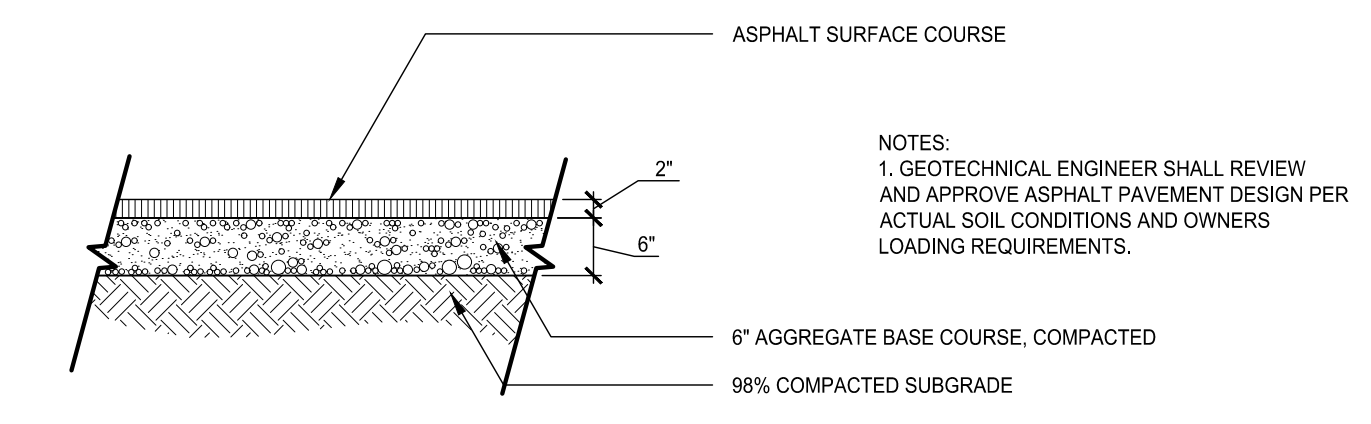
HEAVY DUTY CONCRETE
SECTION

SCALE: 3/4"=1'-0"

KEY MAP

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG.# DATE

NOTES:
1. GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE ASPHALT PAVEMENT DESIGN PER ACTUAL SOIL CONDITIONS AND OWNERS LOADING REQUIREMENTS.



STANDARD DUTY ASPHALT
NOT TO SCALE

PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

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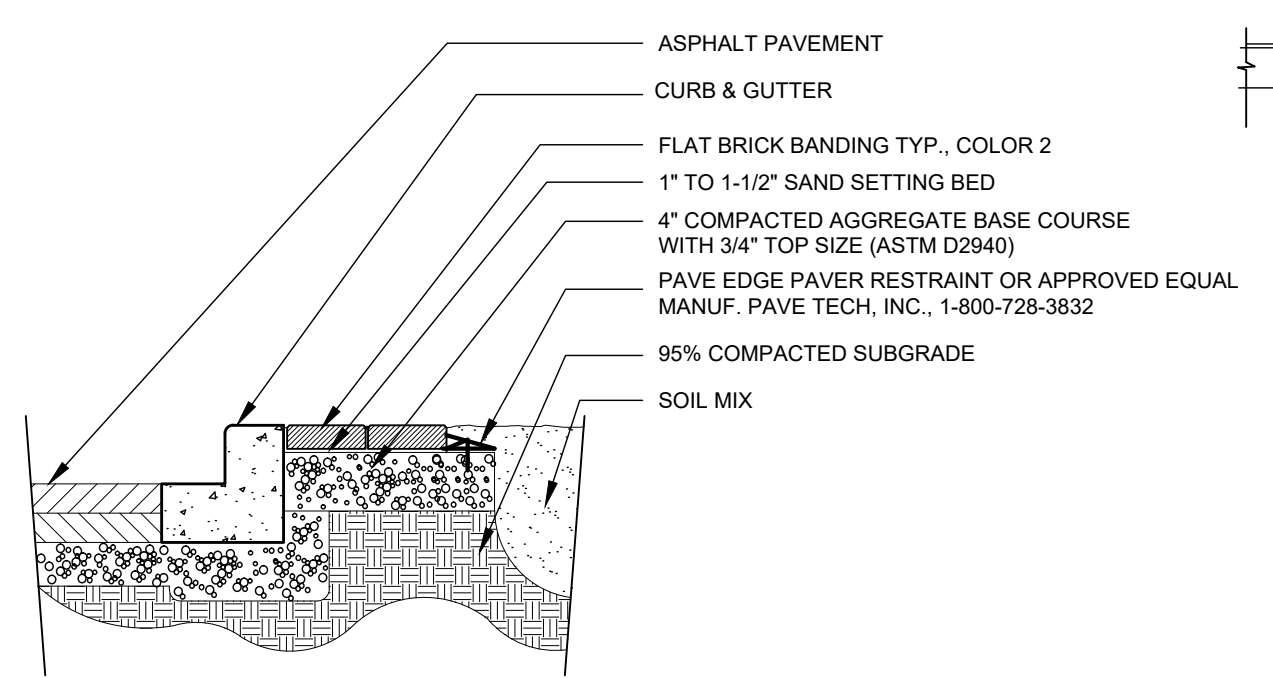
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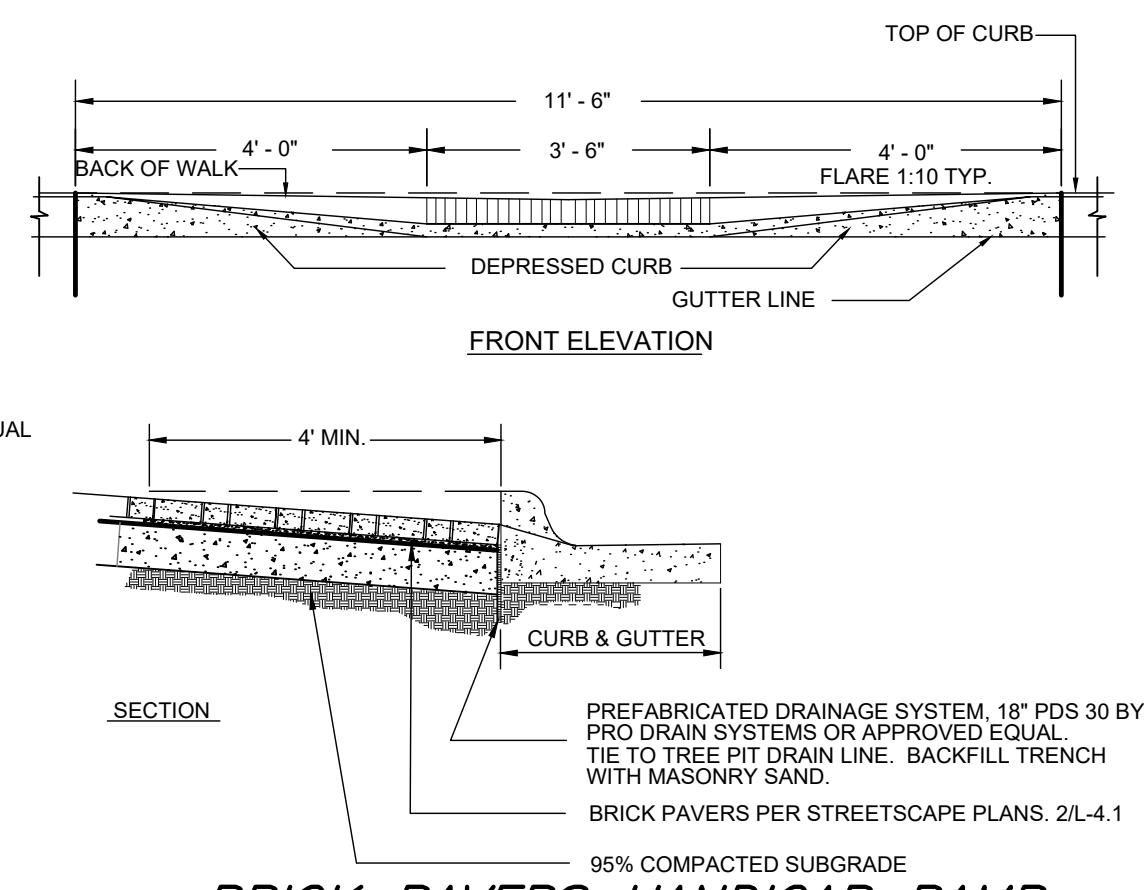
SITE DETAILS

SHEET NUMBER

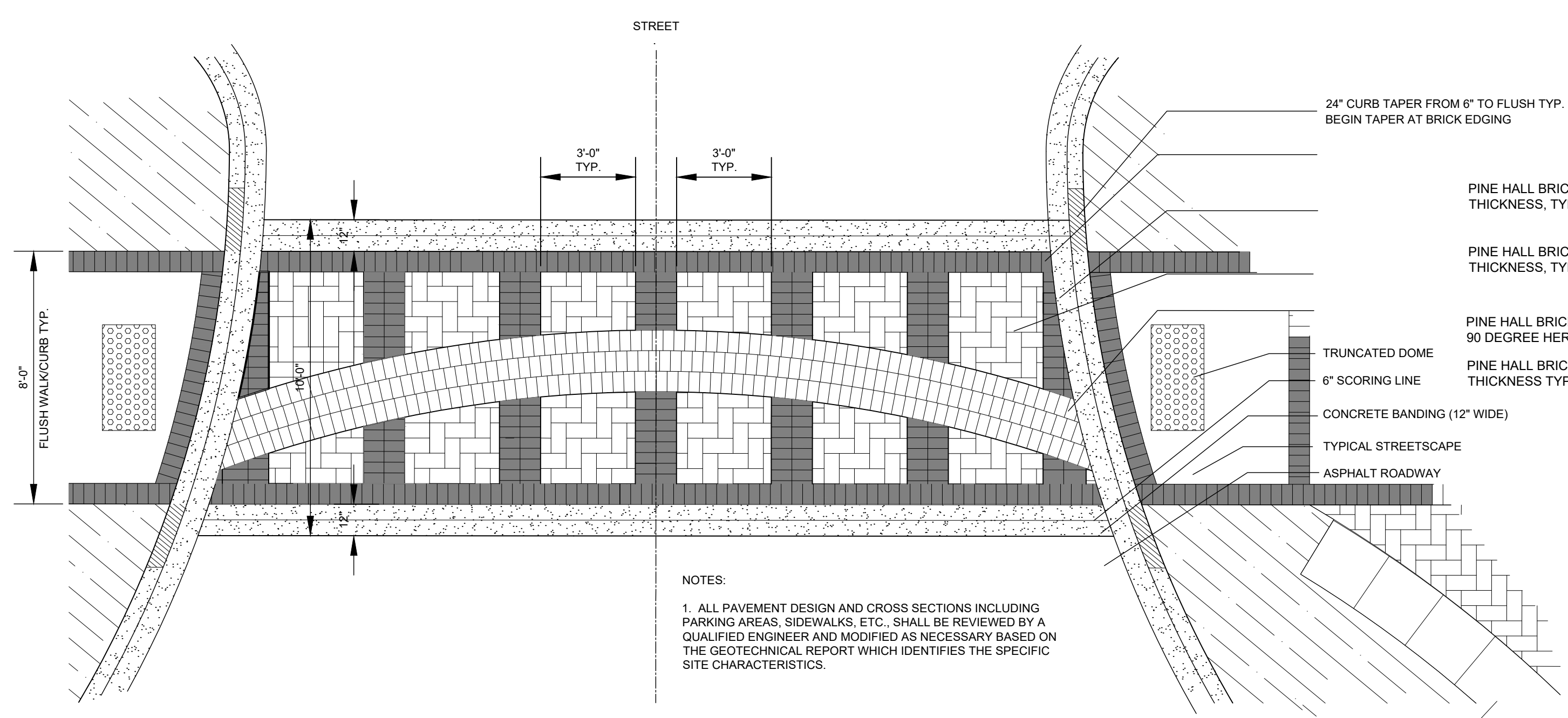
C3-01



PAVER EDGING
N.T.S.



BRICK PAVERS HANDICAP RAMP
N.T.S.



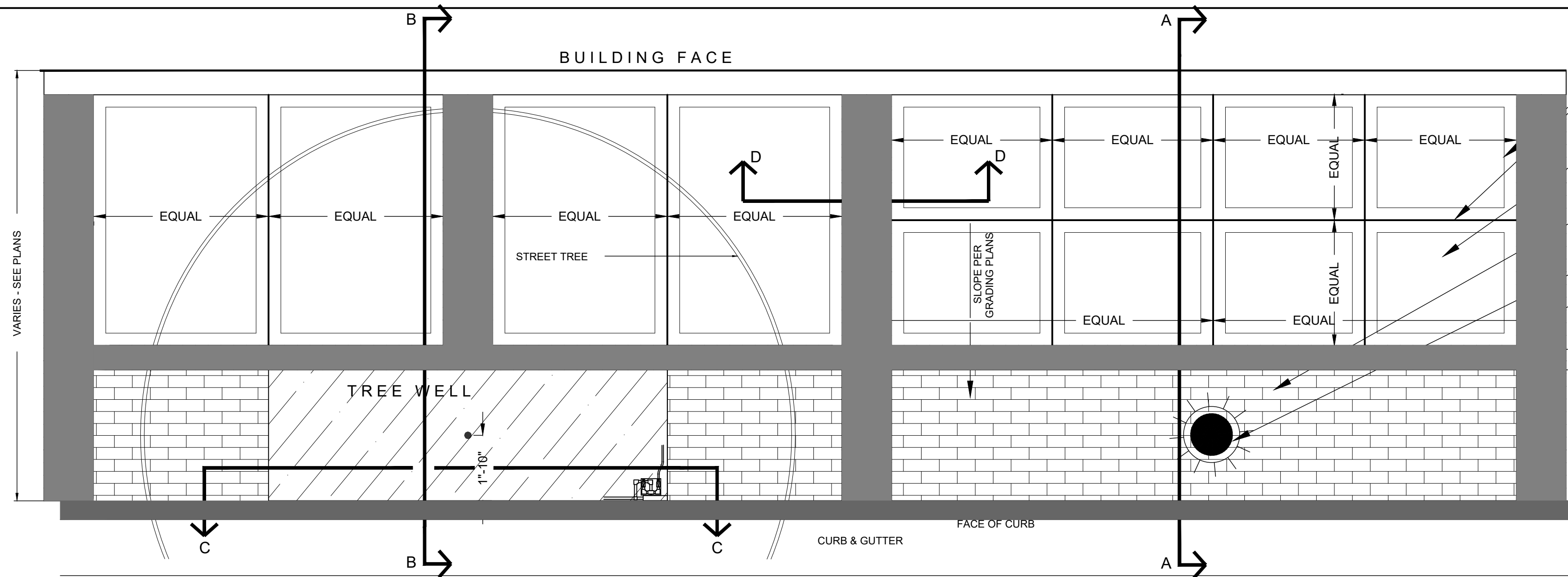
NOTES:
1. ALL PAVEMENT DESIGN AND CROSS SECTIONS INCLUDING PARKING AREAS, SIDEWALKS, ETC., SHALL BE REVIEWED BY A QUALIFIED ENGINEER AND MODIFIED AS NECESSARY BASED ON THE GEOTECHNICAL REPORT WHICH IDENTIFIES THE SPECIFIC SITE CHARACTERISTICS.

TYPICAL PAVER CROSSWALK
N.T.S.

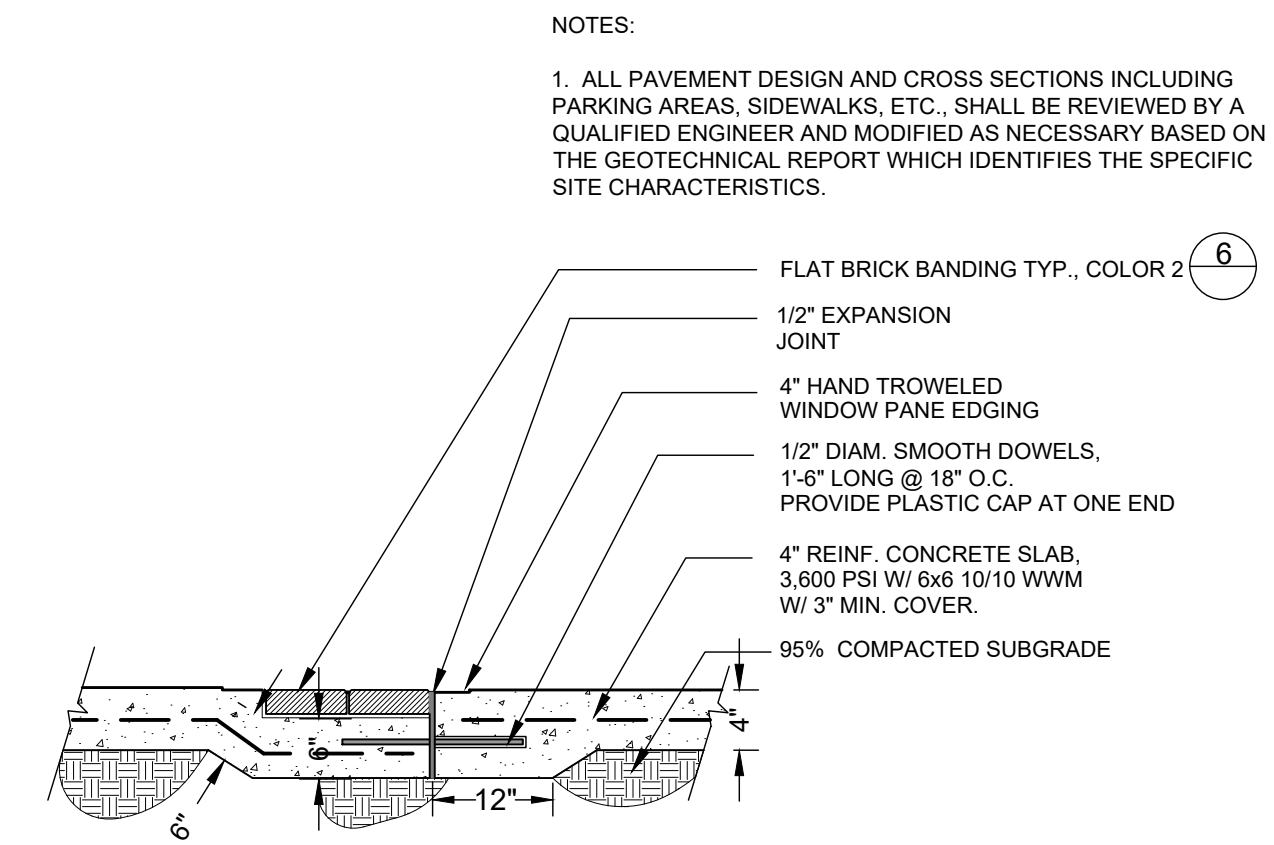
- 24" CURB TAPER FROM 6" TO FLUSH TYP. BEGIN TAPER AT BRICK EDGING
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 2, 2-5/8" THICKNESS, TYPE F, SINGLE FLAT BRICK BANDING
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 2, 2-5/8" THICKNESS, TYPE F, DOUBLE FLAT BRICK BANDING
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 1, 80MM, IN 90 DEGREE HERRINGBONE PATTERN FIELD
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 3, 2-5/8" THICKNESS TYPE F, TRIPLE FLAT BRICK BANDING
- TRUNCATED DOME
- 6" SCORING LINE
- CONCRETE BANDING (12" WIDE)
- TYPICAL STREETSCAPE
- ASPHALT ROADWAY

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____



- WINDOW PANE EDGING CONCRETE PAVEMENT 4" SMOOTH HAND TROWELED
- STIFF BROOM FINISH PERPENDICULAR TO BLDG. FACE
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 1, 60MM, RUNNING BOND PATTERN 11 FULL COURSES
- STREET LIGHT POLE
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 2, 60MM, DOUBLE ROW, FLAT BRICK BANDING
- PINE HALL BRICK PAVERS, ENGLISH EDGE, COLOR 2, 60MM, FLAT BRICK BANDING



- NOTES:
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- FLAT BRICK BANDING TYP., COLOR 2
- 1/2" EXPANSION JOINT
- 4" HAND TROWELED WINDOW PANE EDGING
- 1/2" DIAM. SMOOTH DOWELS, 1'-6" LONG @ 18" O.C. PROVIDE PLASTIC CAP AT ONE END
- 4" REINF. CONCRETE SLAB, 3,600 PSI W/ 6x6 10/10 WWM W/ 3" MIN. COVER
- 95% COMPACTED SUBGRADE

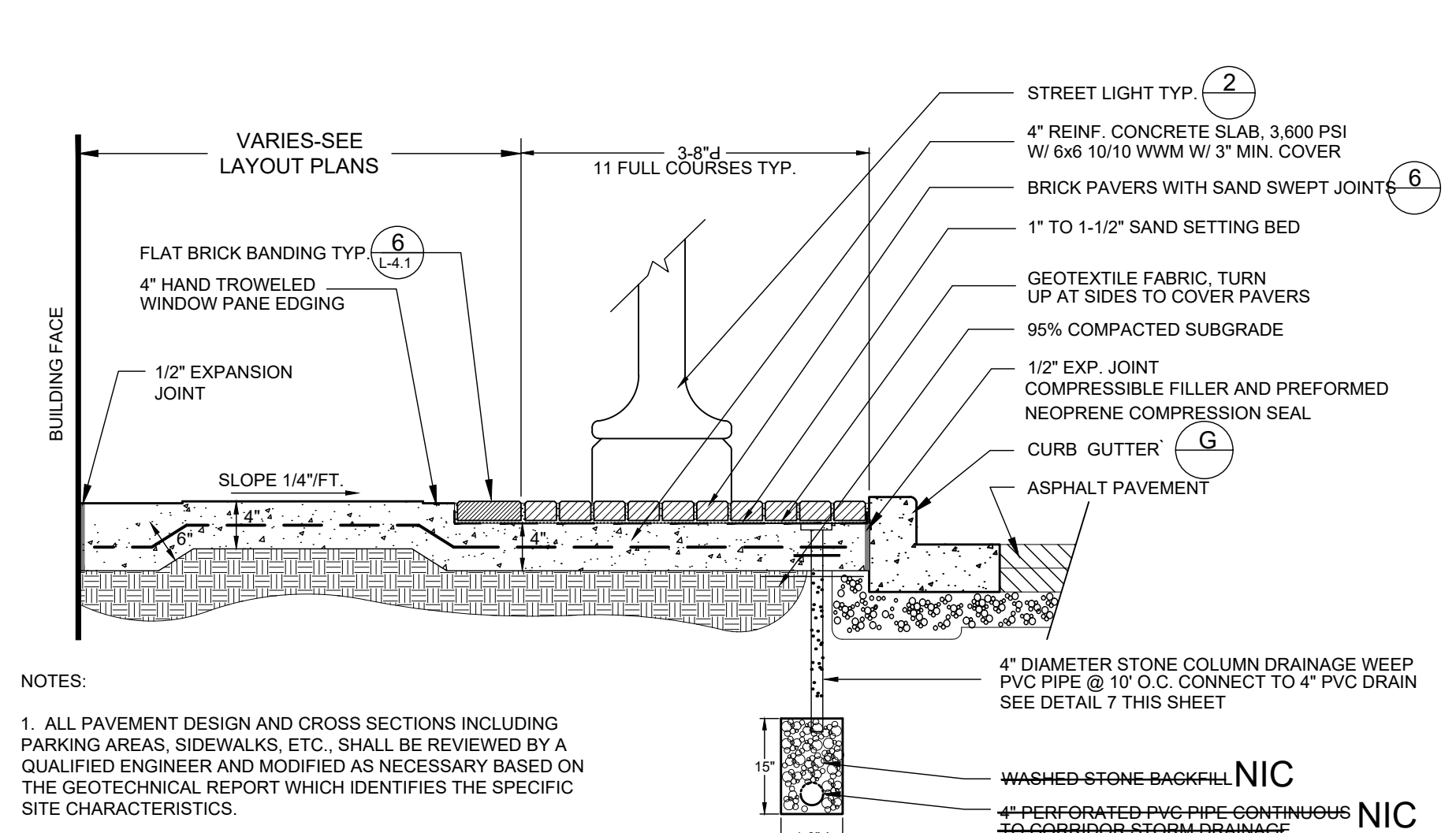
1 TYPICAL STREETSCAPE PLAN

NOTE: SEE DETAIL 3/L-4.5 FOR UTILITY LINE LOCATIONS

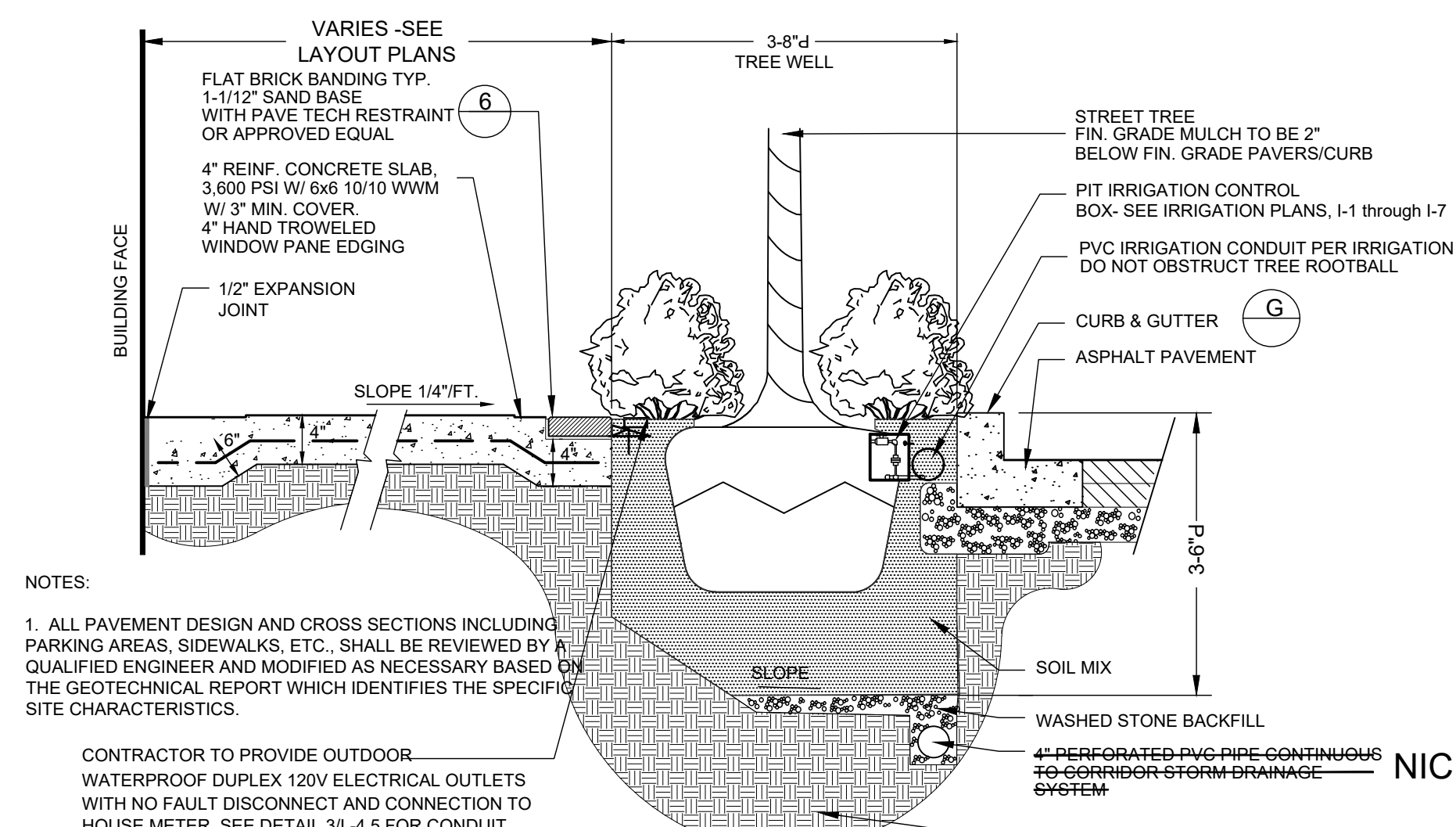
1/2" = 1'-0"

5 STREETSCAPE - Section D SECTION

13A-03 N.T.S.



- NOTES:
1. ALL PAVEMENT DESIGN AND CROSS SECTIONS INCLUDING PARKING AREAS, SIDEWALKS, ETC., SHALL BE REVIEWED BY A QUALIFIED ENGINEER AND MODIFIED AS NECESSARY BASED ON THE GEOTECHNICAL REPORT WHICH IDENTIFIES THE SPECIFIC SITE CHARACTERISTICS.

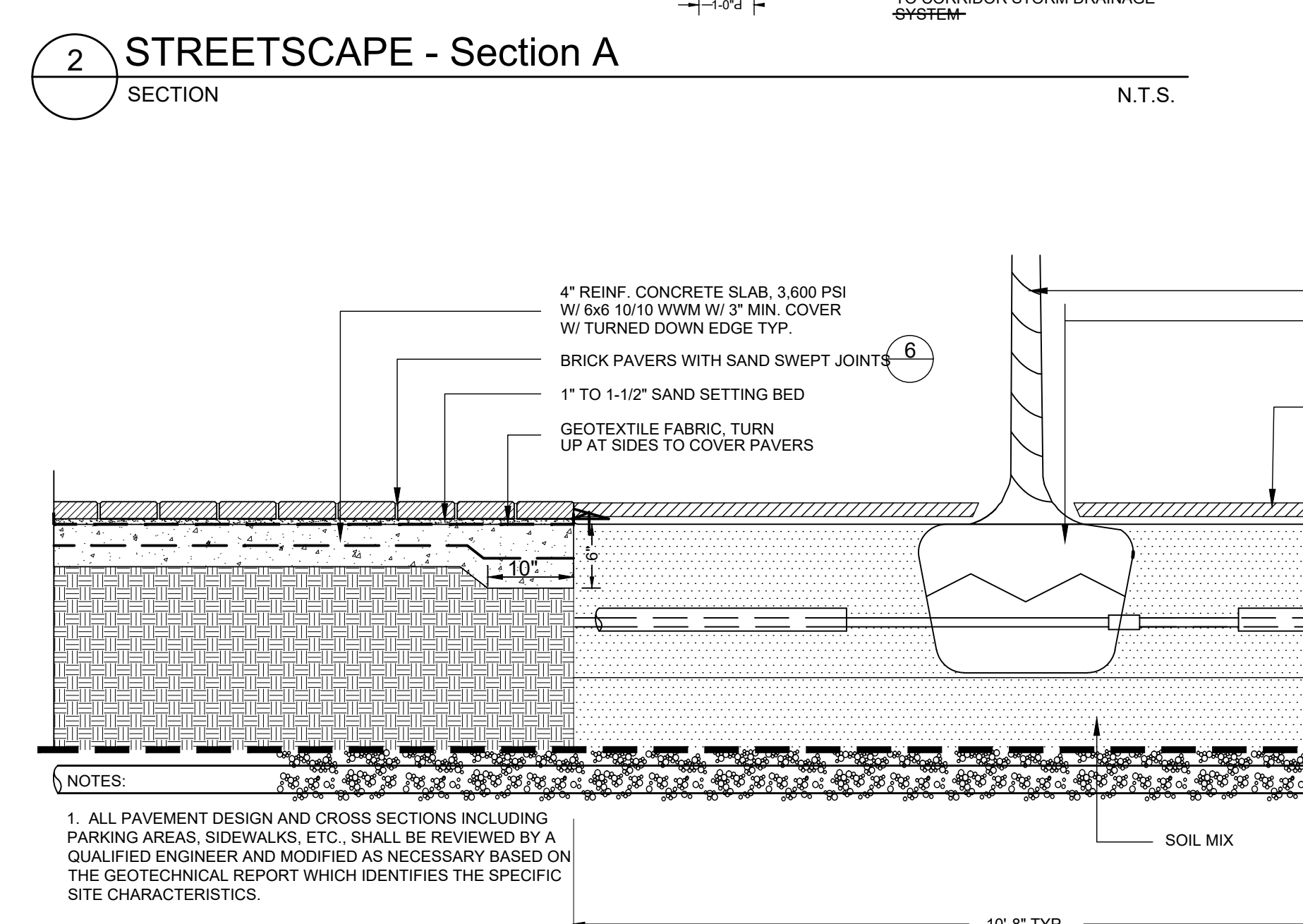


- NOTES:
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- CONTRACTOR TO PROVIDE OUTDOOR WATERPROOF DUPLEX 120V ELECTRICAL OUTLETS WITH NO FAULT DISCONNECT AND CONNECTION TO HOUSE METER. SEE DETAIL 3/L-4.5 FOR CONDUIT LOCATIONS.

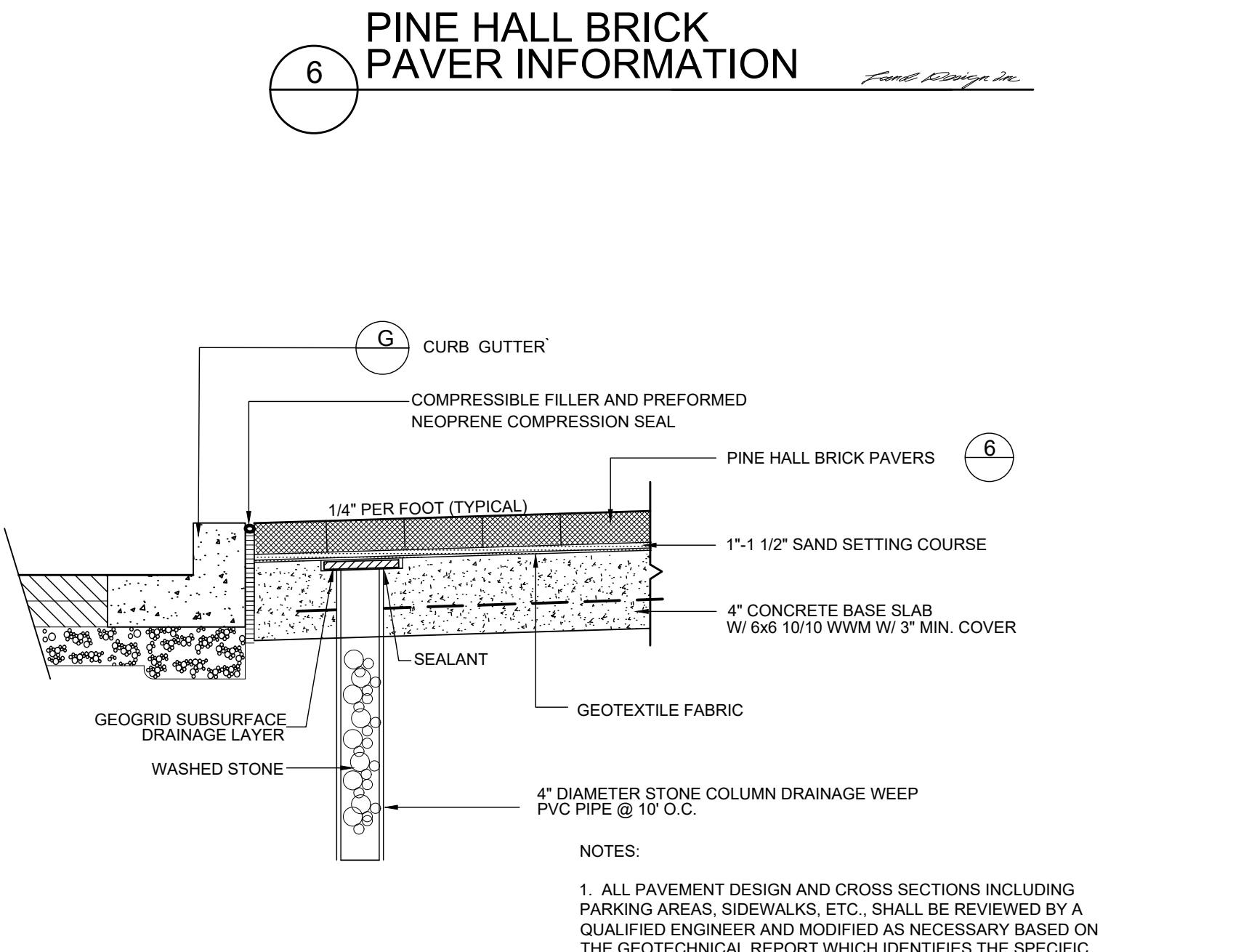
- MANUFACTURER: PINE HALL BRICK CO. INC.
P.O. BOX 11044 WINSTON-SALEM, NC 27116
www.pinehallbrick.com
- DISTRIBUTOR: PINE HALL BRICK CO. INC.
P.O. BOX 11044 WINSTON-SALEM, NC 27116
1-800-334-8689
- SIZE AND COLORS:
4"X8" ENGLISH EDGE
COLOR 1 - English Edge Rose Full Range (Field)
COLOR 2 - English Edge Ironspot (Banding)
COLOR 3 - English Edge Buff (Accent)
- CONTRACTOR SHALL PROVIDE SAMPLE MOCK-UP ON SITE OF COLOR SELECTIONS FOR REVIEW AND APPROVAL BY OWNER / LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL VEHICULAR PAVER APPLICATIONS SHALL BE TYPE F 4" X 8" X 2-5/8" PAVERS
- ALL PEDESTRIAN PAVER APPLICATIONS SHALL BE 4" X 8" X 2-1/4" PAVERS.

6 PINE HALL BRICK PAVER INFORMATION

13A-03 N.T.S.



- NOTES:
1. ALL PAVEMENT DESIGN AND CROSS SECTIONS INCLUDING PARKING AREAS, SIDEWALKS, ETC., SHALL BE REVIEWED BY A QUALIFIED ENGINEER AND MODIFIED AS NECESSARY BASED ON THE GEOTECHNICAL REPORT WHICH IDENTIFIES THE SPECIFIC SITE CHARACTERISTICS.



- NOTES:
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KEY MAP

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

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NO.	DESCRIPTION	DATE

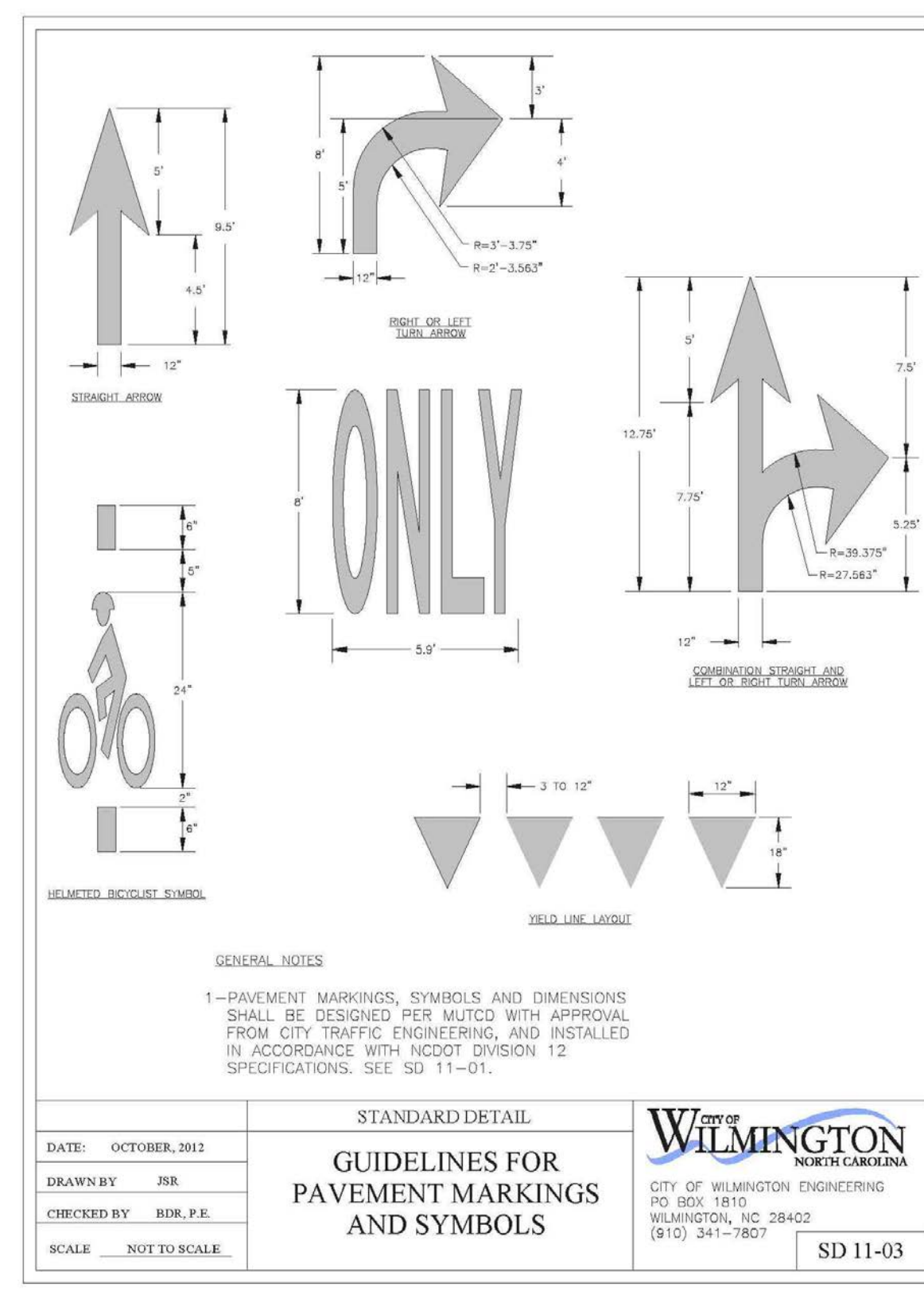
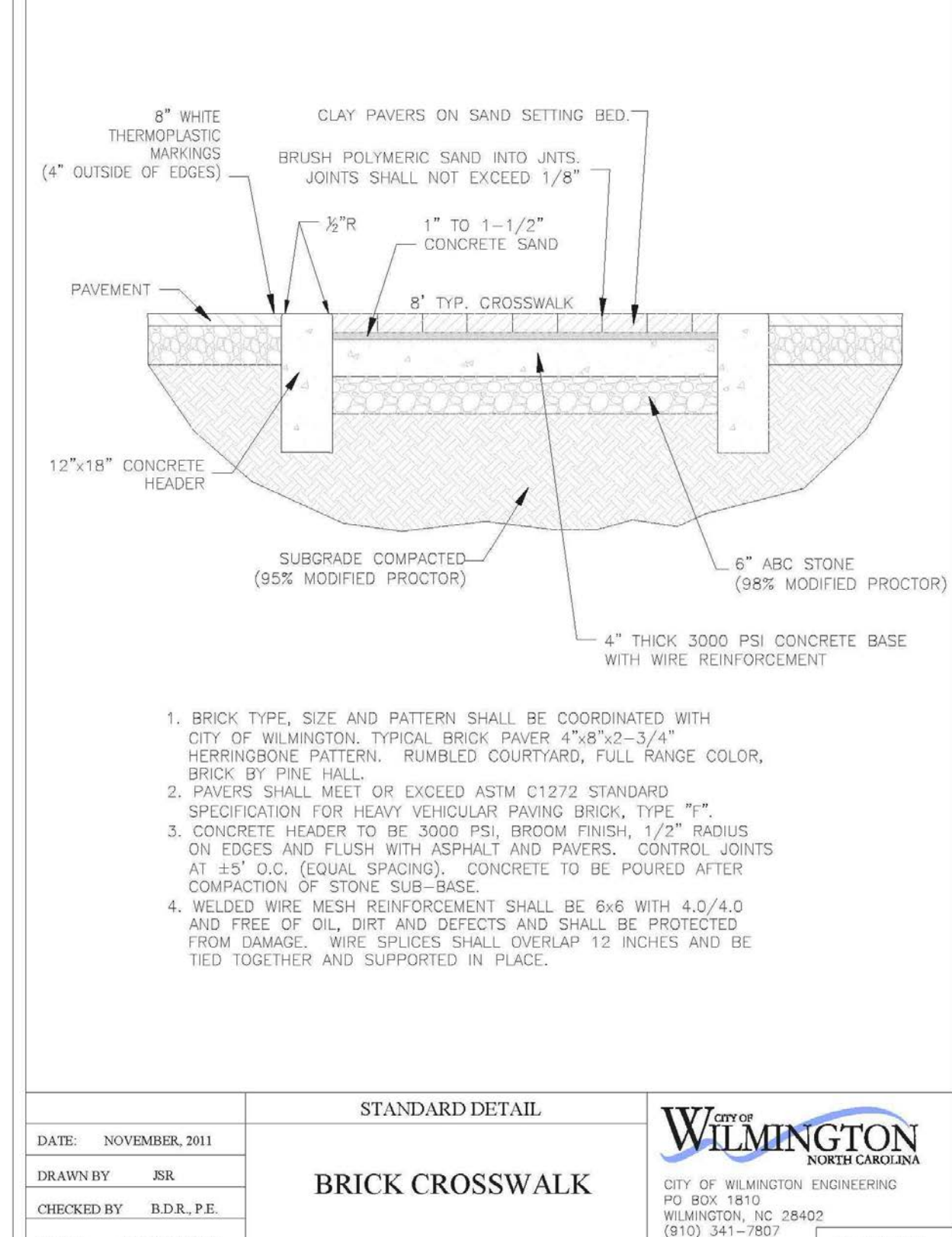
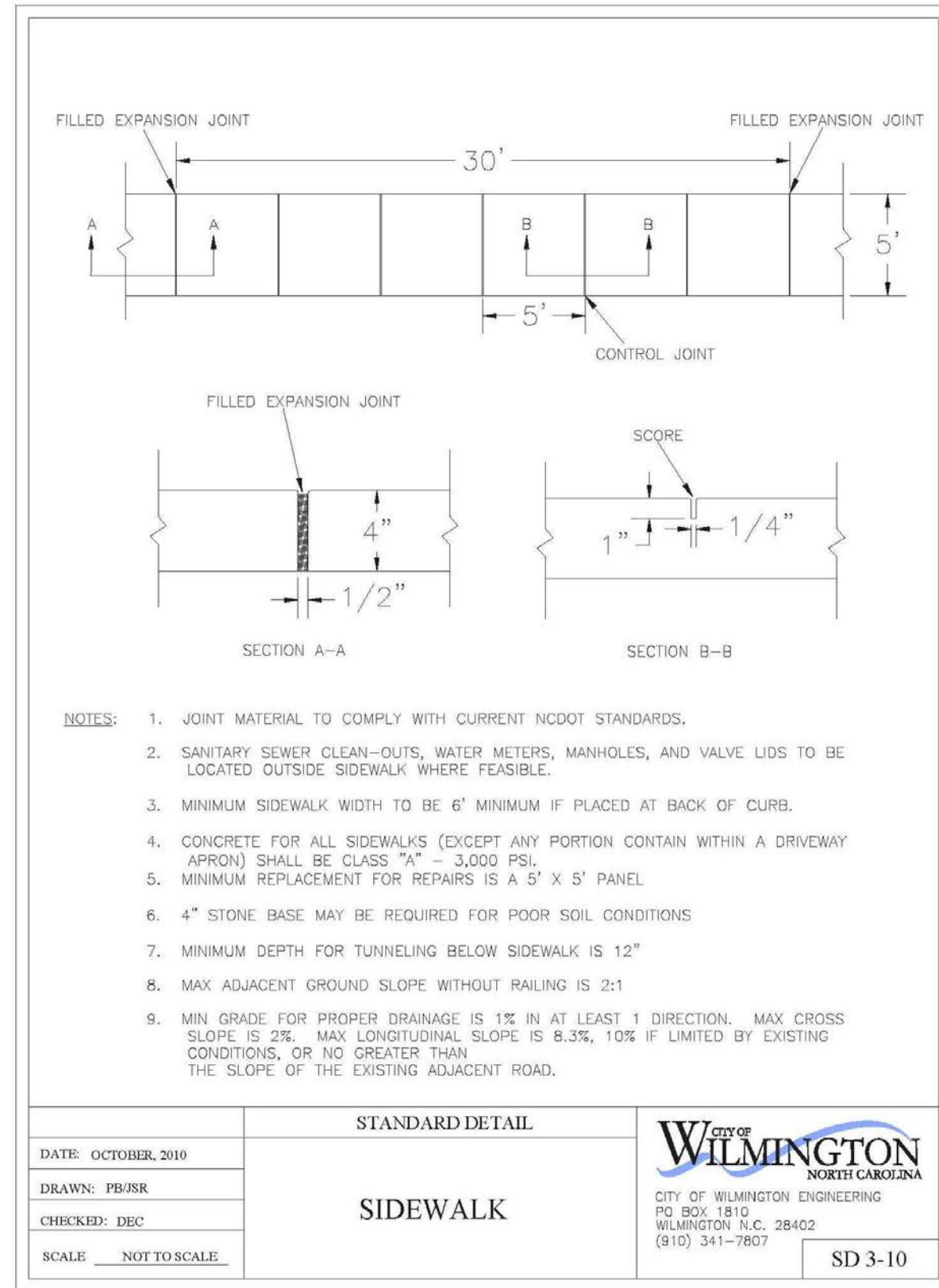
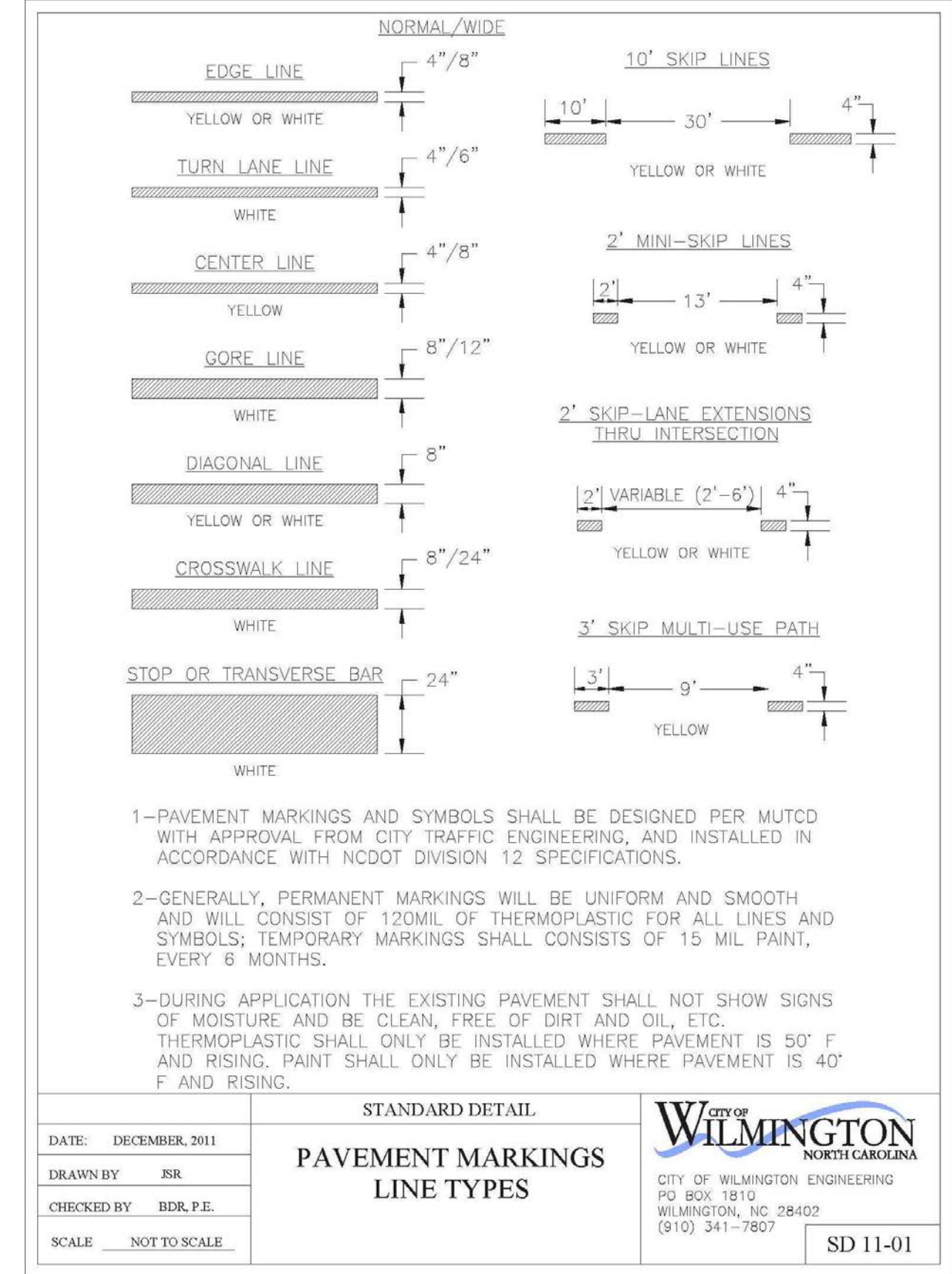
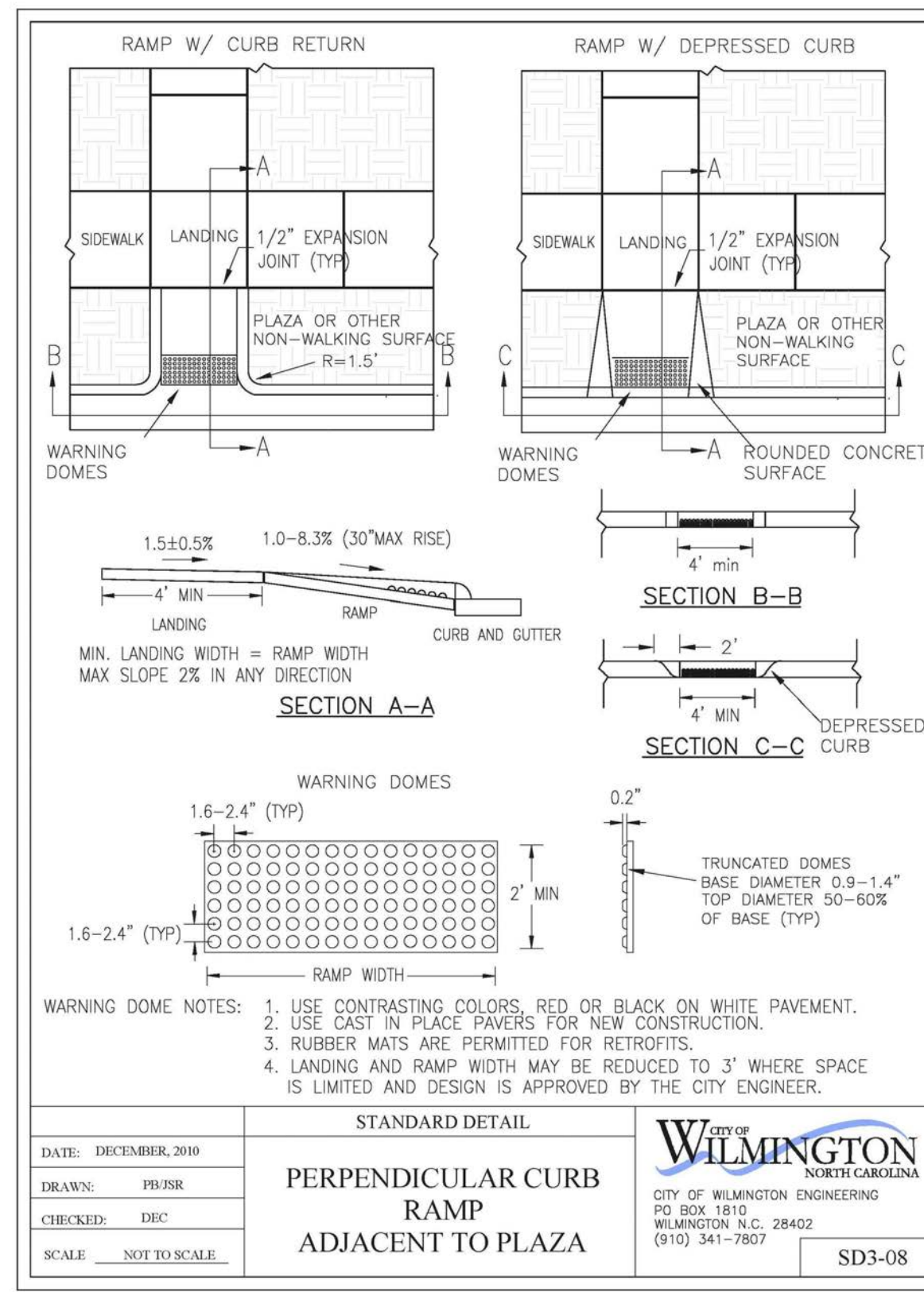
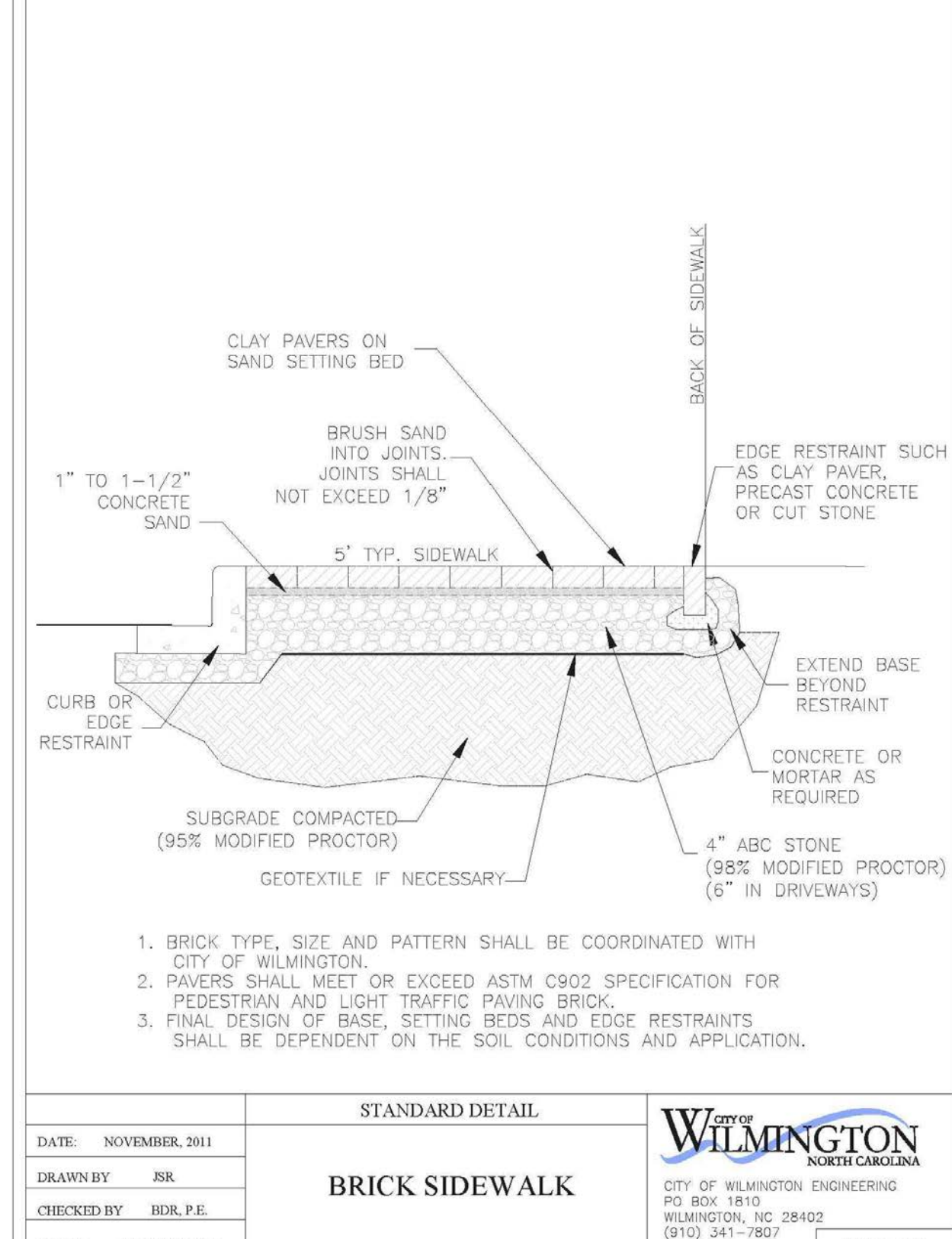
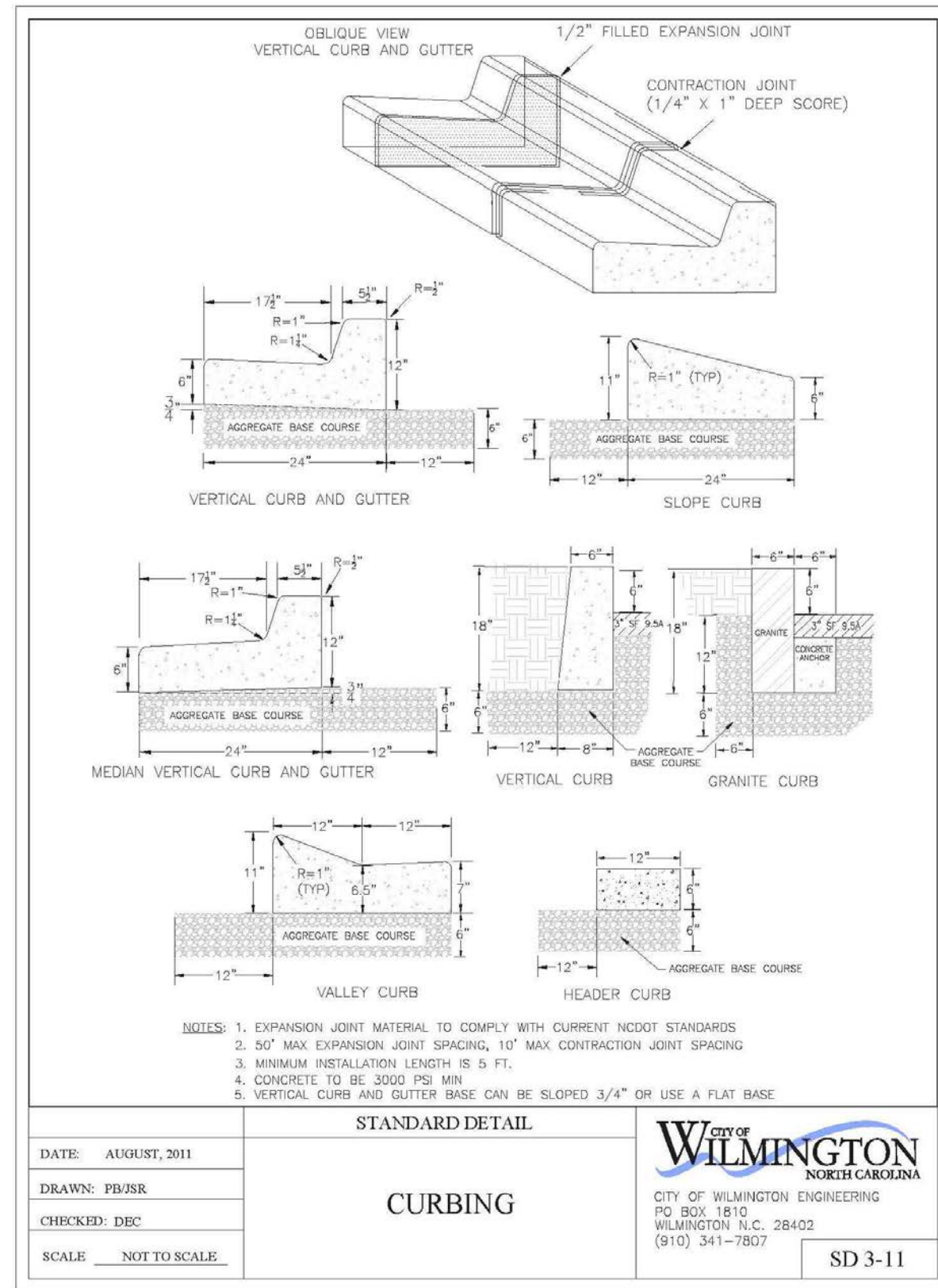
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DRAWN BY: RJK
CHECKED BY: RJK

SCALE: NORTH

VERT: N/A
HORZ: AS SHOWN

SHEET TITLE: SITE DETAILS

SHEET NUMBER: C3-02



KEY MAP

SEAL

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PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

O:\2015 - Charlotte\1015249\CAD\Construction Documents\Details\Pipe Bollard.jpg

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

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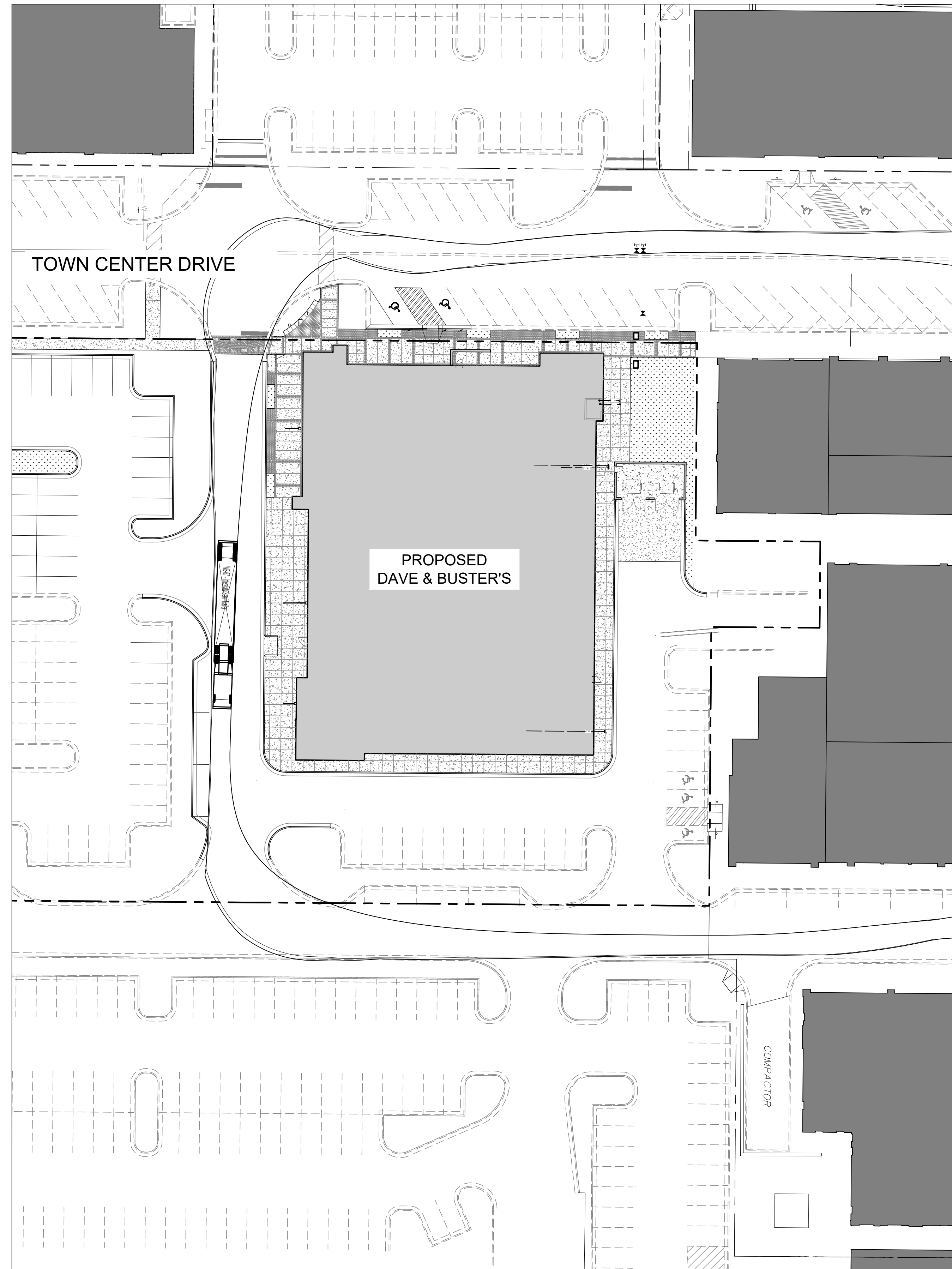
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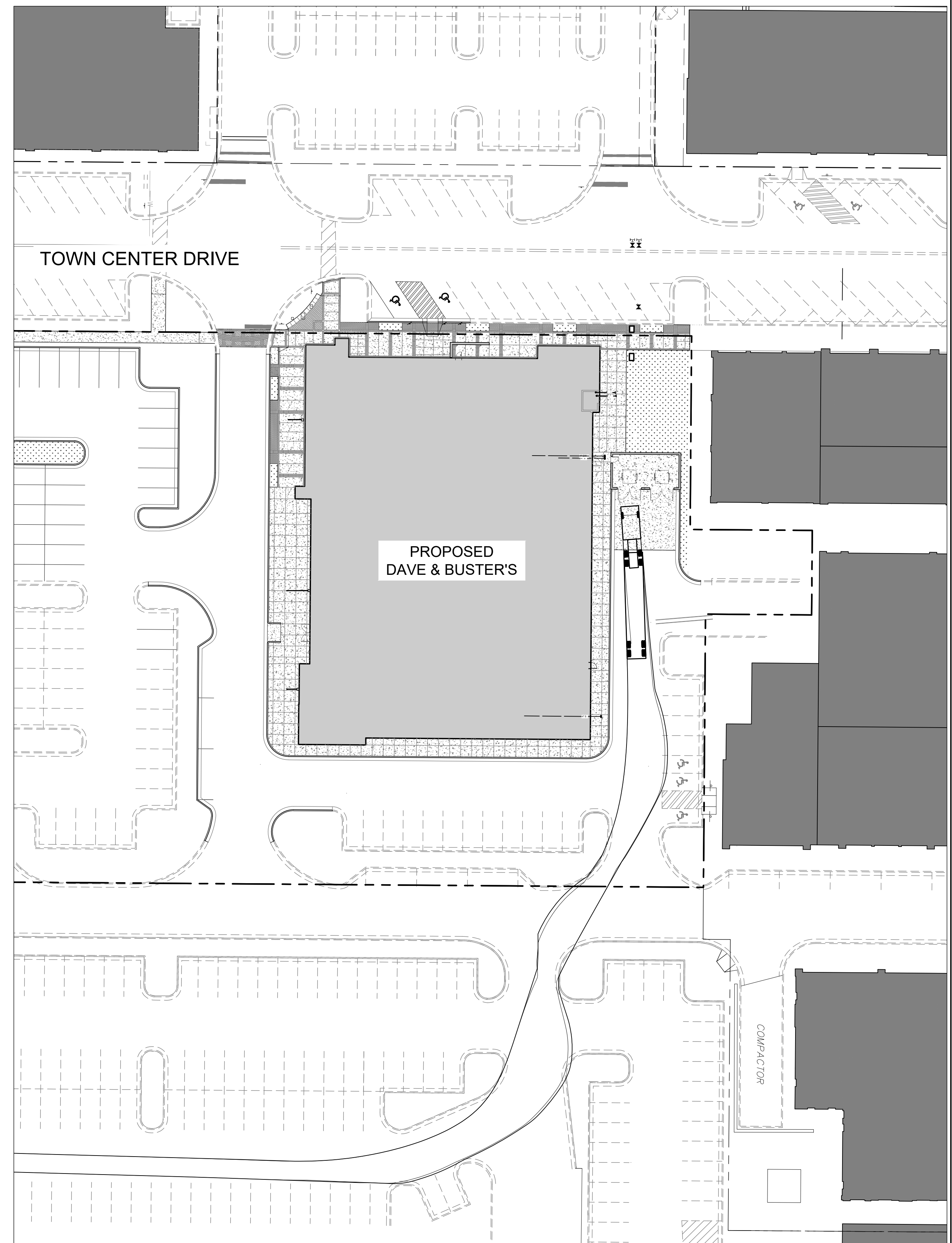
SITE DETAILS

SHEET NUMBER

C3-03



WB-67



WB-62

KEY MAP

SEAL

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PROJECT

**DAVE & BUSTER'S
- MAYFAIRE**

MAYFAIRE TOWN CENTER
WILMINGTON, NC

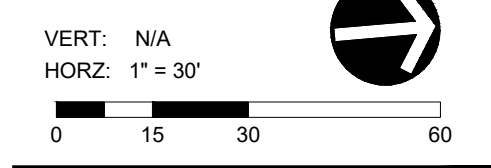
LANDDESIGN PROJ.# 1023073

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SCALE NORTH

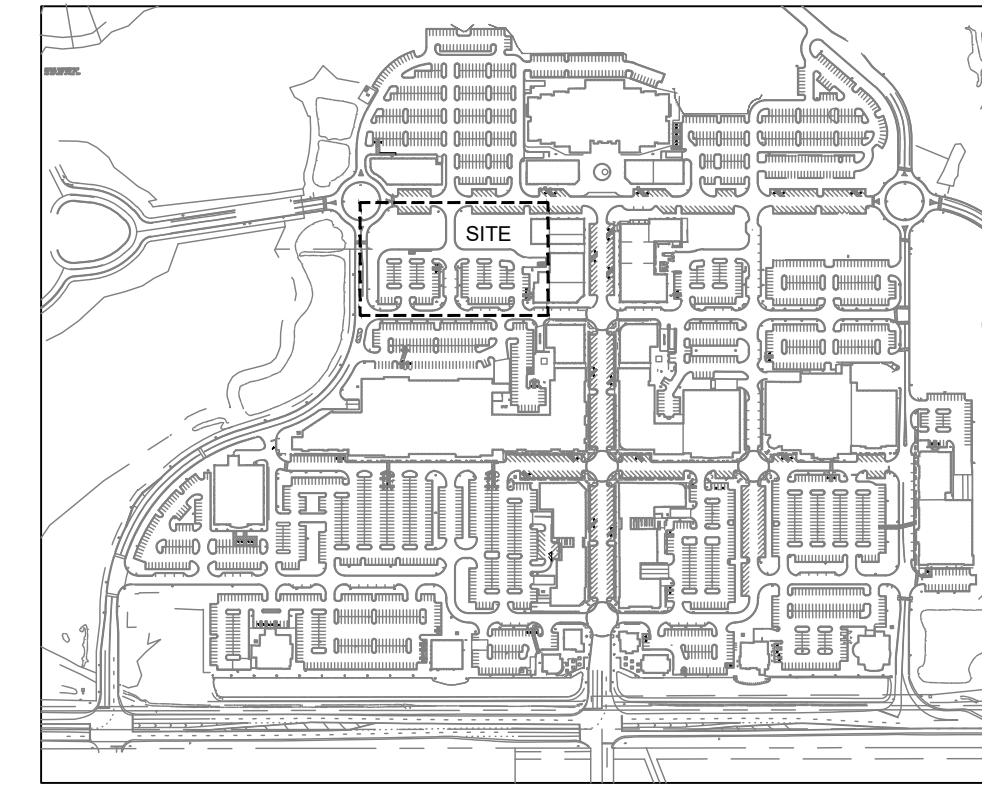


SHEET TITLE

TURNING MOVEMENTS

SHEET NUMBER

C3-04



SITE LOCATION MAP N.T.S.

ROOF DRAIN NOTES:

1. ROOF DRAIN CLEANOUT TOPS SHALL BE FLUSH WITH FINISHED GRADE/SURFACE.
2. ALL ROOF LEADER INVERTS SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.
3. MATCH PIPE CROWNS WHEN SMALLER SIZED ROOF DRAIN PIPE CONNECTS TO LARGER ROOF DRAIN PIPE. INVERT SHOWN AT CLEANOUTS IS FOR THE LARGER PIPE.
4. BOOT CONNECTORS REQUIRED FOR ALL PLASTIC PIPE CONNECTIONS INTO CONCRETE STORM STRUCTURES.

GENERAL NOTES:

1. ALL MATERIAL SHALL BE DEPOSITED AND COMPACTED IN ACCORDANCE WITH THE NORTH CAROLINA STATEWIDE BUILDING CODE AND GEOTECHNICAL GUIDELINES ESTABLISHED BY A PROFESSIONAL ENGINEER. A DETAILED ENGINEERING REPORT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
2. NO CROSS CONNECTIONS SHALL BE MADE BETWEEN SANITARY SEWER AND STORM SEWER SYSTEMS. NO CONNECTIONS (I.E. FLOOR DRAINS) ARE ALLOWED FROM INSIDE THE BUILDING TO THE STORM SEWER SYSTEM.
3. THERE SHALL BE A MAXIMUM OF A 0.05' DROP AT ALL BUILDING ENTRANCES.
4. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION TO EXISTING ASPHALT AT PROPOSED ENTRANCE.

ADA NOTES:

1. ALL SIDEWALKS AND HANDICAP ACCESS RAMPS SHALL MEET ADA REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN DESIGN INFORMATION AND ADA REQUIREMENTS PRIOR TO CONSTRUCTION.
2. ADA ACCESSIBLE ROUTE SHALL HAVE A 5.0% MAXIMUM LONGITUDINAL SLOPE AND A 2.0% MAXIMUM CROSS SLOPE (EXCLUDING RAMPS).
3. ASPHALT PARKING SPACES SHALL RECEIVE WHITE PAINT.
4. MOUNT SIGNS TO POST WITH GALVANIZED OR CADMIUM PLATED 5/16" DIAMETER STEEL BOLTS, NUTS, AND WASHERS. CONTRACTOR SHALL SUPPLY AND INSTALL 5/16" NYLON WASHERS BETWEEN BOLT HEADS AND SIGN FACE TO PROTECT FINISH.
5. SIGNS SHALL CONFORM TO THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) FOR SIZE, COLOR AND DIMENSIONS.

KEY MAP

SEAL

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PROJECT

**DAVE & BUSTER'S
- MAYFAIRE**

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

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SCALE NORTH

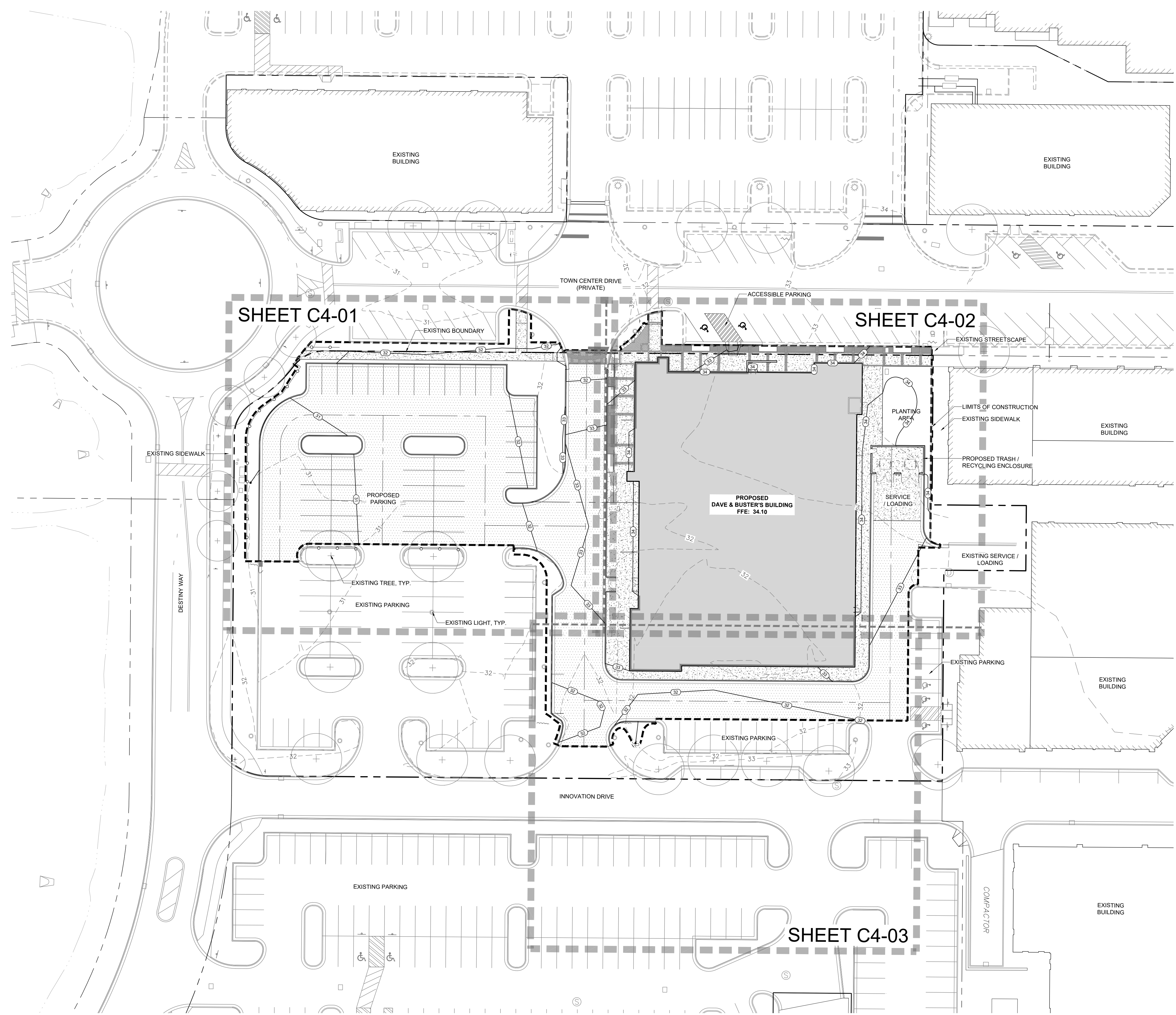
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SHEET TITLE

OVERALL GRADING PLAN

SHEET NUMBER

C4-00



SHEET C4-01

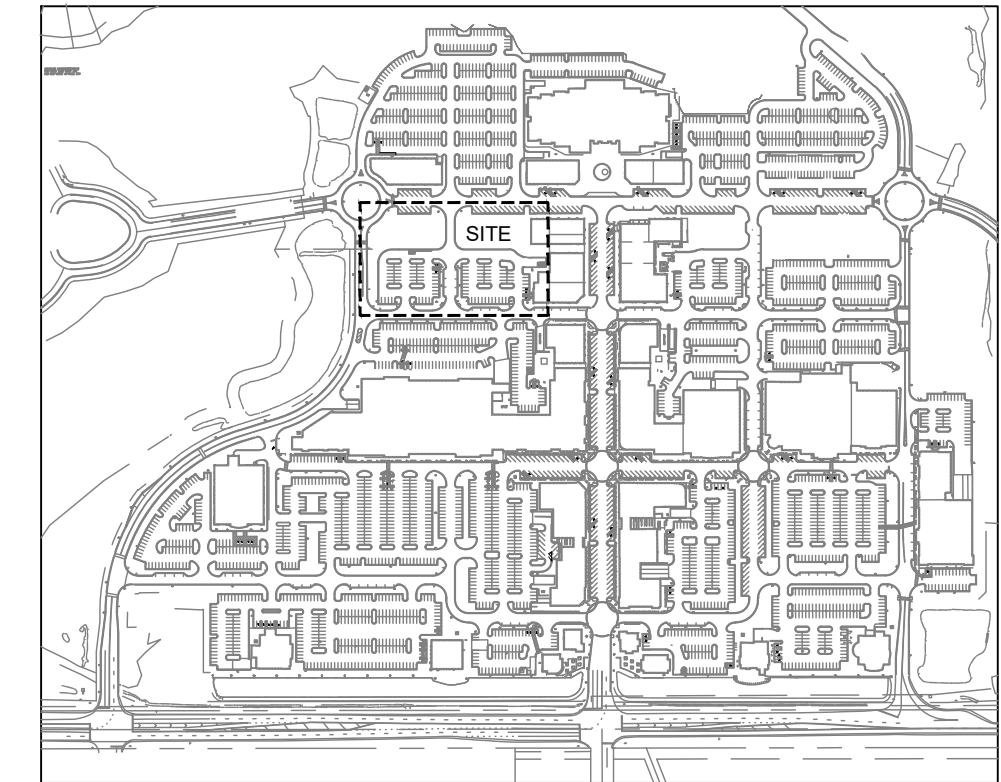
SHEET C4-02

SHEET C4-03

PROPOSED
DAVE & BUSTER'S BUILDING
FFE: 34.10

GRADING LEGEND

- | | |
|--------------------------------------|--------------|
| SPOT ELEVATION | • 000.0 |
| EXISTING TOP OF CURB | • 00.0 EX TC |
| EXISTING BOTTOM OF CURB | • 00.0 EX BC |
| PROPOSED TOP OF CURB | • 00.0 TC |
| PROPOSED BOTTOM OF CURB | • 00.0 BC |
| PROPOSED TOP OF WALL | • 00.0 TW |
| PROPOSED BOTTOM OF WALL | • 00.0 BW |
| DRAIN RIM ELEVATION (FINISHED GRADE) | • 00.0 DI |
| FINISHED SURFACE (FINISHED GRADE) | • 00.0 FG |
| FINISHED FLOOR ELEVATION | 00.0 FFE |
| SLOPE | X% → |
| EXISTING MINOR CONTOUR | --- |
| EXISTING MAJOR CONTOUR | --- |
| PROPOSED MAJOR CONTOUR | --- |
| PROPOSED MINOR CONTOUR | --- |
| CONTOUR LABEL | 32 |
| TREE PROTECTION FENCING | --- |
| LIMITS OF DISTURBANCE | --- |



SITE LOCATION MAP N.T.S.

ROOF DRAIN NOTES:

1. ROOF DRAIN CLEANOUT TOPS SHALL BE FLUSH WITH FINISHED GRADE/SURFACE.
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KEY MAP

SEAL

PRELIMINARY - FOR REVIEW ONLY -

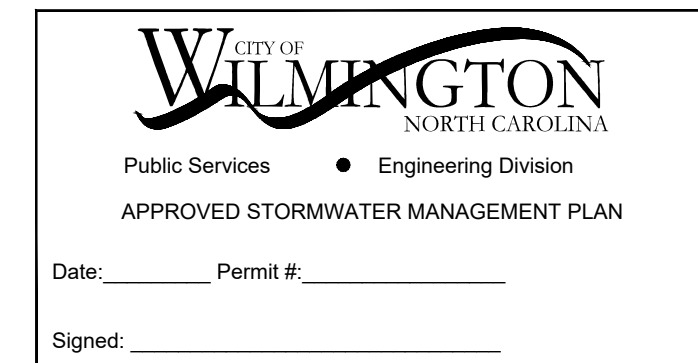
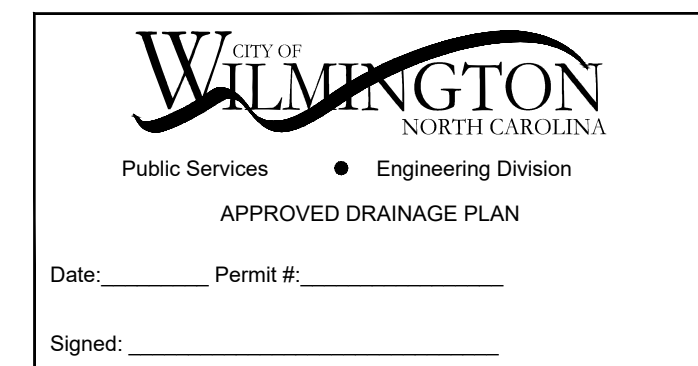
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ENGINEER REG. # DATE

PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC



LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

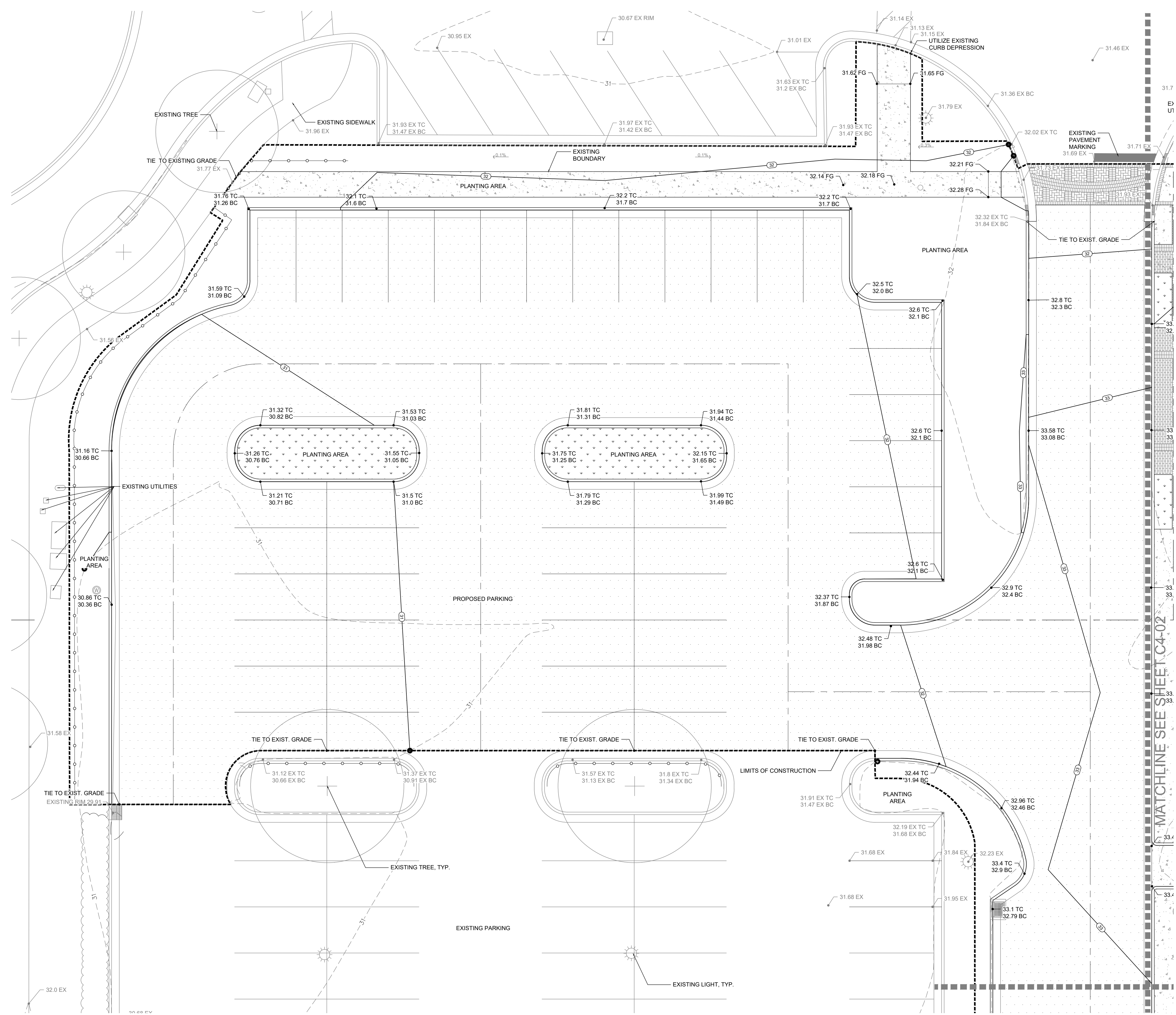
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HORZ: 1"=10'-0"

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DETAILED GRADING PLAN

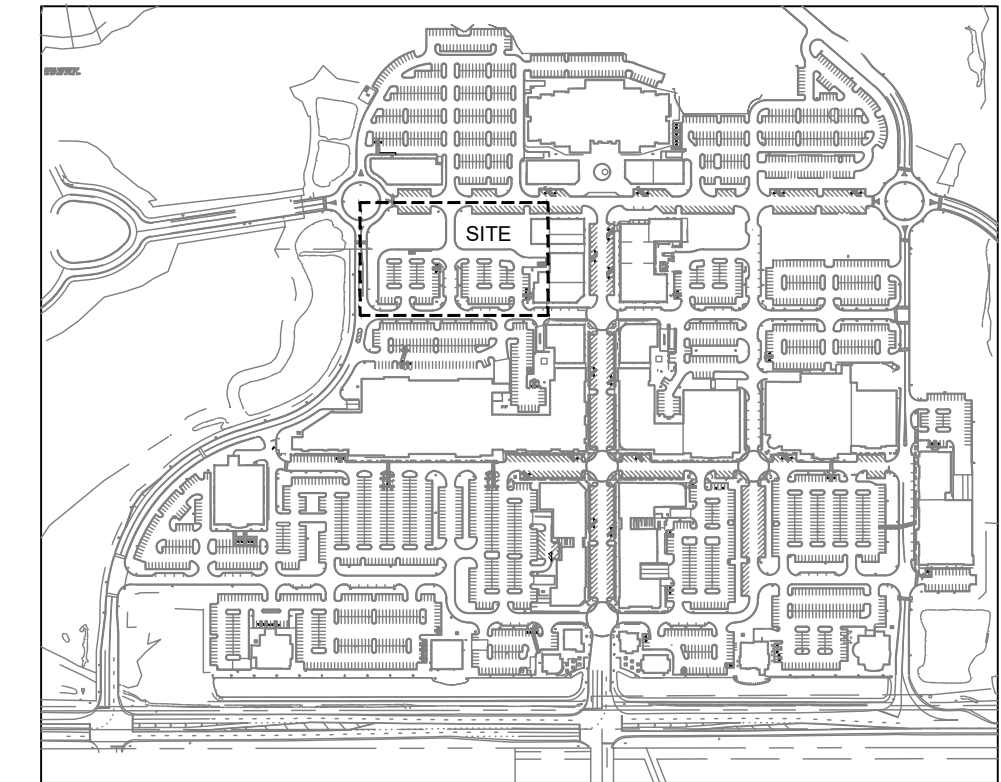
SHEET NUMBER

C4-01



GRADING LEGEND

SPOT ELEVATION	• 000.0
EXISTING TOP OF CURB	• 00.0 EX TC
EXISTING BOTTOM OF CURB	• 00.0 EX BC
PROPOSED TOP OF CURB	• 00.0 TC
PROPOSED BOTTOM OF CURB	• 00.0 BC
PROPOSED TOP OF WALL	• 00.0 TW
PROPOSED BOTTOM OF WALL	• 00.0 BW
DRAIN RIM ELEVATION (FINISHED GRADE)	• 00.0 DI
FINISHED SURFACE (FINISHED GRADE)	• 00.0 FG
FINISHED FLOOR ELEVATION	00.0 FFE
SLOPE	X% ↘
EXISTING MINOR CONTOUR	---
EXISTING MAJOR CONTOUR	---
PROPOSED MAJOR CONTOUR	---
PROPOSED MINOR CONTOUR	---
CONTOUR LABEL	32
TREE PROTECTION FENCING	---
LIMITS OF DISTURBANCE	---



SITE LOCATION MAP

N.T.S.

ROOF DRAIN NOTES:

1. ROOF DRAIN CLEANOUT TOPS SHALL BE FLUSH WITH FINISHED GRADE/SURFACE.
2. ALL ROOF LEADER INVERTS SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.
3. MATCH PIPE CROWNS WHEN SMALLER SIZED ROOF DRAIN PIPE CONNECTS TO LARGER ROOF DRAIN PIPE. INVERT SHOWN AT CLEANOUTS IS FOR THE LARGER PIPE.
4. BOOT CONNECTORS REQUIRED FOR ALL PLASTIC PIPE CONNECTIONS INTO CONCRETE STORM STRUCTURES.

GENERAL NOTES:

1. ALL MATERIAL SHALL BE DEPOSITED AND COMPACTED IN ACCORDANCE WITH THE NORTH CAROLINA STATEWIDE BUILDING CODE AND GEOTECHNICAL GUIDELINES ESTABLISHED BY A PROFESSIONAL ENGINEER. A DETAILED ENGINEERING REPORT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
2. NO CROSS CONNECTIONS SHALL BE MADE BETWEEN SANITARY SEWER AND STORM SEWER SYSTEMS. NO CONNECTIONS (I.E. FLOOR DRAINS) ARE ALLOWED FROM INSIDE THE BUILDING TO THE STORM SEWER SYSTEM.
3. THERE SHALL BE A MAXIMUM OF A 0.05' DROP AT ALL BUILDING ENTRANCES.
4. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION TO EXISTING ASPHALT AT PROPOSED ENTRANCE.

ADA NOTES:

1. ALL SIDEWALKS AND HANDICAP ACCESS RAMPS SHALL MEET ADA REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN DESIGN INFORMATION AND ADA REQUIREMENTS PRIOR TO CONSTRUCTION.
2. ADA ACCESSIBLE ROUTE SHALL HAVE A 5.0% MAXIMUM LONGITUDINAL SLOPE AND A 2.0% MAXIMUM CROSS SLOPE (EXCLUDING RAMPS).
3. ASPHALT PARKING SPACES SHALL RECEIVE WHITE PAINT.
4. MOUNT SIGNS TO POST WITH GALVANIZED OR CADMIUM PLATED 5/16" DIAMETER STEEL BOLTS, NUTS, AND WASHERS. CONTRACTOR SHALL SUPPLY AND INSTALL 5/16" NYLON WASHERS BETWEEN BOLT HEADS AND SIGN FACE TO PROTECT FINISH.
5. SIGNS SHALL CONFORM TO THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) FOR SIZE, COLOR AND DIMENSIONS.

KEY MAP

SEAL

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE: NORTH

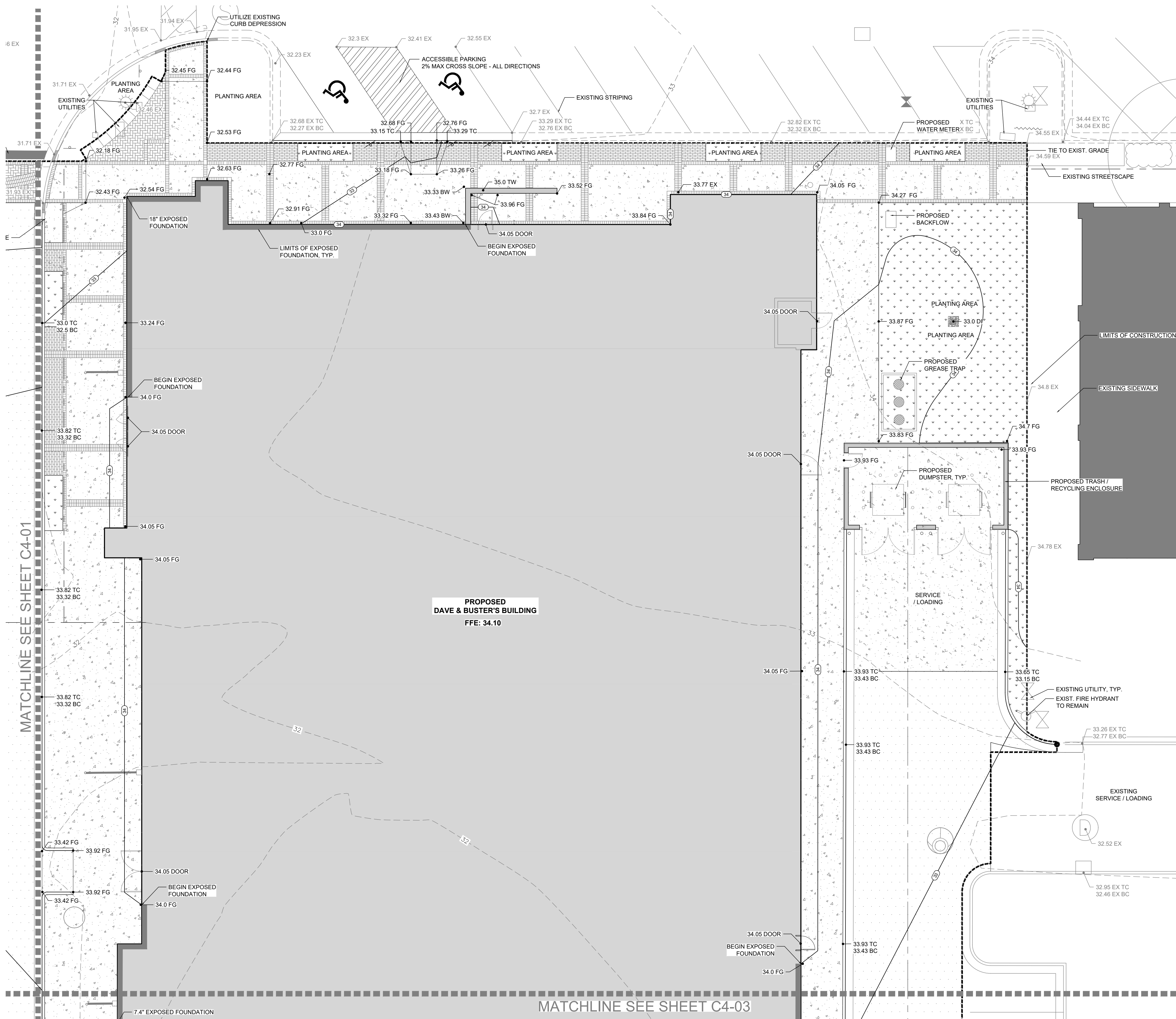
VERT: N/A
HORZ: 1"=10'-0"

0 5 10 20

DETAILED GRADING PLAN

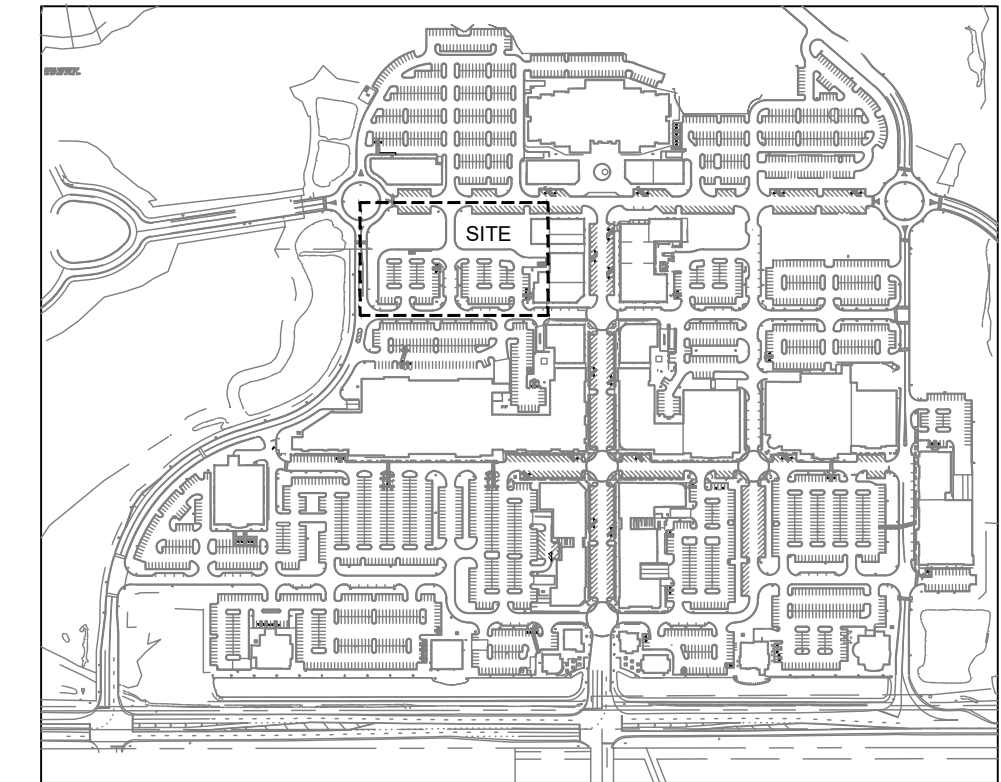
SHEET NUMBER

C4-02



GRADING LEGEND

SPOT ELEVATION	● 000.0
EXISTING TOP OF CURB	● 00.0 EX TC
EXISTING BOTTOM OF CURB	● 00.0 EX BC
PROPOSED TOP OF CURB	● 00.0 TC
PROPOSED BOTTOM OF CURB	● 00.0 BC
PROPOSED TOP OF WALL	● 00.0 TW
PROPOSED BOTTOM OF WALL	● 00.0 BW
DRAIN RIM ELEVATION (FINISHED GRADE)	● 00.0 DI
FINISHED SURFACE (FINISHED GRADE)	● 00.0 FG
FINISHED FLOOR ELEVATION	00.0 FFE
SLOPE	X% →
EXISTING MINOR CONTOUR	--- 32 ---
EXISTING MAJOR CONTOUR	--- 33 ---
PROPOSED MAJOR CONTOUR	--- 34 ---
PROPOSED MINOR CONTOUR	--- 35 ---
CONTOUR LABEL	32
TREE PROTECTION FENCING	○ ○ ○ ○
LIMITS OF DISTURBANCE	-----



SITE LOCATION MAP N.T.S.

ROOF DRAIN NOTES:

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2. ALL ROOF LEADER INVERTS SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE.
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3. THERE SHALL BE A MAXIMUM OF A 0.05' DROP AT ALL BUILDING ENTRANCES.
4. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION TO EXISTING ASPHALT AT PROPOSED ENTRANCE.

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KEY MAP

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

PROJECT

**DAVE & BUSTER'S
- MAYFAIRE**

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
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CHECKED BY: RJK

SCALE NORTH

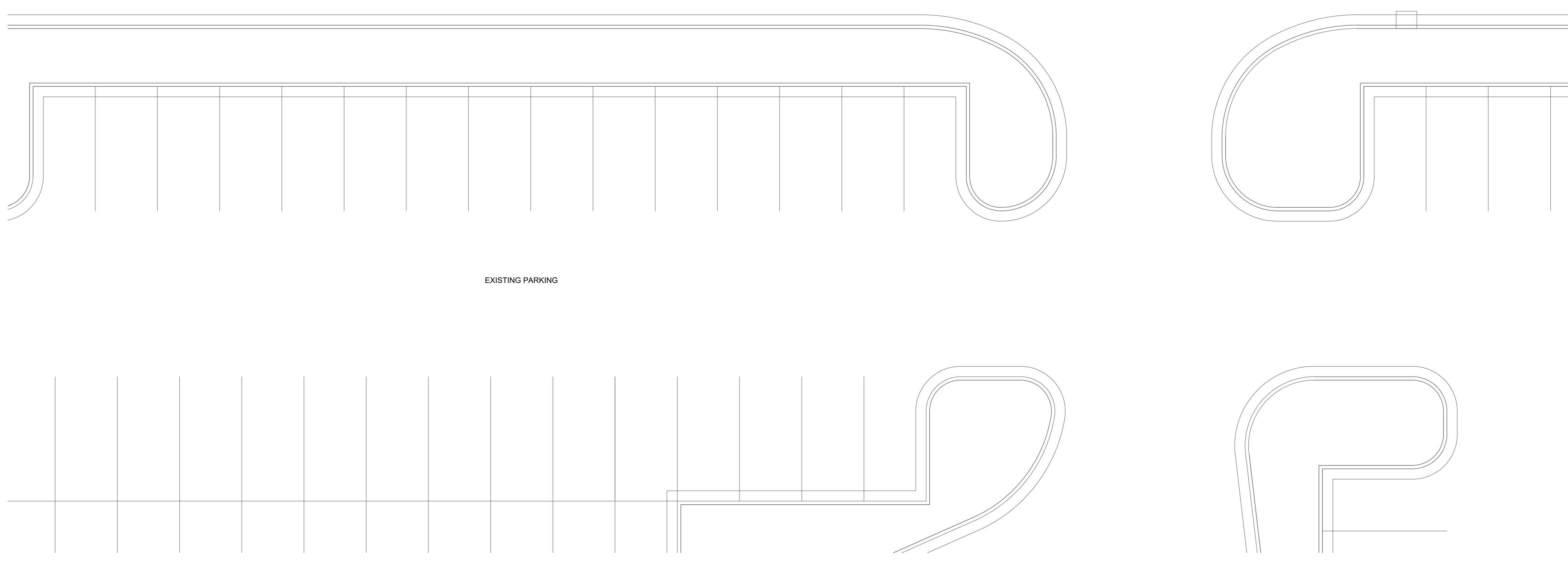
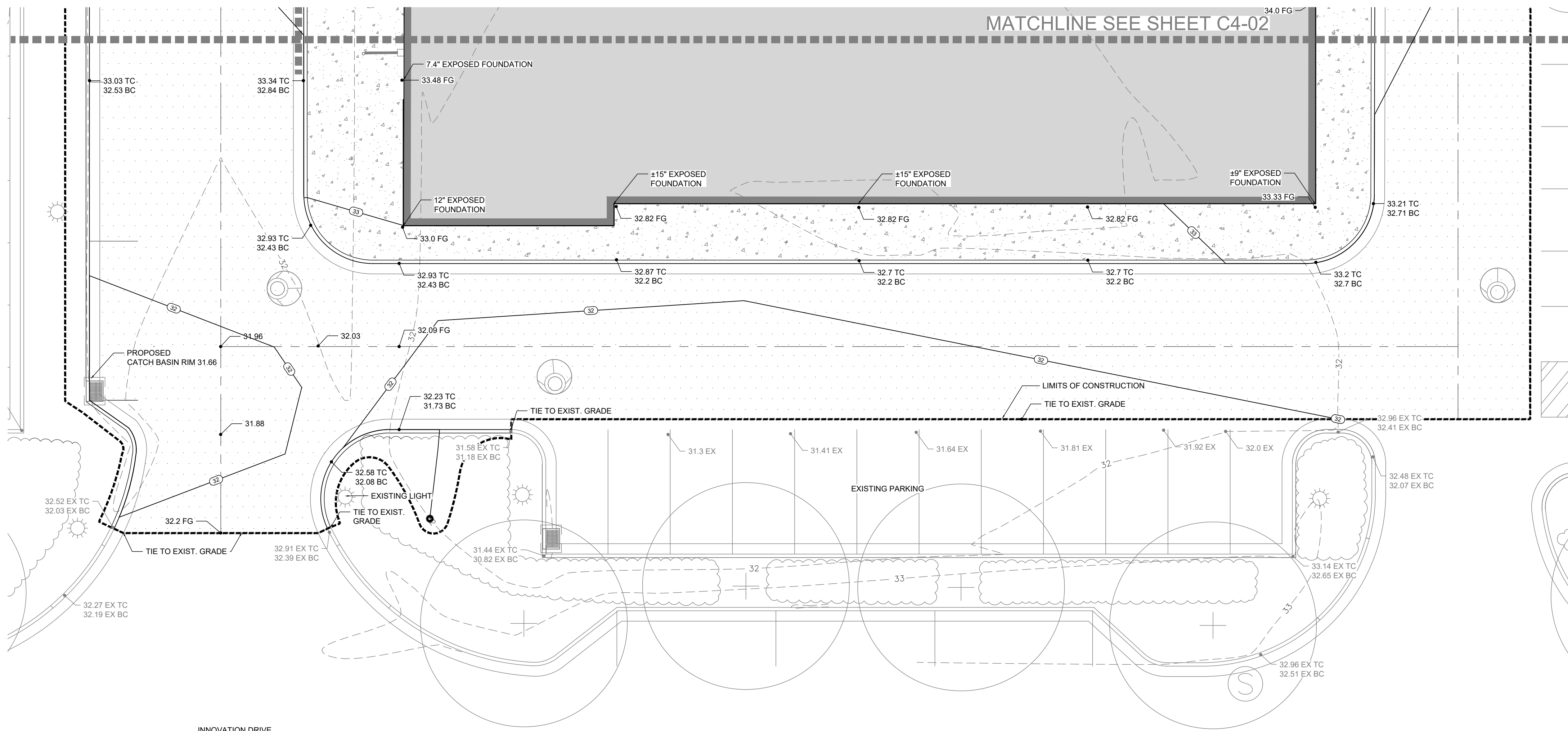
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HORZ: 1"=10'-0"
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SHEET TITLE

DETAILED GRADING PLAN

SHEET NUMBER

C4-03



GRADING LEGEND

SPOT ELEVATION	● 000.0
EXISTING TOP OF CURB	● 00.0 EX TC
EXISTING BOTTOM OF CURB	● 00.0 EX BC
PROPOSED TOP OF CURB	● 00.0 TC
PROPOSED BOTTOM OF CURB	● 00.0 BC
PROPOSED TOP OF WALL	● 00.0 TW
PROPOSED BOTTOM OF WALL	● 00.0 BW
DRAIN RIM ELEVATION (FINISHED GRADE)	● 00.0 DI
FINISHED SURFACE (FINISHED GRADE)	● 00.0 FG
FINISHED FLOOR ELEVATION	00.0 FFE
SLOPE	X% →
EXISTING MINOR CONTOUR	--- 32 ---
EXISTING MAJOR CONTOUR	--- 32 ---
PROPOSED MAJOR CONTOUR	--- 32 ---
PROPOSED MINOR CONTOUR	--- 32 ---
CONTOUR LABEL	32
TREE PROTECTION FENCING	○ ○ ○ ○
LIMITS OF DISTURBANCE	-----

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit #: _____
Signed: _____

WATERSHED LEGEND

LAND CLASSIFICATION BOUNDARY	---
PROPERTY LINE	---
TOWN CENTER BASIN LINE	---
PROPOSED ON-SITE ROAD	---

KEY MAP

SEAL

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- MAYFAIRE**

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

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SCALE NORTH

VERT: N/A
HORZ: CUSTOM

0 150 300 600

SHEET TITLE

OVERALL WATERSHED PLAN

SHEET NUMBER

C5-00

BRADLEY CREEK WATERSHED
688 AC ±

HOWE CREEK WATERSHED
376 AC ±

DETENTION POND #5
(TIME REDUCTION FEATURE)
TOTAL DRAINAGE AREA = 24.76 AC.
SURFACE AREA = 1.62 AC.

DETENTION POND
(TIME REDUCTION FEATURE)

DETENTION/INFILTRATION #4
(TIME REDUCTION FEATURE)
TOTAL DRAINAGE AREA = 14.98 AC.
SURFACE AREA = 1.27 AC.
ALLOWABLE BUA = 10.48 AC.
PER PLAN BUA = 9.50 AC.

DETENTION POND #6
(TIME REDUCTION FEATURE)
TOTAL DRAINAGE AREA = 25.05 AC.
SURFACE AREA = 0.94 AC.

DETENTION POND #1
(TIME REDUCTION FEATURE)
TOTAL DRAINAGE AREA = 19.95 AC.
SURFACE AREA = 1.84 AC.
ALLOWABLE BUA = 15.96 AC.
PER PLAN BUA = 15.39 AC.

INFILTRATION AREA #2
TOTAL DRAINAGE AREA = 3.10 AC.

PHASE 1 LIMIT LINE

WETLAND MITIGATION AREA

BIO-CELL AREA #2
(VOLUME REDUCTION FEATURE)

BIO-CELL AREA #1
(VOLUME REDUCTION FEATURE)

DETENTION/INFILTRATION #3
(TIME REDUCTION FEATURE)
TOTAL DRAINAGE AREA = 40.89 AC.
SURFACE AREA = 2.26 AC.
ALLOWABLE BUA = 32.71 AC.
PER PLAN BUA = 30.24 AC.

DETENTION POND
(TIME REDUCTION FEATURE)
(BY OTHERS)

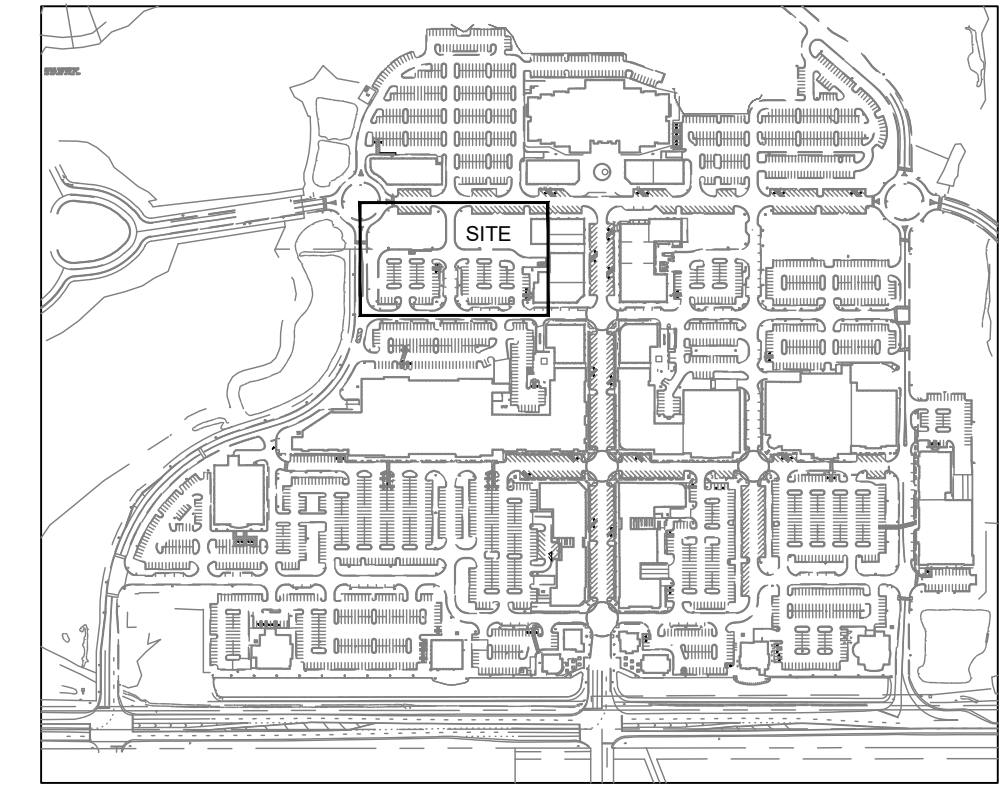
BIO-CELL
(VOLUME REDUCTION FEATURE)
(BY OTHERS)

WETLAND MITIGATION AREA

57% IMPERVIOUS AREA CALCULATIONS
TOTAL AREA: 61.11 ACRES
IMPERVIOUS AREA: 16.06 ACRES
DENSITY: 26.3%

DETENTION POND
(TIME REDUCTION FEATURE)

WETLAND MITIGATION AREA



SITE LOCATION MAP

N.T.S.

ROOF DRAIN NOTES:

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KEY MAP

SEAL

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG. # DATE

PROJECT

DAVE & BUSTER'S
- MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE NORTH

VERT: 1" = 3'
HORZ: 1" = 30'

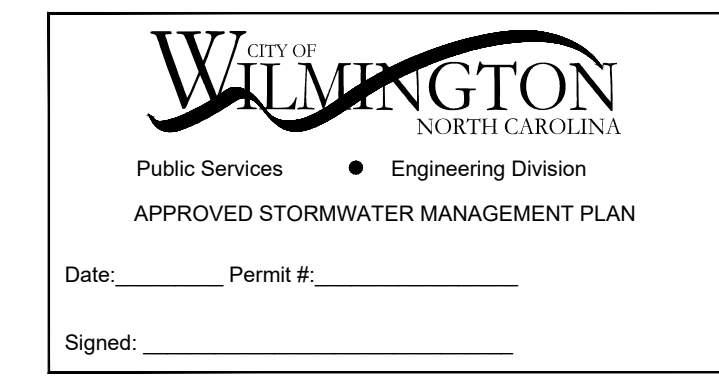
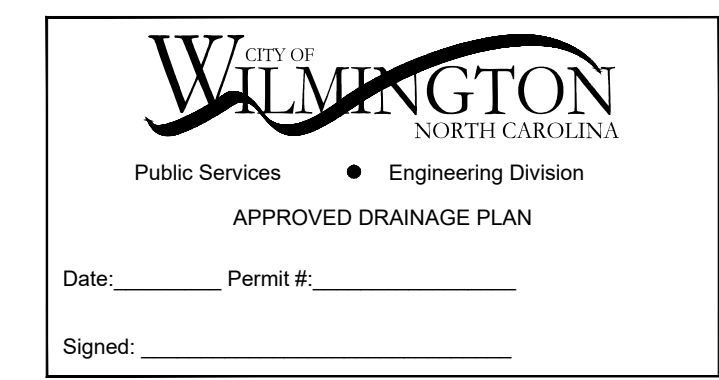
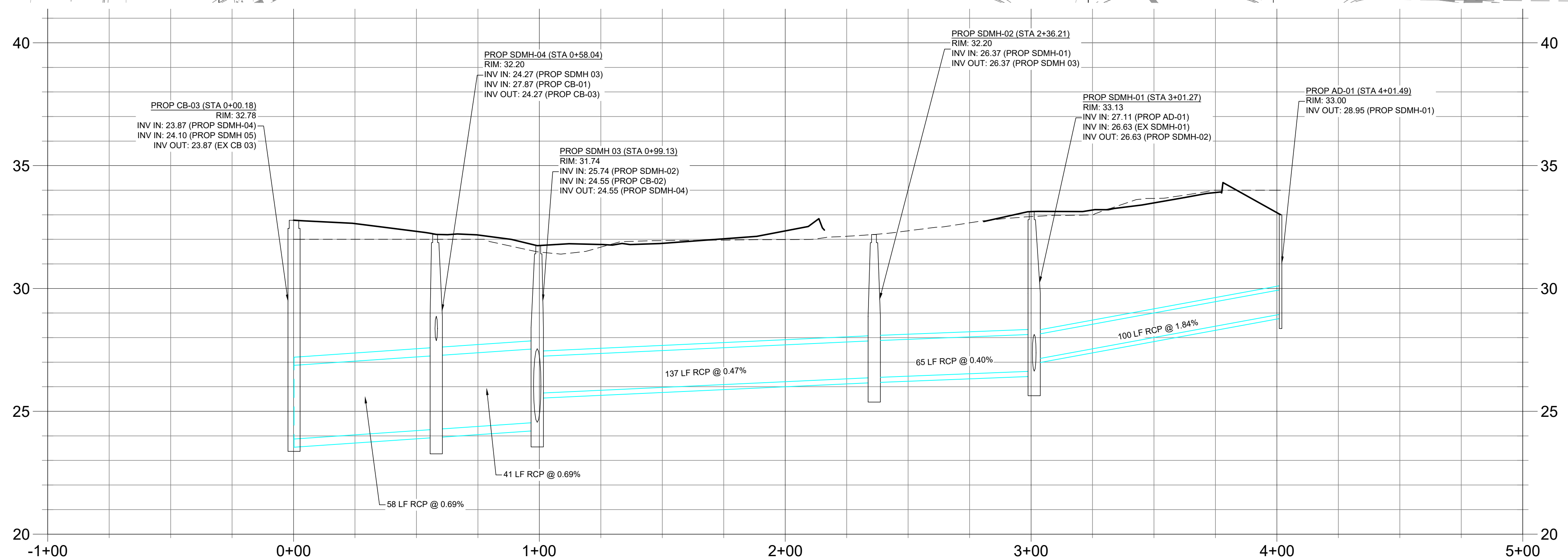
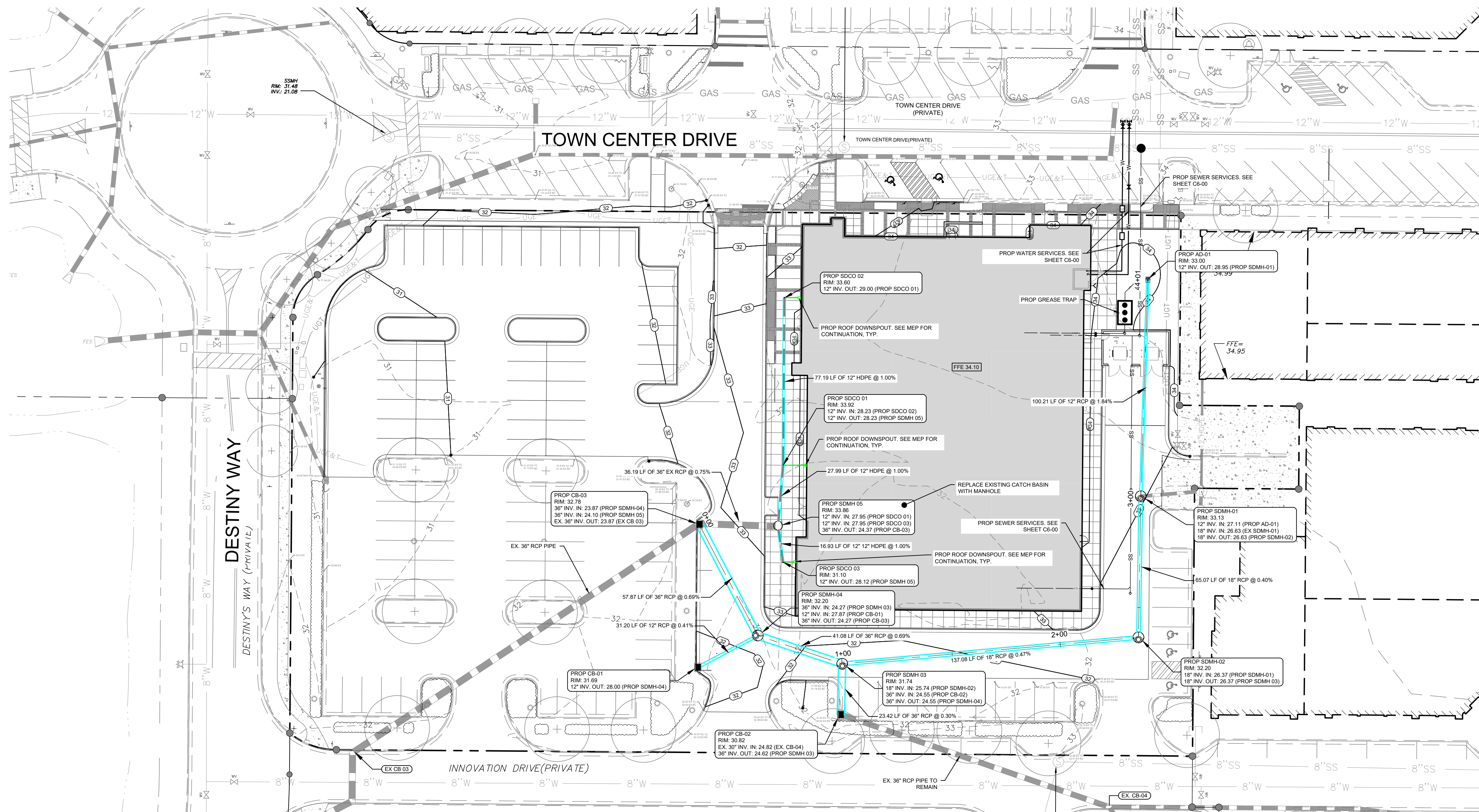
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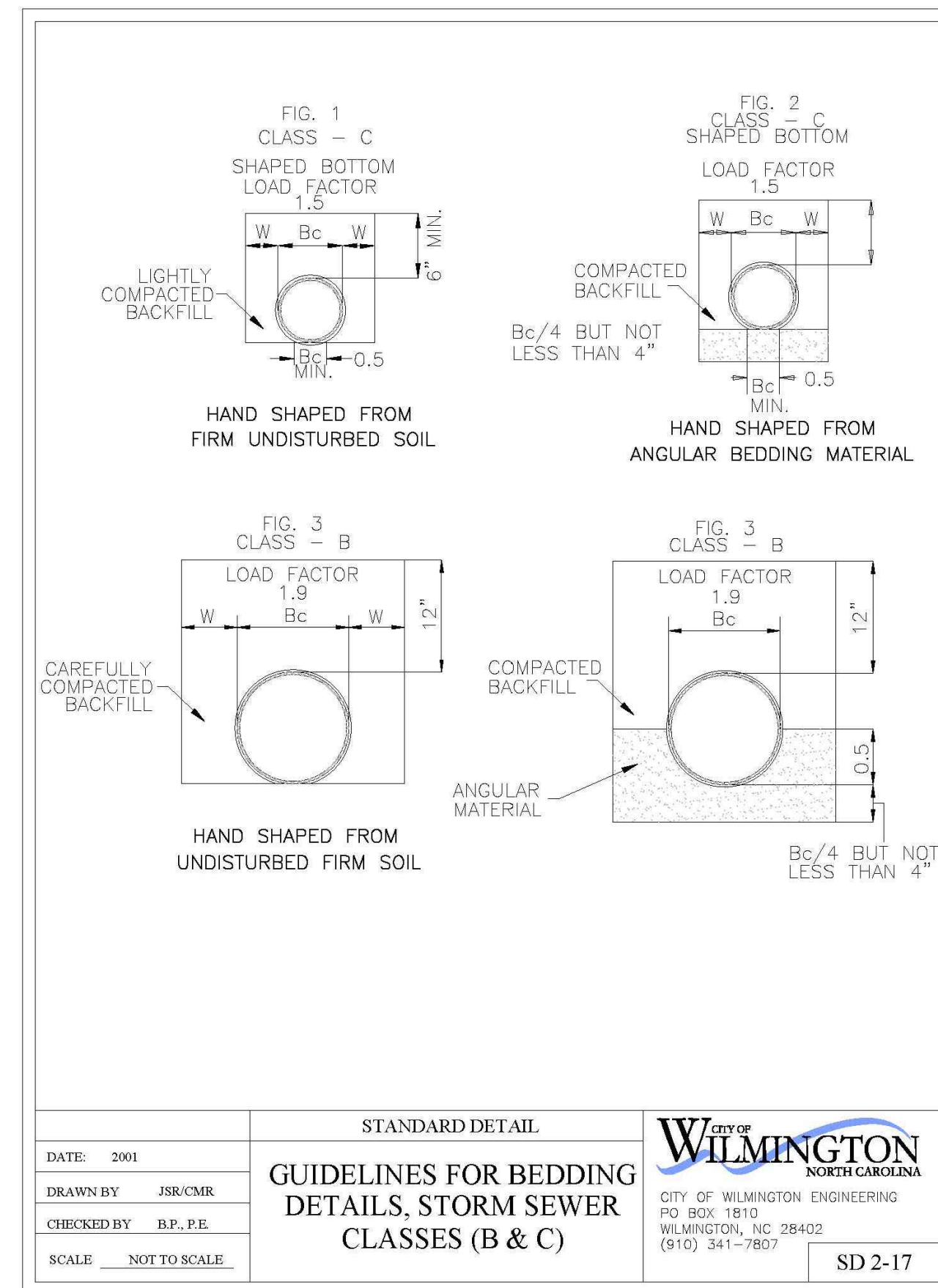
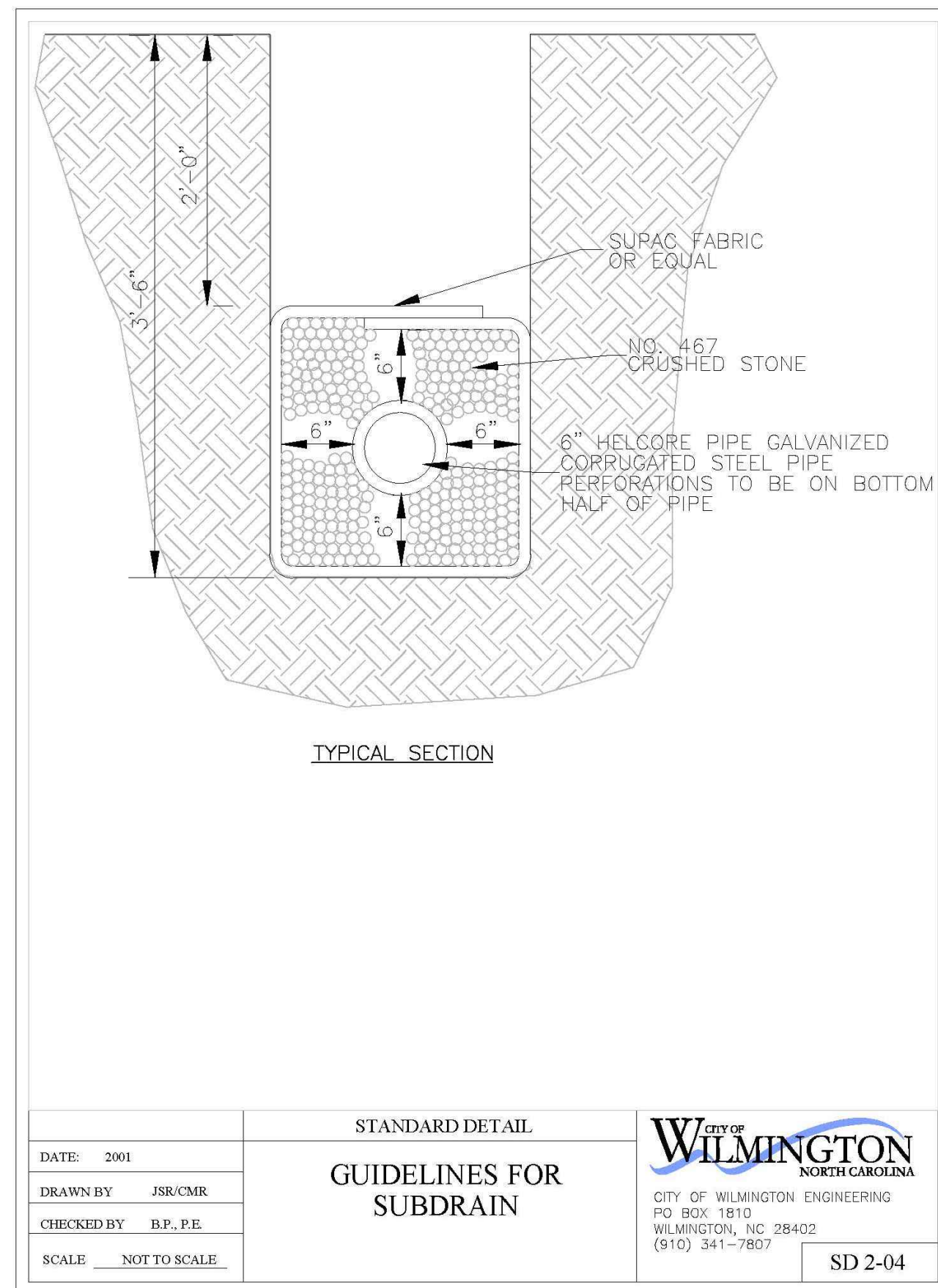
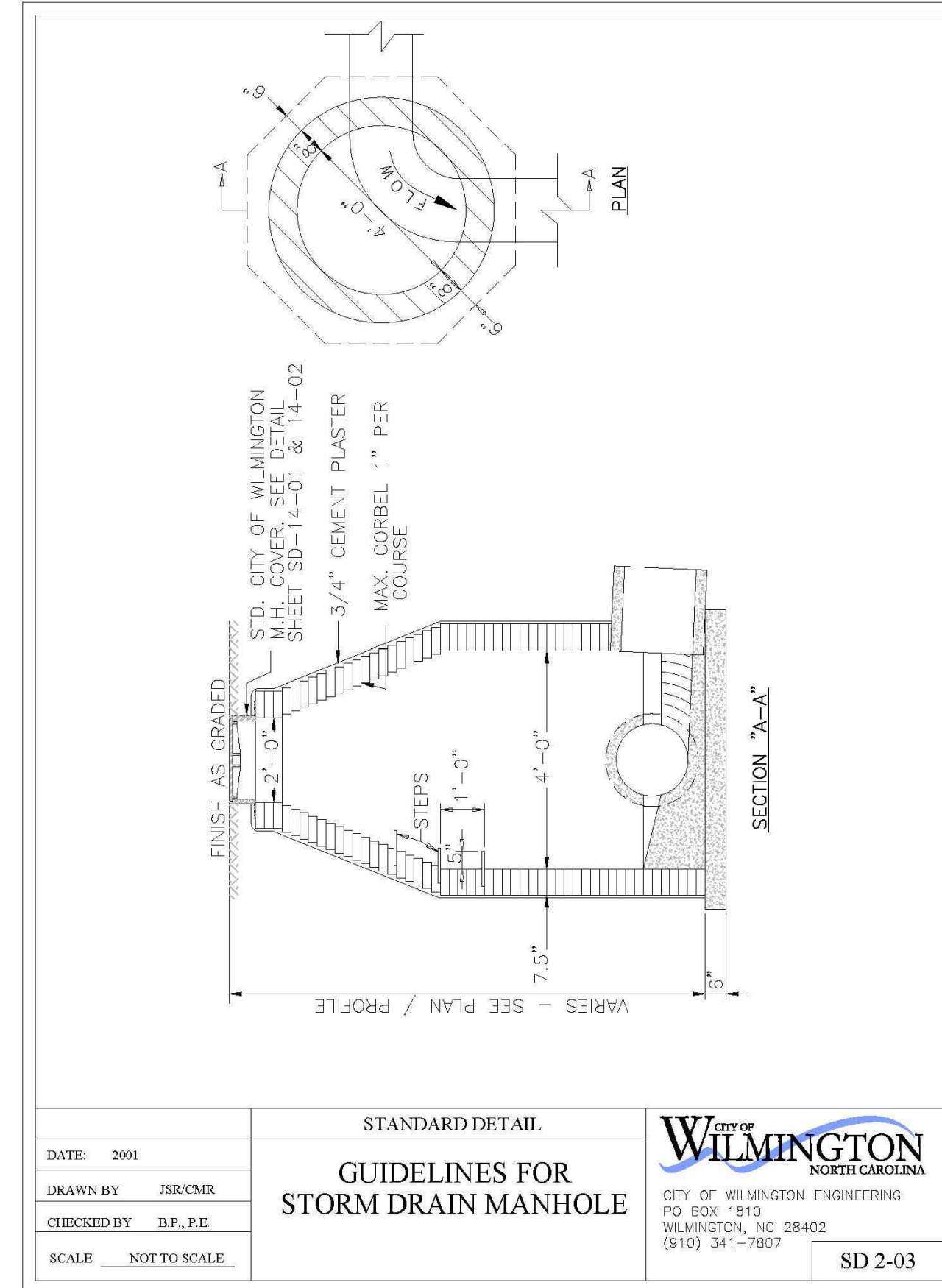
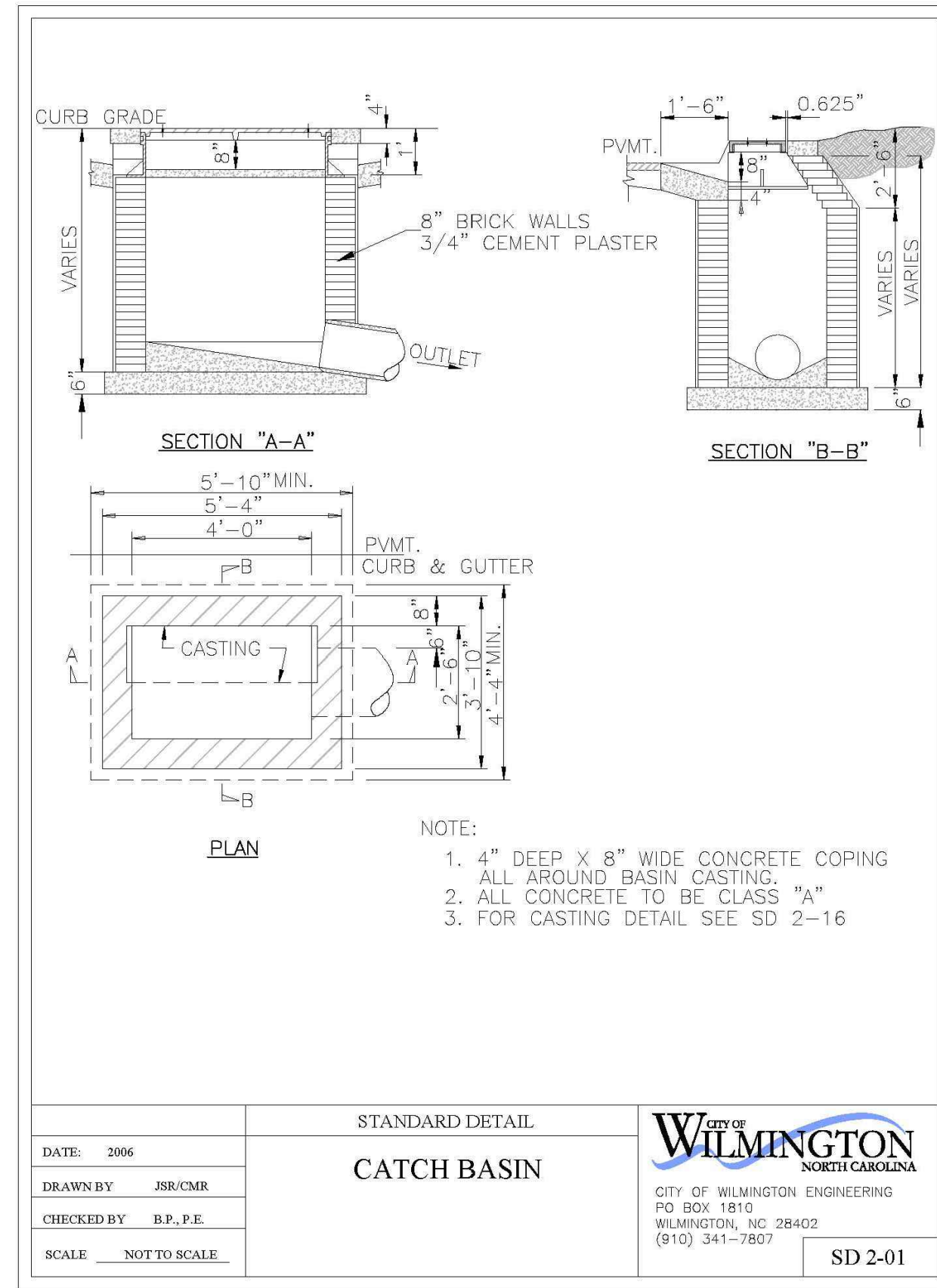
SHEET TITLE

STORM DRAINAGE PLAN

SHEET NUMBER

C5-01





KEY MAP

SEAL

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DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

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SCALE NORTH

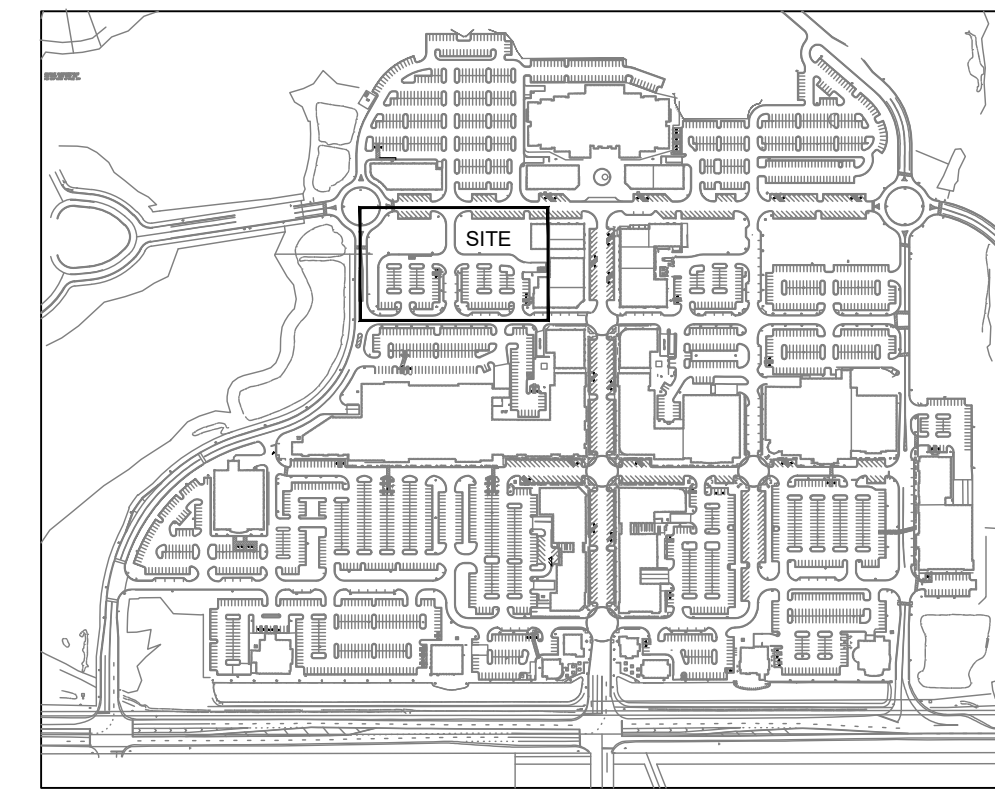
VERT: N/A
HORZ: N/A

SHEET TITLE

STORM DRAINAGE DETAILS

SHEET NUMBER

C5-02



SITE LOCATION MAP

N.T.S.

UTILITY NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL PRIVATE UTILITY CONNECTIONS (ELECTRIC, GAS, CABLE, TELEPHONE, ETC.) AS WELL AS PROVIDING ALL INFRASTRUCTURE REQUIRED BY THE UTILITY COMPANY.
2. ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND.
3. SANITARY SEWER MANHOLES AND CLEANOUTS TO BE INSTALLED FLUSH TO FINISHED GRADE.
4. SANITARY SEWER CLEANOUTS SHALL BE TRAFFIC BEARING IF LOCATED WITHIN ASPHALT. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO OWNER.
5. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
6. ALL SANITARY SEWER LATERALS ARE TO BE 4" PVC (SCH 40@ 2.08% MINIMUM SLOPE UNLESS OTHERWISE NOTED).
7. DOMESTIC WATER SERVICE SHALL HAVE A MINIMUM OF 3' OF GROUND COVER.
8. GATES VALVES ARE TO BE LOCATED WITHIN PAVEMENT.
9. SANITARY SEWER LATERALS SMALLER THAN 8" SHALL HAVE CLEANOUTS AT INTERVALS OF NO MORE THAN 100'. CLEANOUTS SHALL BE PROVIDED FOR SERVICES LINES AND BUILDING DRAINS THAT HAVE HORIZONTAL DIRECTION CHANGES GREATER THAN 45 DEGREES.
10. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL PUBLIC UTILITY IMPROVEMENTS FOLLOWING CONSTRUCTION.
11. HOSE BIBS SHALL BE LOCKABLE AND NON-FREEZE NON-BACK UP TYPE.
12. SANITARY SEWER IS PRIVATELY OWNED AND MAINTAINED.

CFPUA STANDARD NOTES:

1. ALL PROPOSED ADDITIONS TO THE CAPE FEAR PUBLIC UTILITY ALL PROPOSED ADDITIONS TO THE CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) WATER DISTRIBUTION AND SANITARY SEWER COLLECTION SYSTEMS, AS SHOWN AND SPECIFIED HEREIN, SHALL BE DESIGNED AND CONSTRUCTED TO CONFORM TO STATE RULES AND THE CFPUA'S MINIMUM TECHNICAL STANDARDS. THE CFPUA MINIMUM TECHNICAL STANDARDS ARE CONTAINED IN THE CURRENT DESIGN GUIDANCE MANUAL, MATERIAL SPECIFICATION MANUAL, TECHNICAL SPECIFICATIONS FOR CONSTRUCTION, AND STANDARD DRAWING DETAILS.
2. SEWER MANHOLE INSERTS REQUIRED AT ALL MANHOLES; SEWER MANHOLE INSERTS REQUIRED AT ALL MANHOLES; STAINLESS STEEL MANHOLE INSERTS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
3. WATER AND SEWER SERVICES SHALL BE PERPENDICULAR TO WATER AND SEWER SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE 18" INSIDE RIGHT-OF-WAY LINE. SEWER SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN END OF LINE MANHOLE AND TERMINATE 18" INSIDE RIGHT-OF-WAY LINE.
4. ALL SEWER SERVICES CONNECTING INTO DUCTILE IRON MAINS ALL SEWER SERVICES CONNECTING INTO DUCTILE IRON MAINS SHALL ALSO BE CONSTRUCTED OF DIP.
5. MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS. NO FLEXIBLE COUPLINGS SHALL BE USED. NO FLEXIBLE COUPLINGS SHALL BE USED.
6. ALL STAINLESS STEEL FASTENERS SHALL BE TYPE 316. ALL STAINLESS STEEL FASTENERS SHALL BE TYPE 316.
7. CLEANOUTS SHALL BE LOCATED A MINIMUM OF 6 FEET FROM CLEANOUTS SHALL BE LOCATED A MINIMUM OF 6 FEET FROM ALL PROPERTY CORNERS.
8. WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.
9. UNUSED SERVICES SHALL BE ABANDONED. ABANDONED WATER UNUSED SERVICES SHALL BE ABANDONED. ABANDONED WATER SERVICES SHALL BE DISCONNECTED FROM MAIN.
10. A MINIMUM OF 10' OF MAIN LINE, 5' UPSTREAM AND 5' A MINIMUM OF 10' OF MAIN LINE, 5' UPSTREAM AND 5' DOWNSTREAM SHALL BE REPLACED FOR NEW SEWER SERVICE CONNECTIONS TO EXISTING CLAY GRAVITY SEWER MAINS.
11. A MINIMUM OF 20' OF MAIN LINE, 10' UPSTREAM AND 10' A MINIMUM OF 20' OF MAIN LINE, 10' UPSTREAM AND 10' DOWNSTREAM SHALL BE REPLACED FOR NEW CUT IN MANHOLES ON EXISTING CLAY GRAVITY SEWER MAINS.
12. PROVIDE A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN PROVIDE A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN EDGE OF MANHOLE CORE HOLES AND MANHOLE BARREL JOINTS. PROVIDE A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN EDGES OF CORE HOLES. CORING THE MANHOLE CORE IS NOT PERMITTED.
13. WATER MAIN AND FORCE MAIN PIPE INSTALLED BY OPEN CUT WATER MAIN AND FORCE MAIN PIPE INSTALLED BY OPEN CUT SHALL BE BURIED AT A MINIMUM OF THREE (3) FEET AND A MAXIMUM OF FIVE (5) FEET BELOW FINISHED GRADE. DEPTHS GREATER THAN FIVE (5) FEET MUST BE APPROVED BY CFPUA.
14. ALL MANHOLE MAIN LINE AND SERVICE PIPING TO BE ALL MANHOLE MAIN LINE AND SERVICE PIPING TO BE INSTALLED AT A MINIMUM OF CROWN TO CROWN OF THE LARGEST DIAMETER PIPE.

KEY MAP



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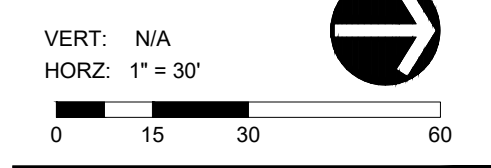
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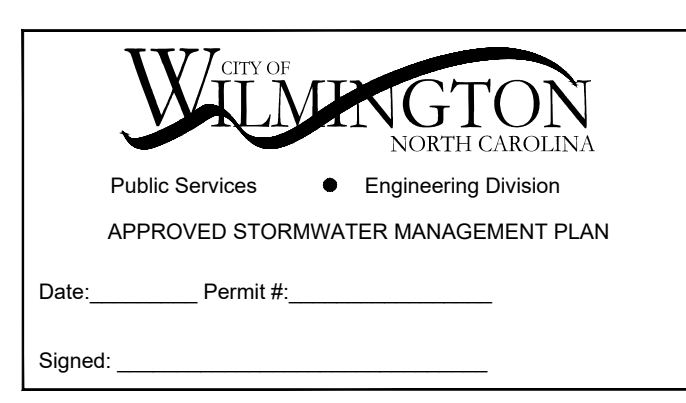
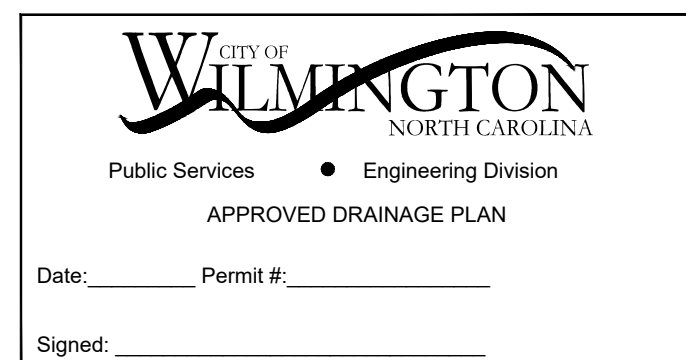
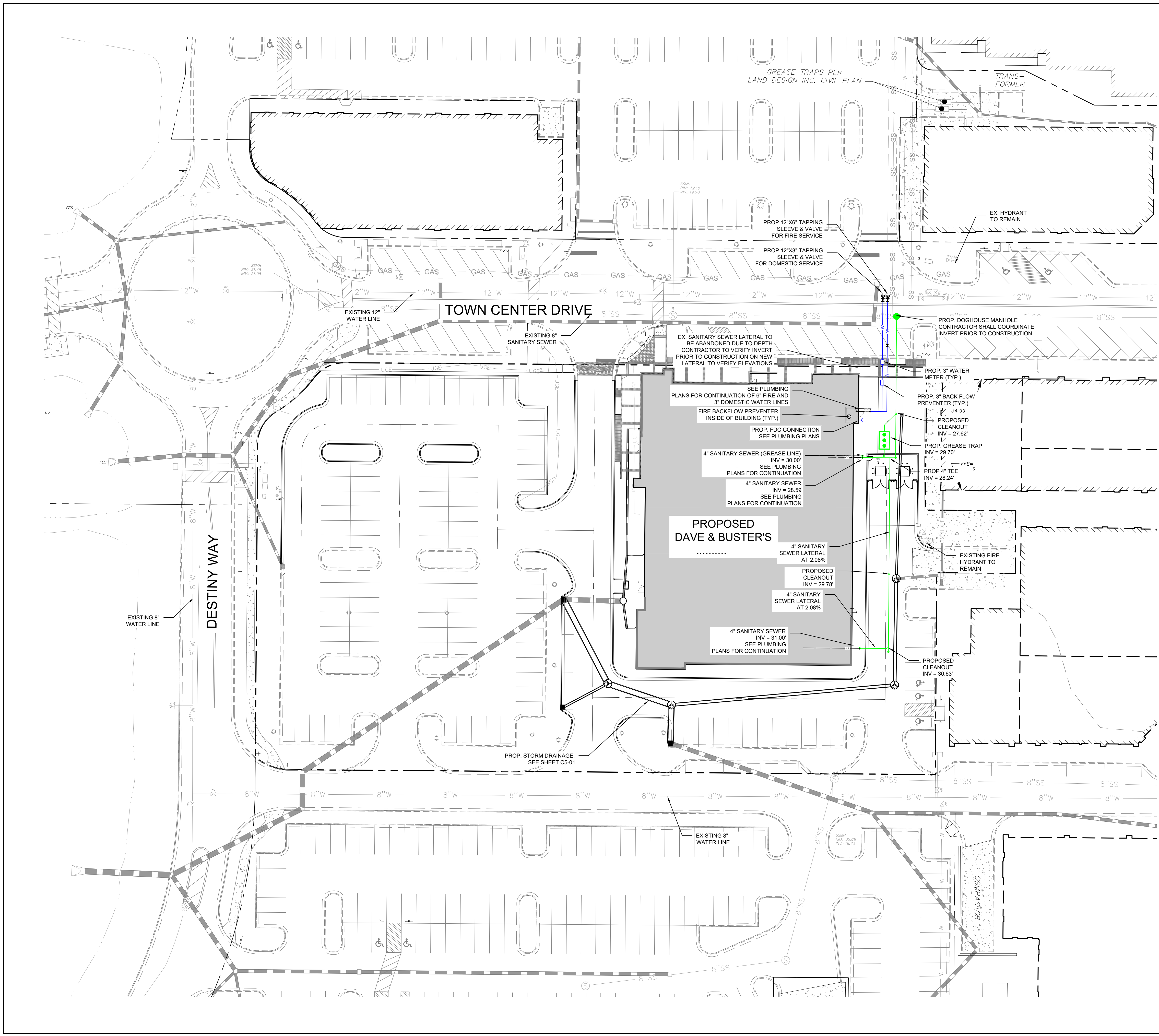
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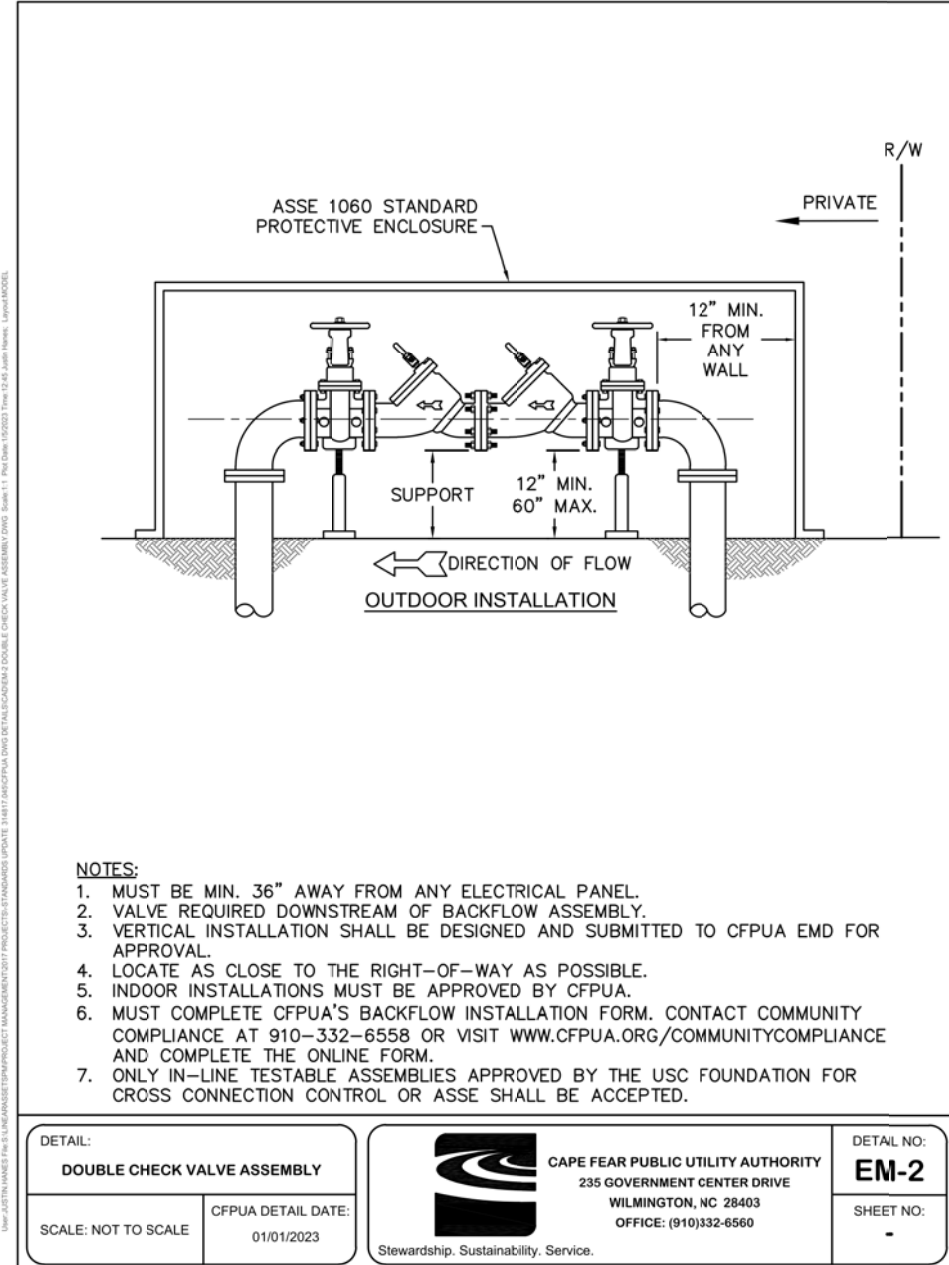
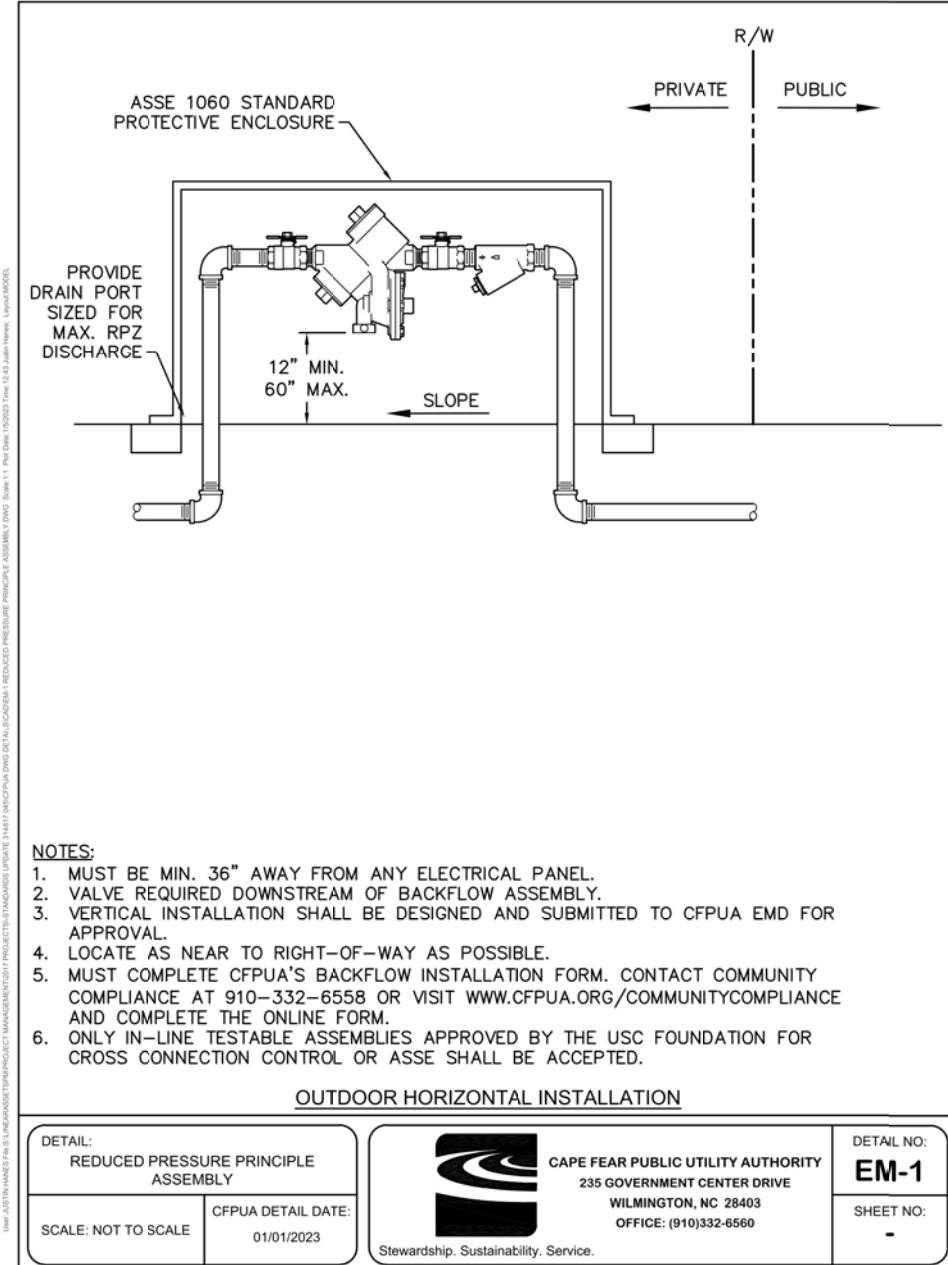
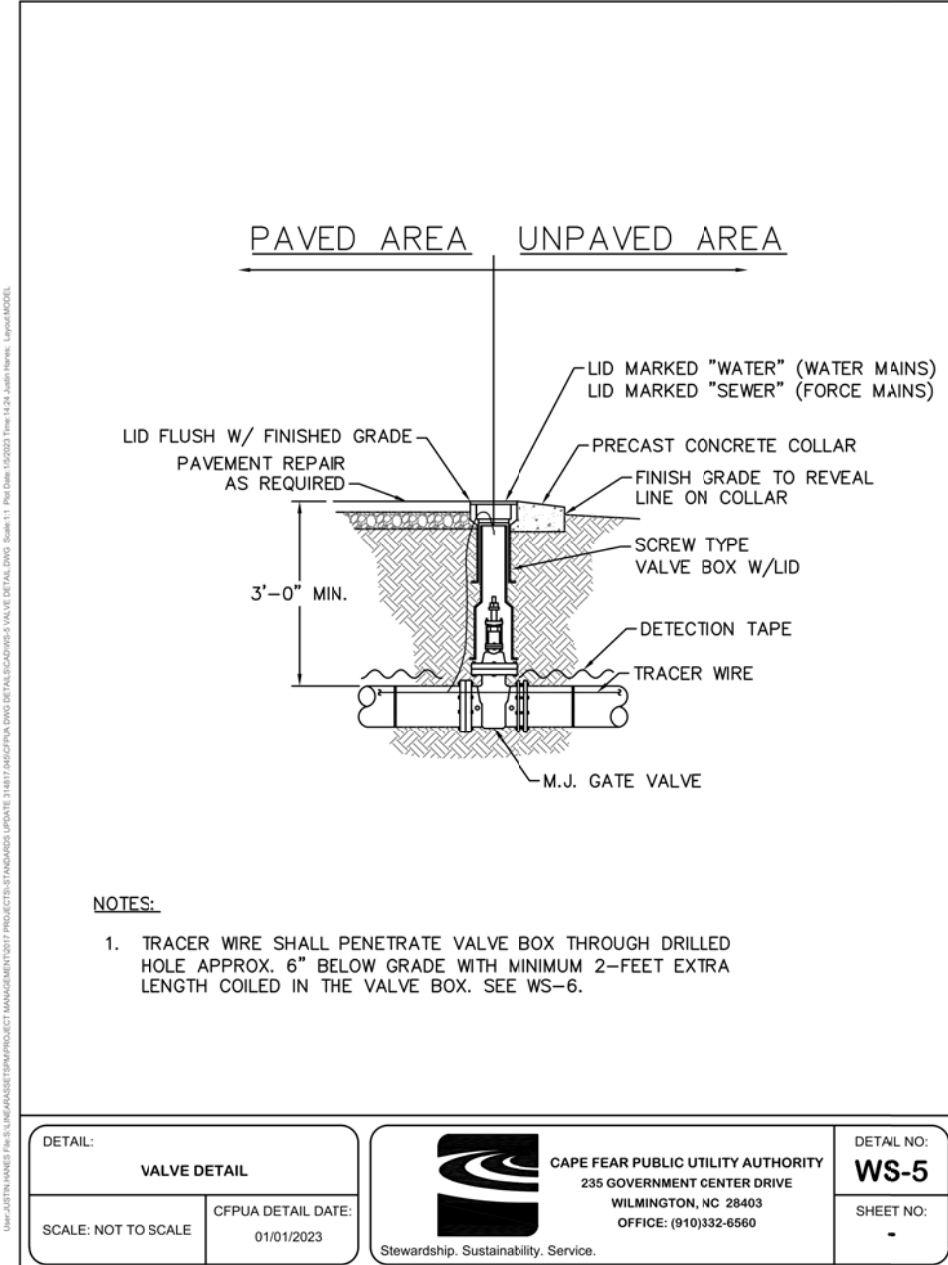
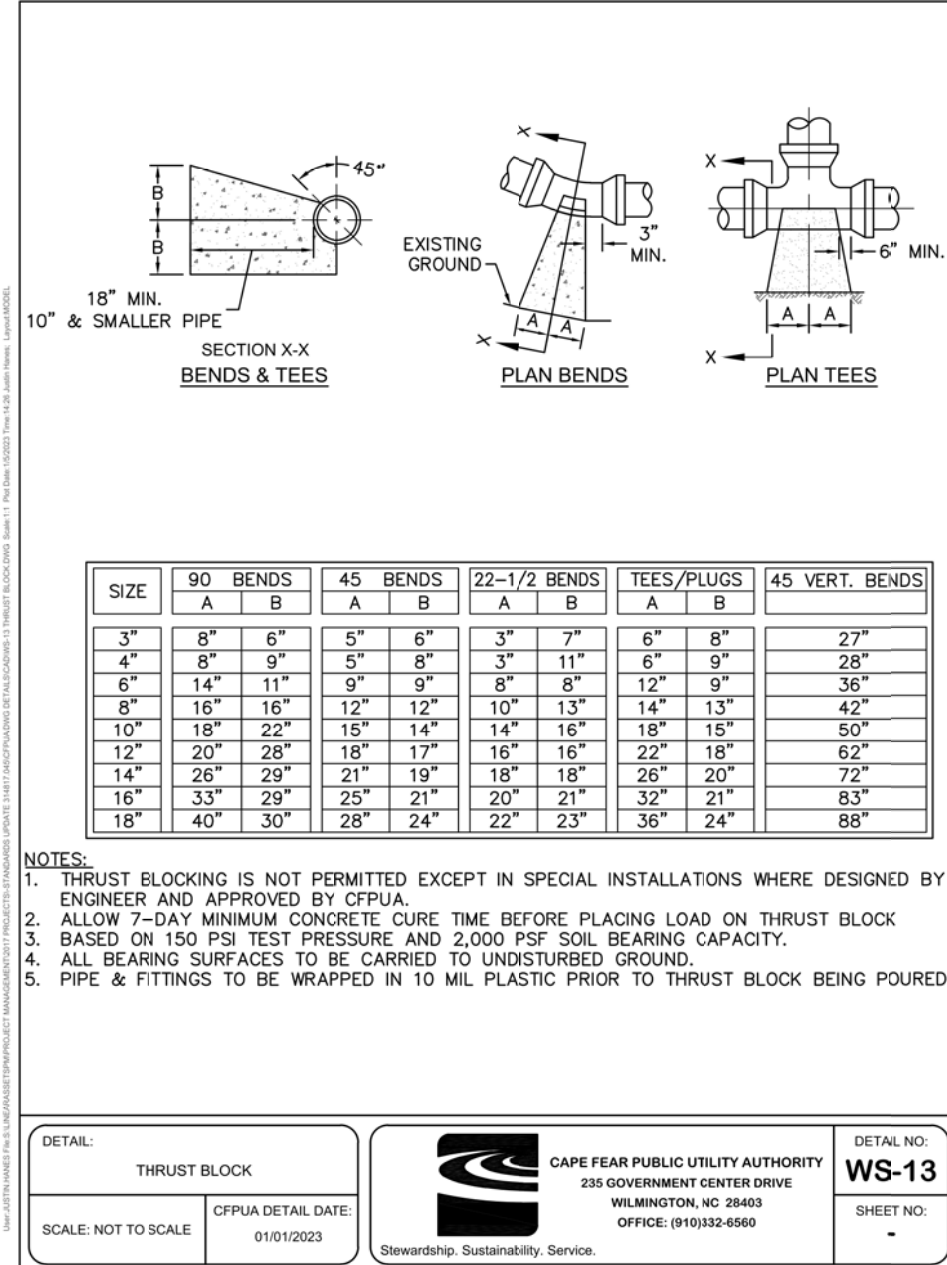
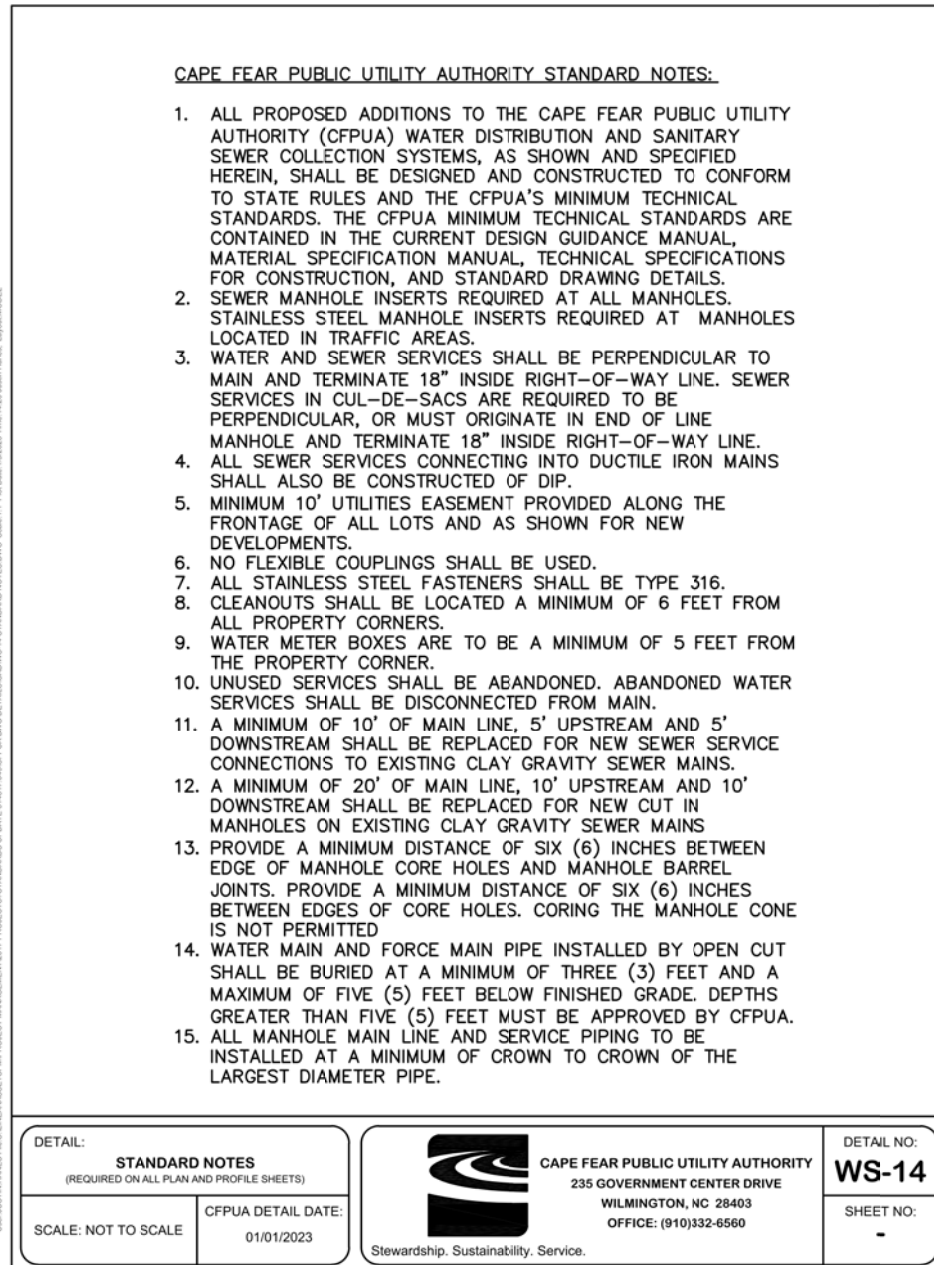
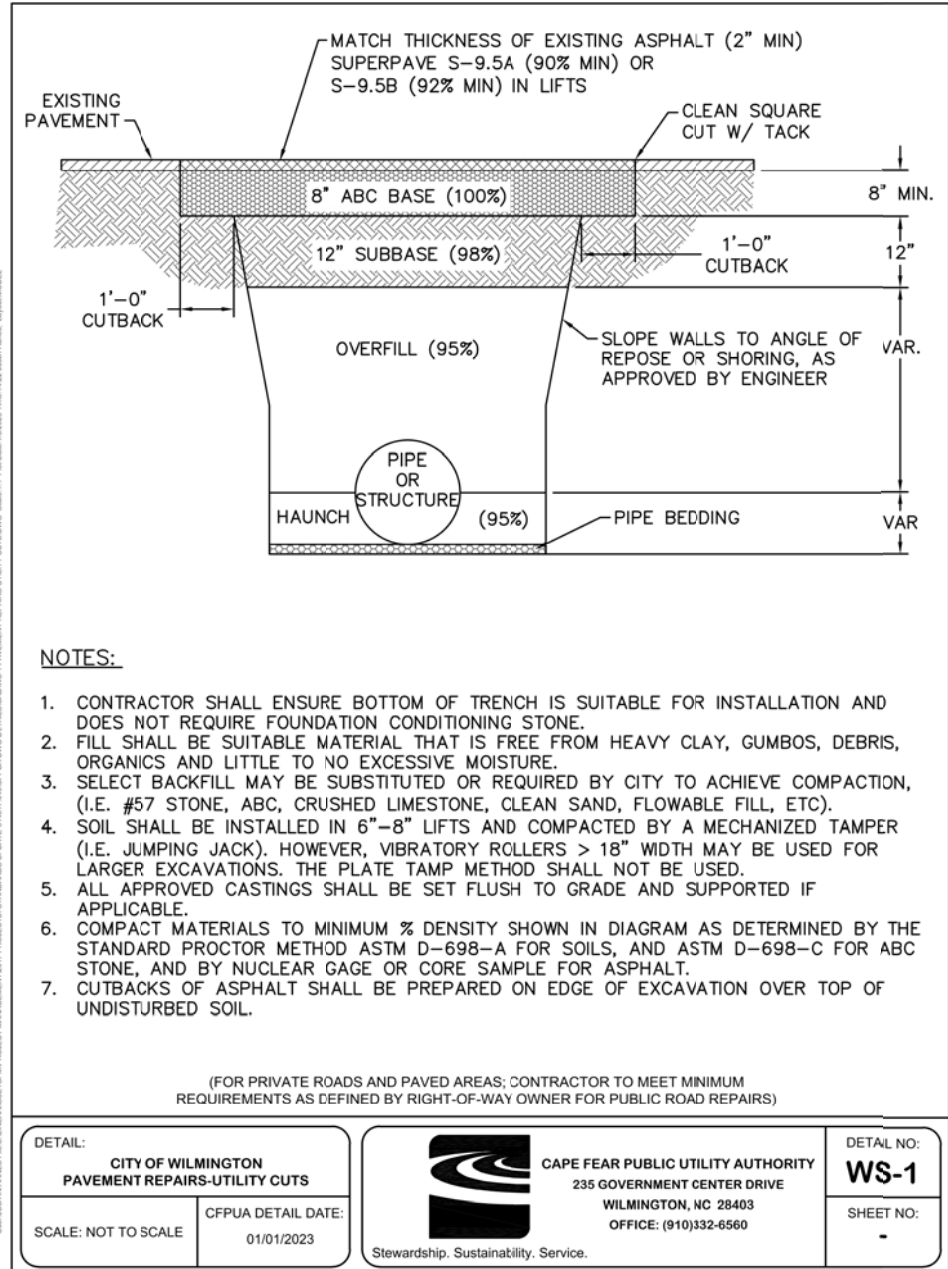
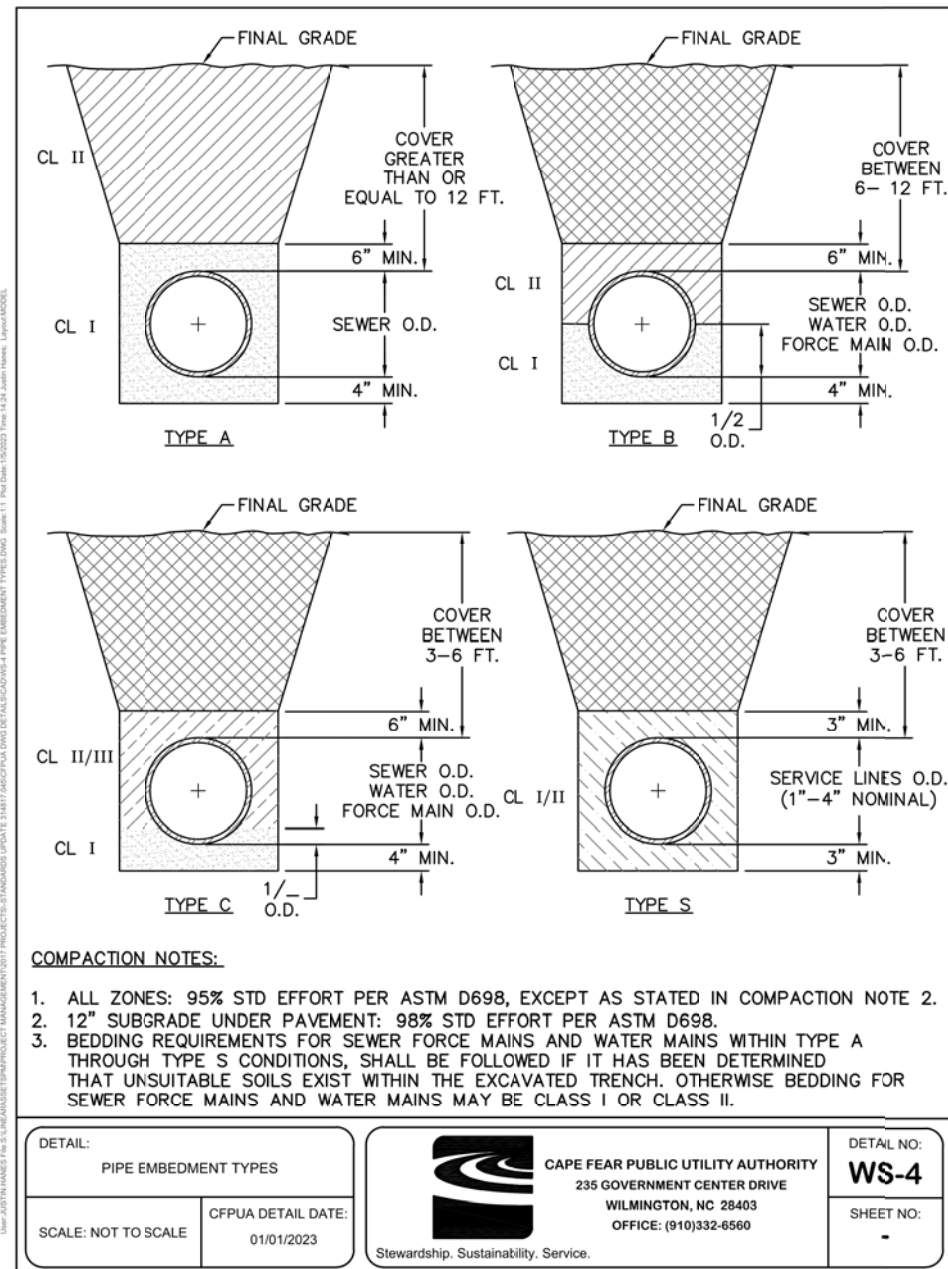
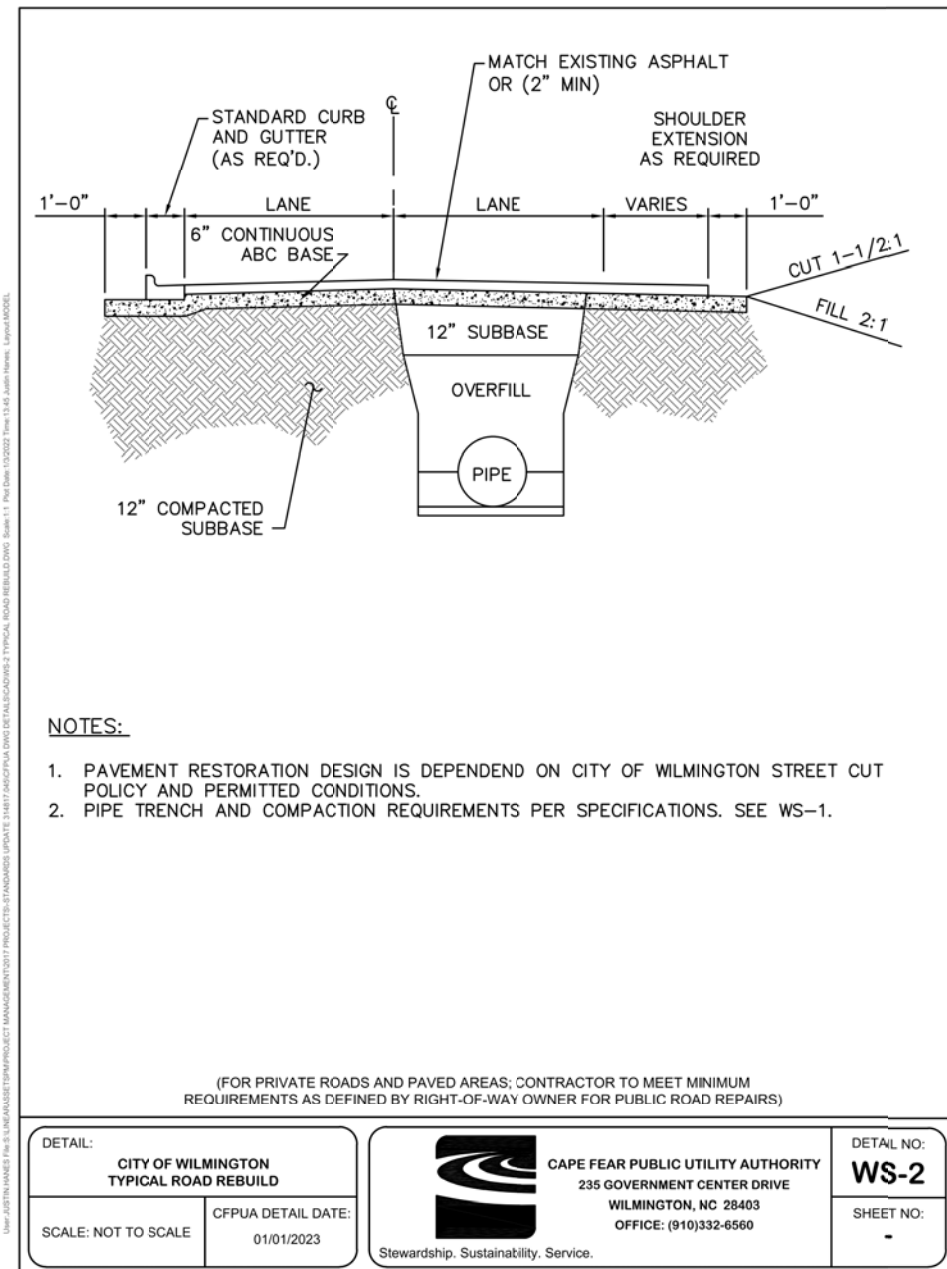
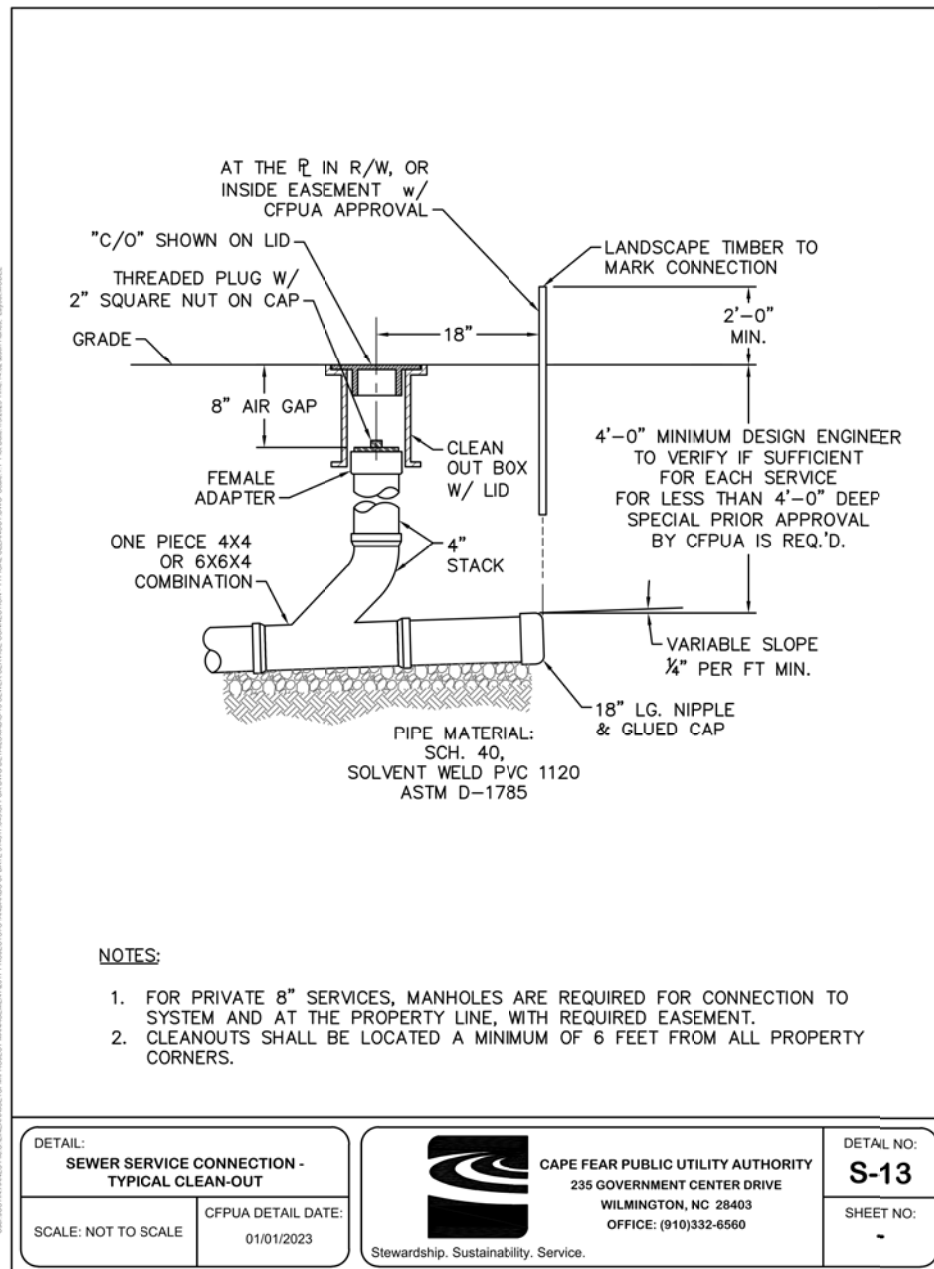
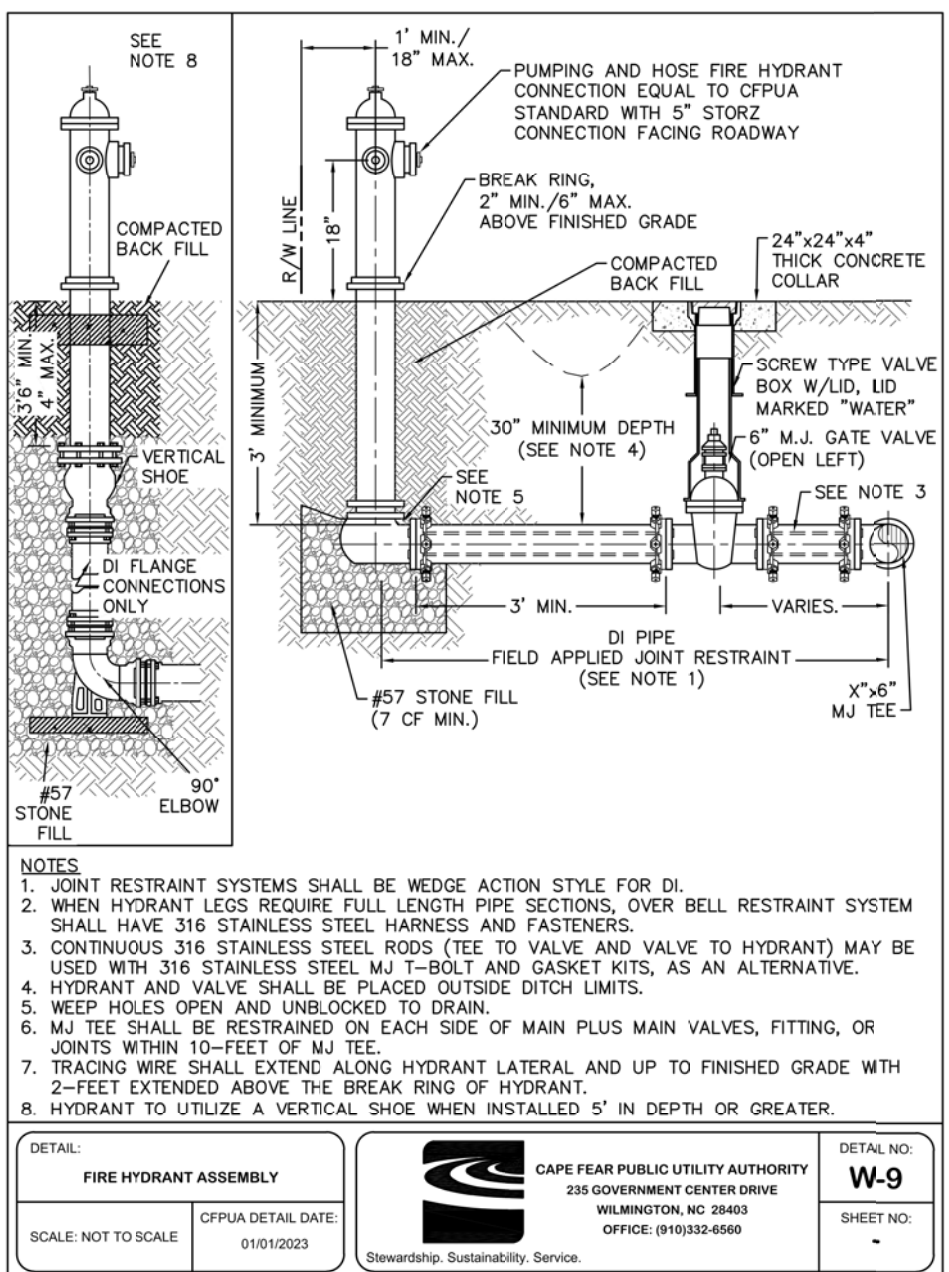
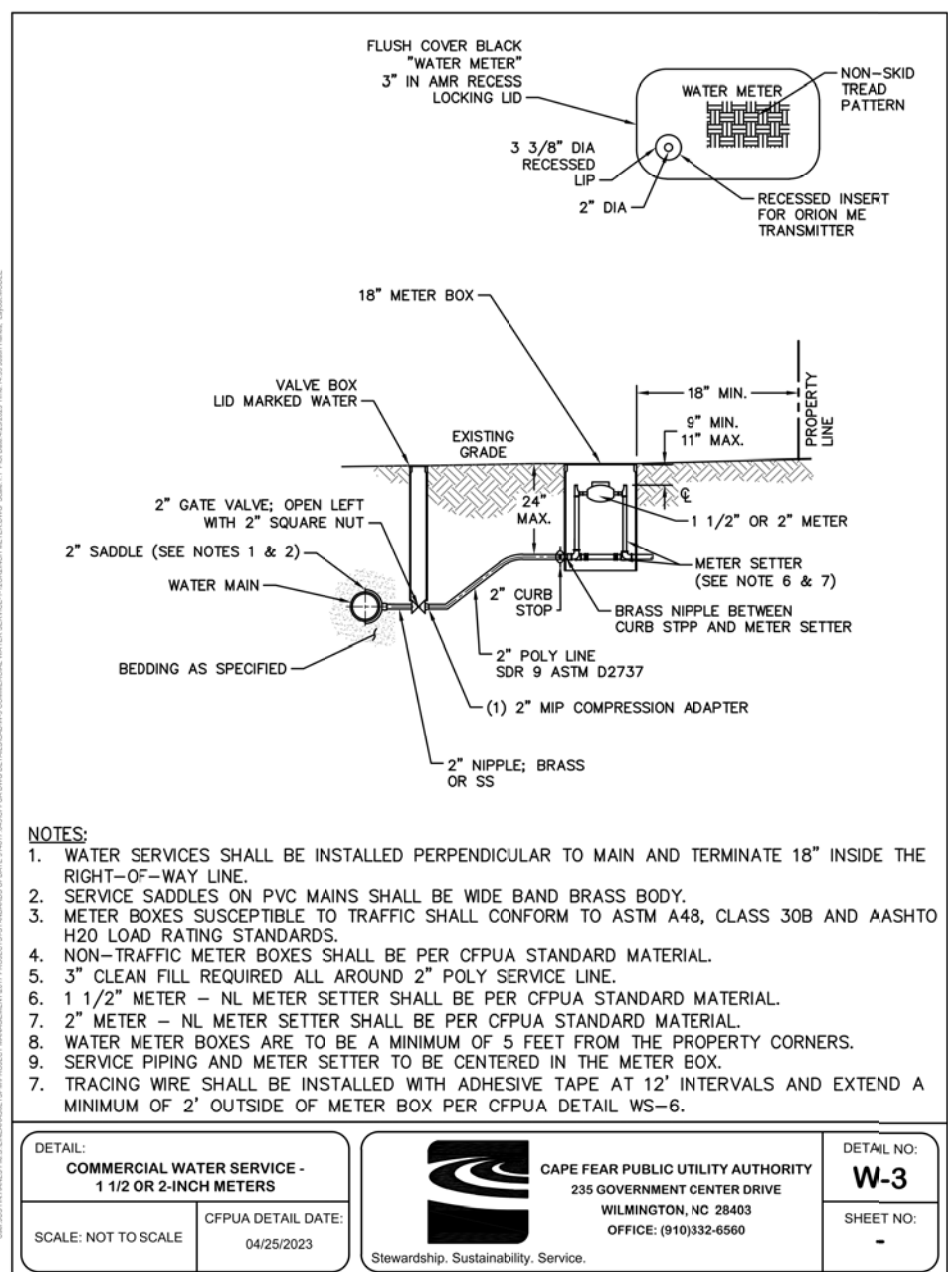
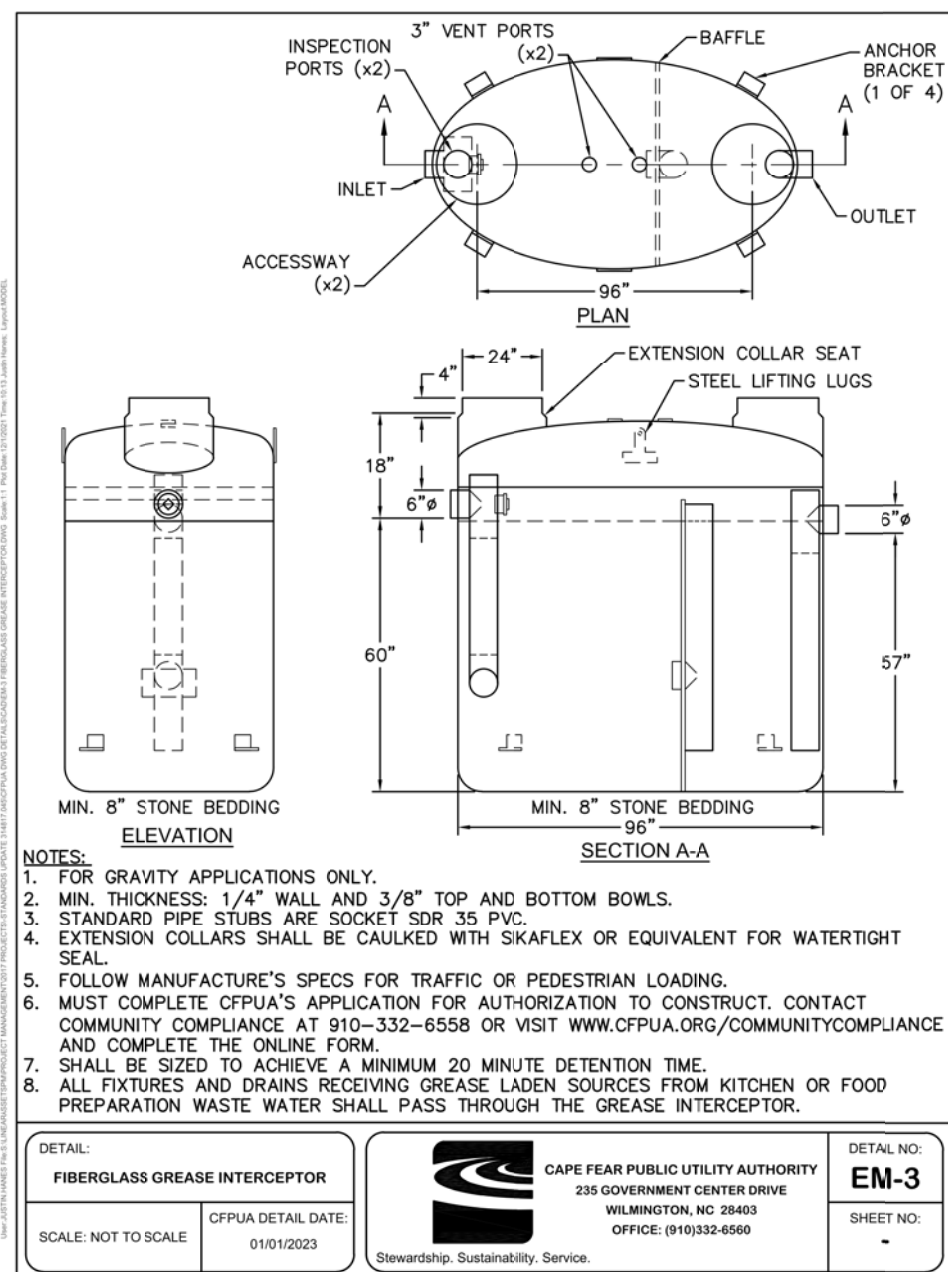
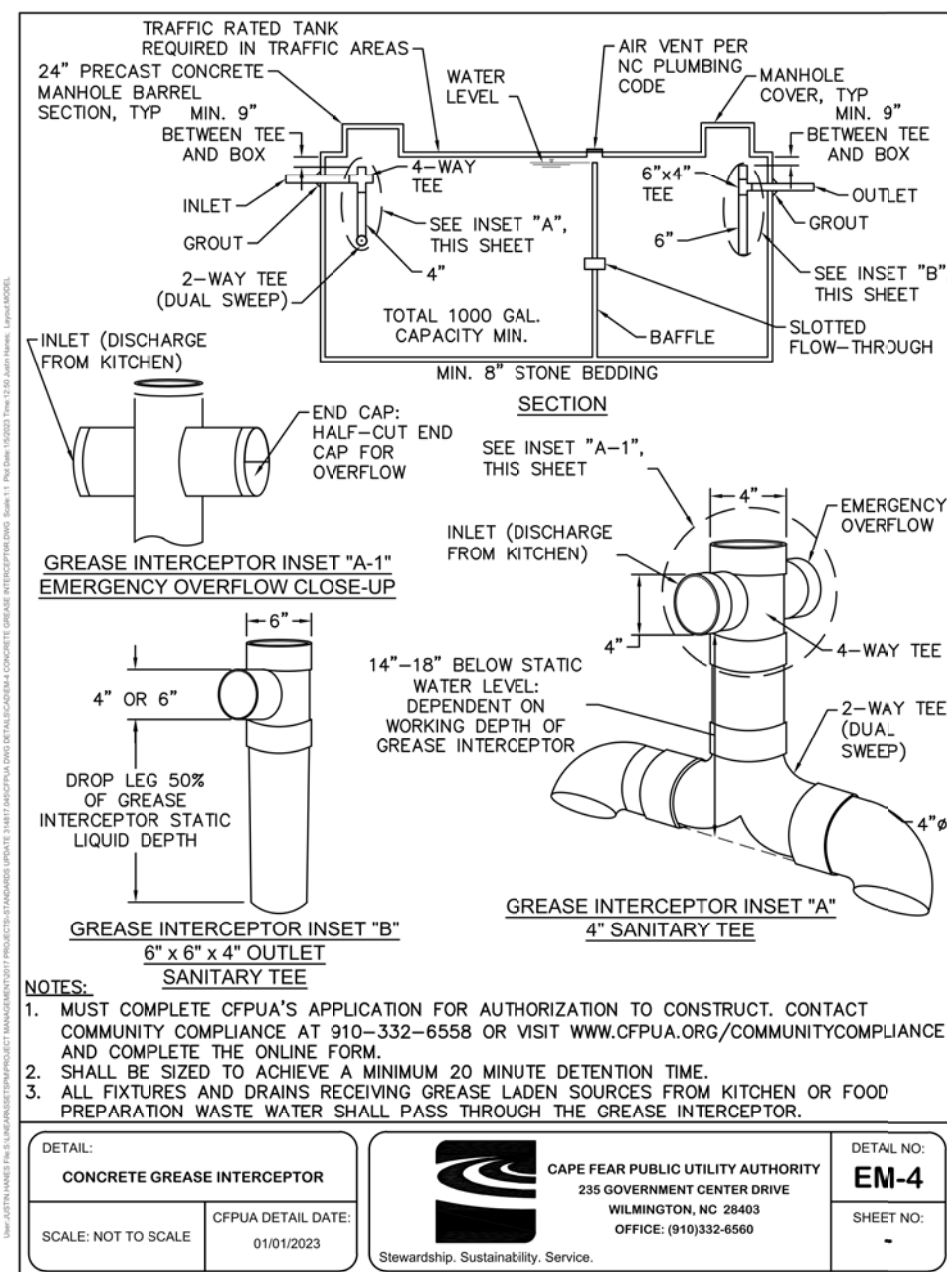
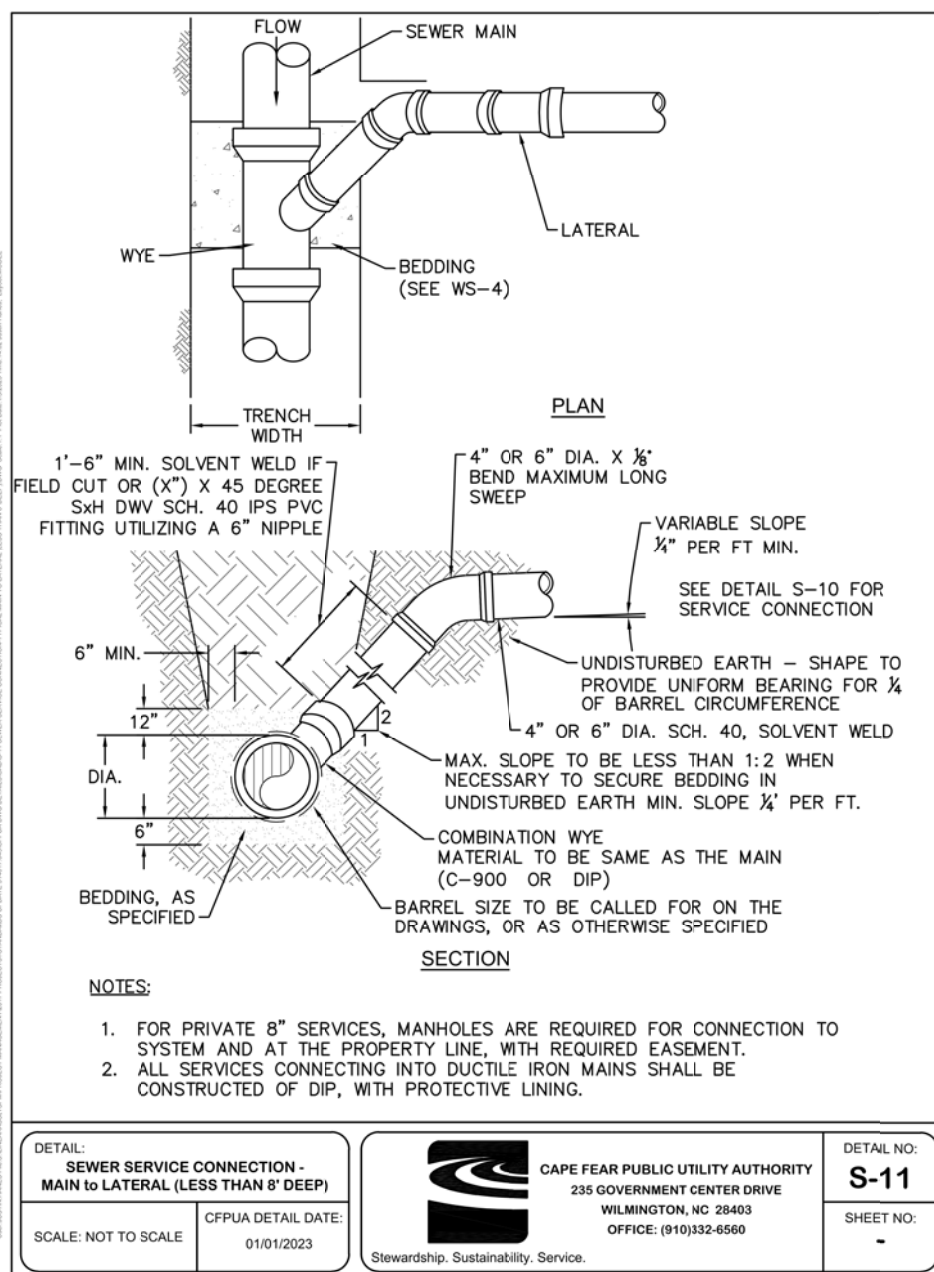


OVERALL UTILITY PLAN

SHEET NUMBER

C6-00





KEY MAP

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG.# DATE

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ# 1023073

REVISION / ISSUANCE

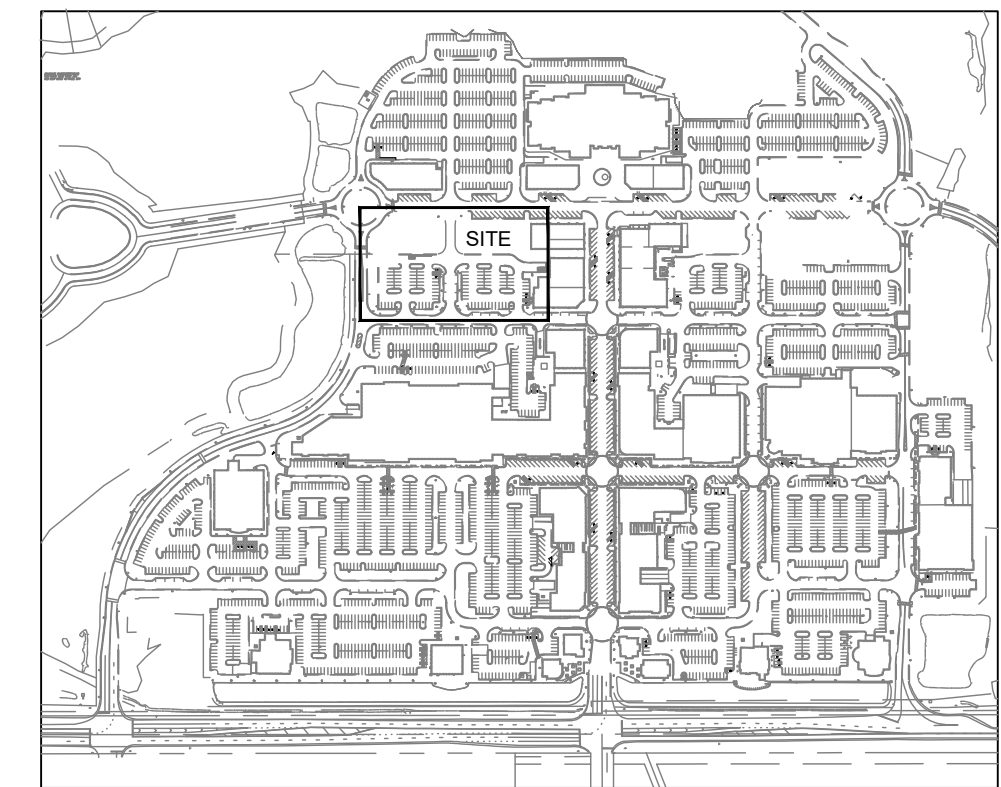
NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE: NORTH
VERT: N/A
HORZ: N/A

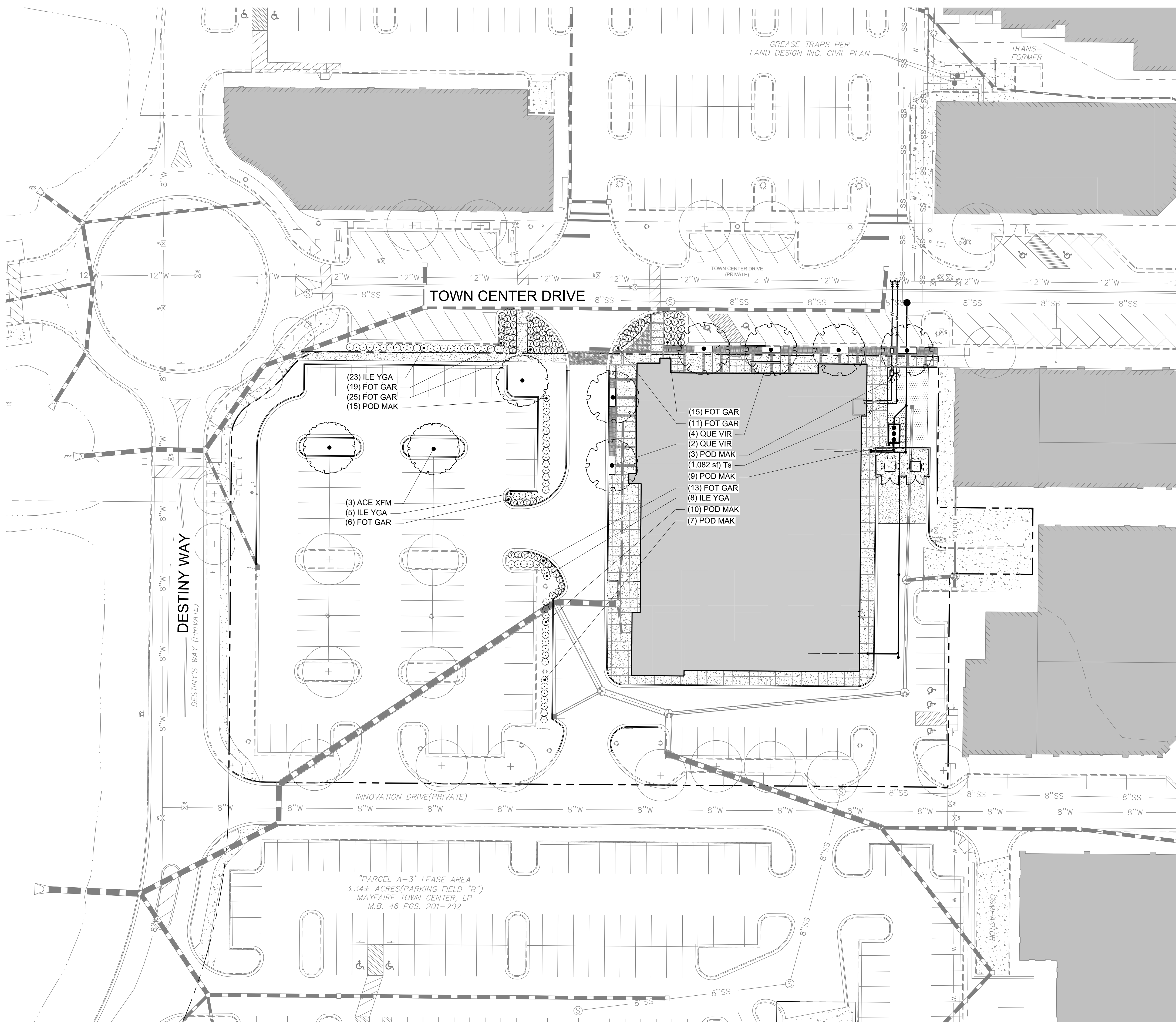
UTILITY DETAILS

SHEET NUMBER



SITE LOCATION MAP

N.T.S.



GENERAL NOTES:

- THIS PLAN FOR PLANTING LOCATIONS ONLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE, INCLUDING SHRUBS AND GROUNDCOVER, AND SHALL MAINTAIN AREA IN A WEED AND DEBRIS FREE CONDITION, THROUGHOUT THE ONE YEAR GUARANTEE PERIOD.
- ALL DIMENSIONS TO BE TAKEN FROM BACK OF CURB.
- CONTRACTOR SHALL LAY OUT AND CLEARLY STAKE ALL PROPOSED IMPROVEMENTS INCLUDED ON THIS PLAN.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING UTILITY LINE LOCATIONS PRIOR TO INSTALLATION OF PLANT MATERIAL. TREES SHALL BE LOCATED A MINIMUM OF 5' FROM SEWER/WATER CONNECTIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
- QUANTITIES SHOWN ON THIS PLAN SHALL GOVERN OVER PLANT LIST QUANTITIES. CONTRACTOR TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. LANDSCAPE ARCHITECT SHALL BE ALERTED BY CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION. UNIT PRICES FOR ALL MATERIAL SHALL BE SUPPLIED TO THE OWNER AT BIDDING TIME.
- ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. OWNER SHALL RECEIVE TAG FROM EACH PLANT SPECIES AND A LIST OF PLANT SUPPLIERS. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL MEET THE NORMAL REQUIREMENTS FOR THE VARIETY PER THE AMERICAN STANDARD FOR NURSERY STOCK LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSEYRMENT (AAN). PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- WHERE TREES ARE PLANTED IN ROWS OR FORMAL GROUPINGS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
- SIZES SPECIFIED IN THE PLANT LIST ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET MINIMUM SIZE ON ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.
- ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, FREE OF DISEASE, INSECT EGGS AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS.
- ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- GROUPS OF SHRUBS SHALL BE PLACED IN A CONTINUOUS MULCH BED WITH SMOOTH CONTINUOUS LINES. ALL MULCHED BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS. TREES LOCATED WITHIN FOUR FEET OF SHRUB BEDS SHALL SHARE SAME MULCH BED.
- NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER EXCEPT WHERE NOTED ON PLANS.
- TREES SHALL BE LOCATED A MINIMUM OF 3' FROM WALLS AND WALKS WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF AREA AND PLANS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER OR LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.
- LARGE GROWING PLANTS ARE NOT TO BE PLANTED IN FRONT OF WINDOWS, UNDER BUILDING OVERHANGS, OR IN DRAINAGE SWALES. SHRUBS PLANTED NEAR H.V.A.C. UNITS TO BE LOCATED SO THAT SHRUBS AT MATURITY WILL MAINTAIN 1" OF AIRSPACE BETWEEN UNIT AND PLANT.
- CONTRACTOR TO SLIGHTLY ADJUST PLANT LOCATIONS IN THE FIELD AS NECESSARY TO BE CLEAR OF DRAINAGE SWALES AND UTILITIES. FINISHED PLANTING BEDS SHALL BE GRADED SO AS TO NOT IMPEDE DRAINAGE AWAY FROM BUILDINGS.
- TREE STAKING AND GUYING SHALL BE DONE PER DETAILS. CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.
- ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
- CROWN OF ROOT BALL SHALL BE HIGHER (AFTER SETTLING) THAN ADJACENT SOIL.
- TAGS AND TWINE ARE TO BE REMOVED AND BURLAP IS TO BE ROLLED BACK ONE-THIRD ON ALL B&B PLANT MATERIAL.
- SHRUBS, BULBS AND GROUND COVERS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS.
- SHADE TREES: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT BALL TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "V" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION.
- SHRUBS: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH.
- ALL SUBSTITUTIONS OF PLANT MATERIAL ARE TO BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER. FAILURE TO OBTAIN SUBSTITUTION APPROVAL IN WRITING MAY RESULT IN LIABILITY TO THE CONTRACTOR.
- ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS AND EXCESS MATERIALS FROM THE WORK AREA AND THE PROPERTY (ESPECIALLY AT ALL CURB, GUTTERS AND SIDEWALKS) DAILY DURING INSTALLATION.
- DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR WEEKLY. CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PRESENT A COPY OF THE LIST TO THE OWNER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.
- TOPSOIL REQUIRED FOR SOIL MIXES AND SPECIAL SEEDING AREAS SHALL BE PROVIDED BY CONTRACTOR. CONTRACTOR MUST LOAD, HAUL, MIX, AND SPREAD ALL TOPSOIL AND OTHER SOIL ADDITIVES AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO RE-GRADE, HYDRO-SEED, STRAW MULCH, AND TACK ALL LAWN AREAS DISTURBED AS THE RESULT OF HIS WORK.
- CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SOIL SEEDING, FOR ONE FULL YEAR. CONTRACTOR MUST CONTACT THE OWNER AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTIONS. CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.
- SOD SHALL BE PLACED AROUND ALL DISTURBED AREAS. THIS INCLUDES ALL TREE ISLANDS AS WELL AS OPEN SPACE AREAS ALONG THE PARKING LOTS AND STREETS.
- CONTINUOUS ROWS OF SHRUBS SHALL CONTAIN A MULCH BED LARGE ENOUGH TO ACCOMMODATE THE ROOT BALL AND PLANT DRIP LINE. BEYOND THIS MULCH BED IS TO BE TURF TO CURB, PAVEMENT OR BUILDING FACE.

KEY MAP

SEE PLAN

SCALE

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Alyssa M. Moniaci 046144 1/29/2024
ENGINEER REG.# DATE



PROJECT

DAVE & BUSTER'S - MAYFAIRE

MAYFAIRE TOWN CENTER
WILMINGTON, NC

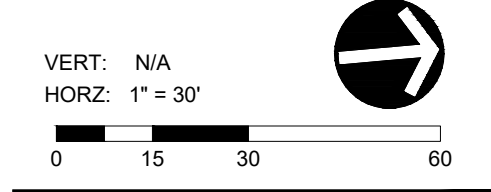
LANDSCAPE PROJ# 1023073

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE

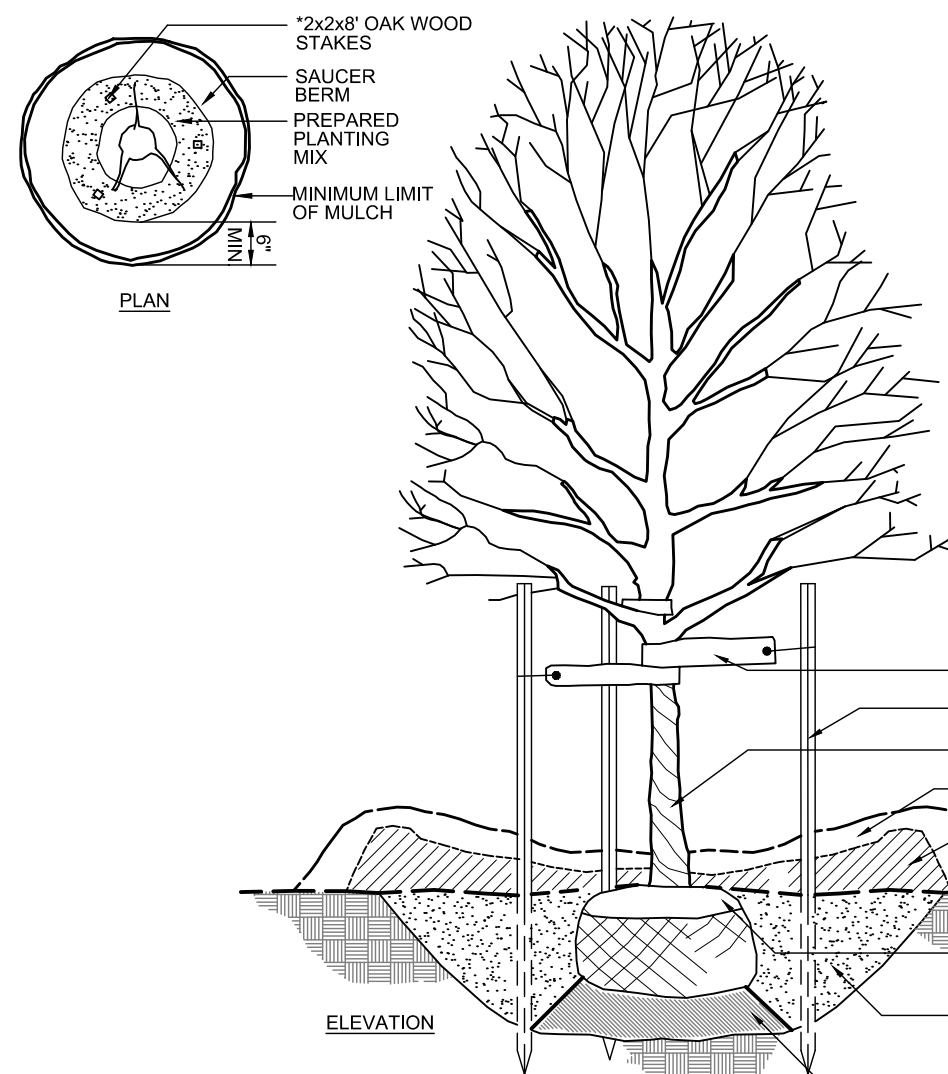


SHEET TITLE

OVERALL PLANTING PLAN

SHEET NUMBER

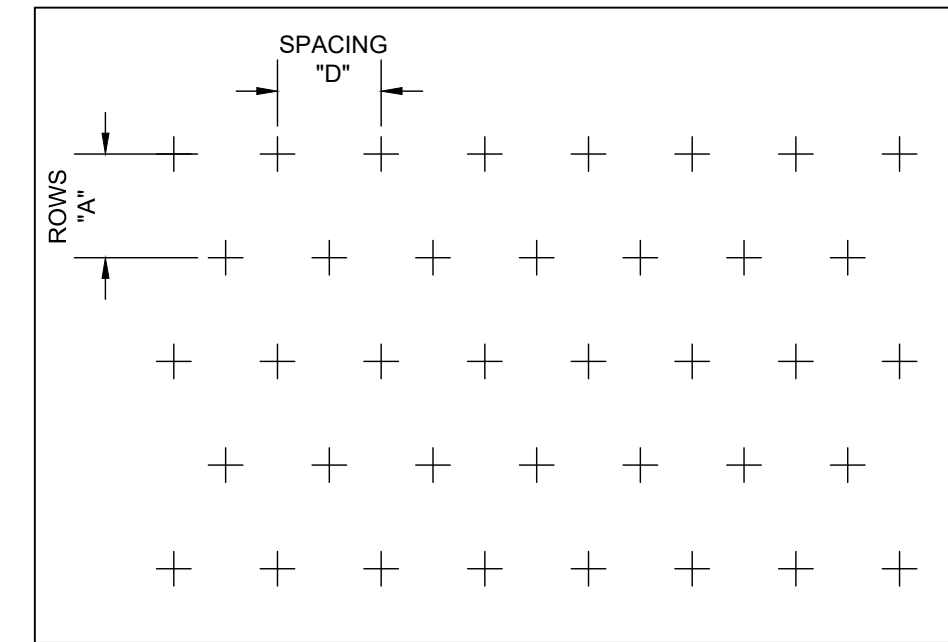
C7-00



- GENERAL NOTES:**
1. ALL TREES ARE TO BE NURSERY GROWN, BURLAP AND BALL (B&B). MINIMUM TREE SIZE IS PER SCHEDULE. (MEASURED 6" ABOVE ROOT BALL).
 2. REMOVE ALL TREATED OR PLASTIC-COATED BURLAP, STRAPPING, WIRE OR NYLON TWINE FROM ROOT BALL AFTER SETTING IN HOLE, CUT AWAY TOP AND SIDES OF WIRE BASKET, IF ANY.
 3. INSTALL TOP OF PLANT BALL EVEN WITH OR 1" ABOVE EXISTING GRADE.
 4. SET TREE IN VERTICAL POSITION PRIOR TO STAKING.
 5. SOAK PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION. PLACE 4"-6" OF SEASONED MULCH OR PINE NEEDLES AROUND BASE OF TREE, 3" DIAMETER MINIMUM.
 6. WRAP TREES FROM GROUND TO LOWEST BRANCHES WITH BURLAP OR TREE WRAP PAPER (OPTIONAL). SECURE NEAR TOP AND BOTTOM WITH HEMP STRING ONLY.
 7. TREE BRACING STRAPS ARE OPTIONAL. USE POLYPROPYLENE WEBBING ONLY. NO WIRE OR ROPE TO BE IN DIRECT CONTACT WITH TRUNK. REMOVE ALL TREE STRAPS AND TRUNK WRAP AFTER ONE GROWING SEASON.
 8. GUY WIRES ARE NOT PERMITTED IN STREET RIGHT-OF-WAY.

1 TREE PLANTING
C-6.3 SECTION

NOT TO SCALE

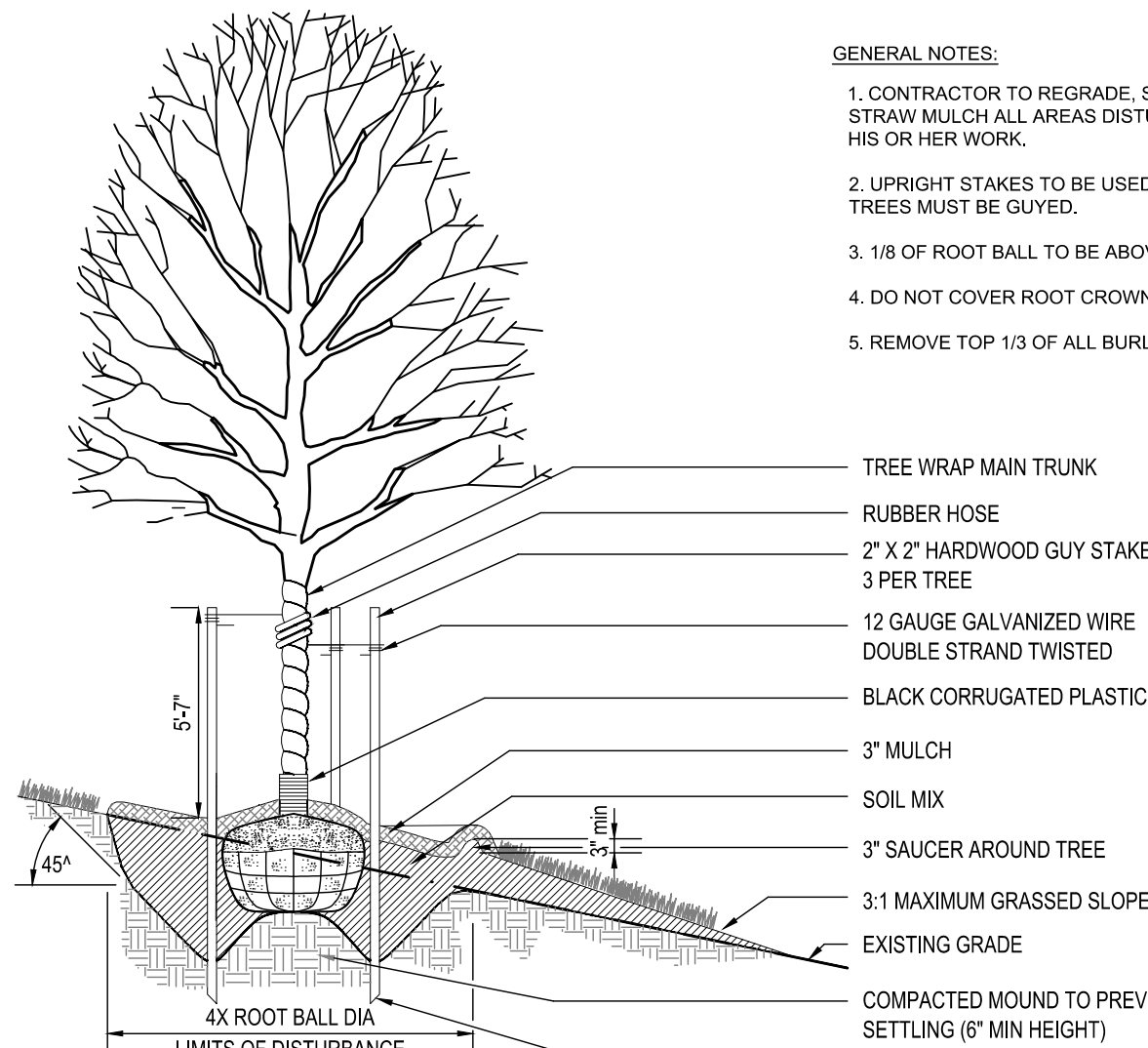


PLANT SPACING CHART

SPACING "D"	ROW "A"	PLANTS / S.F.
6" O.C.	5.20" O.C.	4.61
8" O.C.	6.93" O.C.	2.60
10" O.C.	8.66" O.C.	1.66
12" O.C.	10.40" O.C.	1.15
15" O.C.	13.00" O.C.	0.73
18" O.C.	15.60" O.C.	0.51
24" O.C.	20.80" O.C.	0.29

4 TRIANGULAR SPACING FOR SHRUBS AND GROUNDCOVERS
C-6.3 PLAN

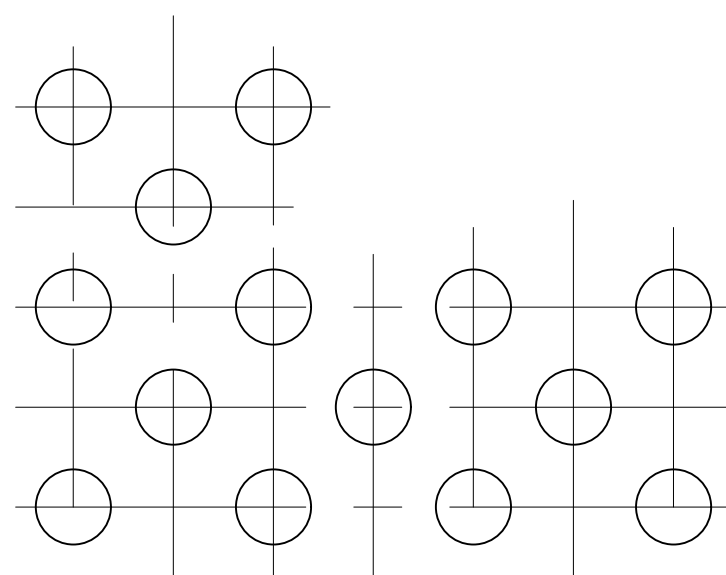
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- GENERAL NOTES:**
1. CONTRACTOR TO REGRADE, SOD OR HYDROSEED AND STRAW MULCH ALL AREAS DISTURBED AS A RESULT OF HIS OR HER WORK.
 2. UPRIGHT STAKES TO BE USED ON TREES UP TO 12' IN HEIGHT. LARGER TREES MUST BE GUYED.
 3. 1/8 OF ROOT BALL TO BE ABOVE FINISHED GRADE.
 4. DO NOT COVER ROOT CROWN.
 5. REMOVE TOP 1/3 OF ALL BURLAP FABRIC AROUND ROOT BALL.

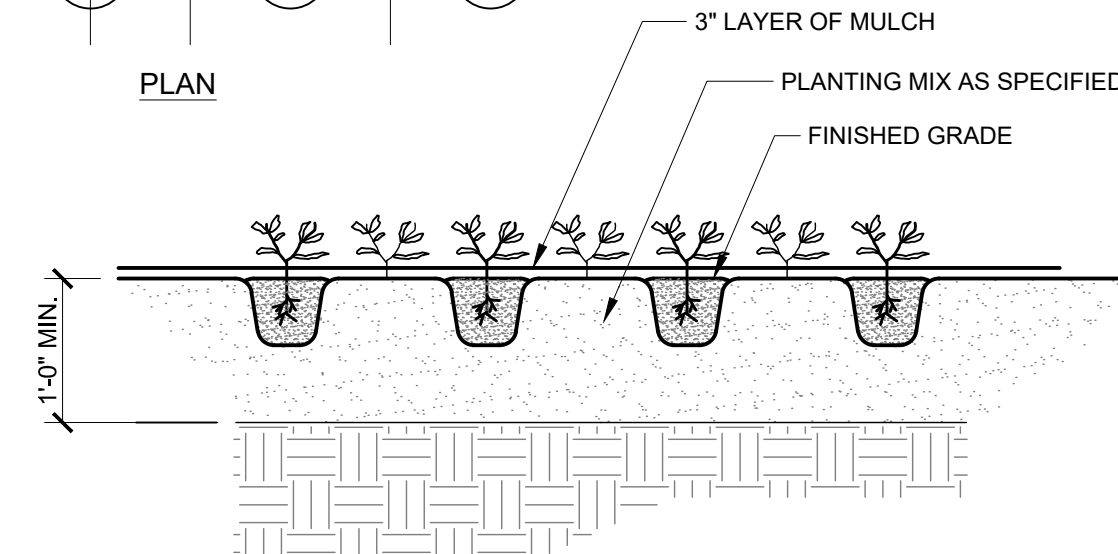
2 TREE PLANTING ON SLOPE
C-6.3 SECTION

NOT TO SCALE



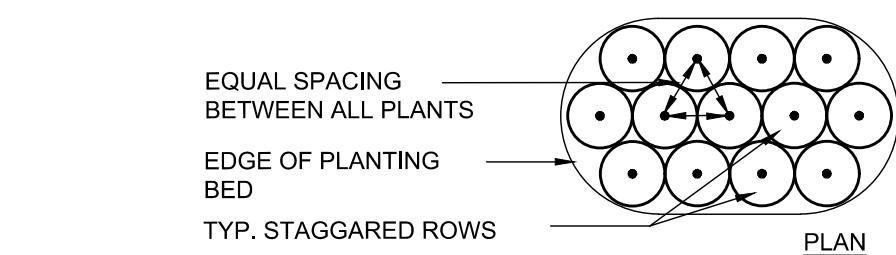
NOTES

1. LAYOUT PLANTS IN PREPARED BED AS SHOWN
2. SPACING AS SPECIFIED, PER SCHEDULE STAGGERED ROWS

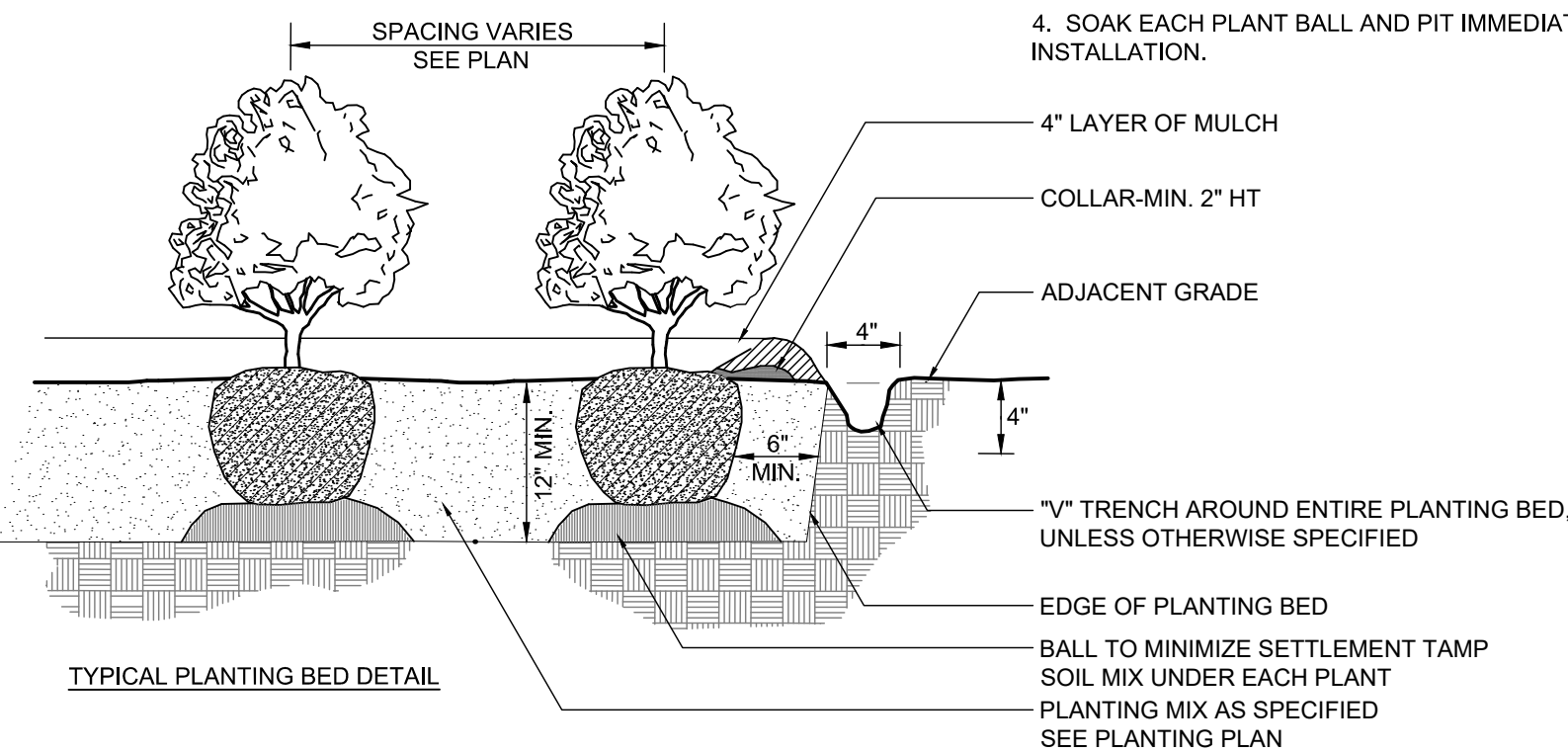


5 GROUNDCOVER PLANTING
PLAN AND SECTION

NTS



- GENERAL NOTES:**
1. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
 2. INSTALL TOP OF PLANT BALL 2" ABOVE ADJACENT GRADE.
 3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
 4. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.



3 SHRUB PLANTING
C-6.3 SECTION AND PLAN

NOT TO SCALE

6 LANDSCAPE NOTES

1. No plantings over thirty (30) inches in height allowed in vision clearance.
2. Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
3. Owner is responsible for maintenance to ensure plant material lives and prospers.
4. Planting plans shall be approved by Landscape Designer prior to installation.
5. Landscaping shall be required at the ends of all parking rows.
6. A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
7. Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
8. A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
9. For recommended Plant List see "Landscape" T-10.4.

DATE: APRIL 2024
DRAWN BY: JHE
CHECKED BY: R.P.F.
SCALE: NOT TO SCALE

STANDARD DETAIL
LANDSCAPE NOTES

CITY OF WILMINGTON
NORTH CAROLINA
1000 MARKET STREET
WILMINGTON, NC 28402
(910) 341-7657
SD 15-14

6 LANDSCAPE NOTES

NTS

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit #: _____
Signed: _____

KEY MAP

SEAL

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PROJECT

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MAYFAIRE TOWN CENTER
WILMINGTON, NC

LANDDESIGN PROJ.# 1023073

REVISION / ISSUANCE

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DESIGNED BY: RJK
DRAWN BY: RJK
CHECKED BY: RJK

SCALE: NORTH

VERT: N/A
HORZ: AS SHOWN

SHEET TITLE

PLANTING DETAILS

SHEET NUMBER

C7-10