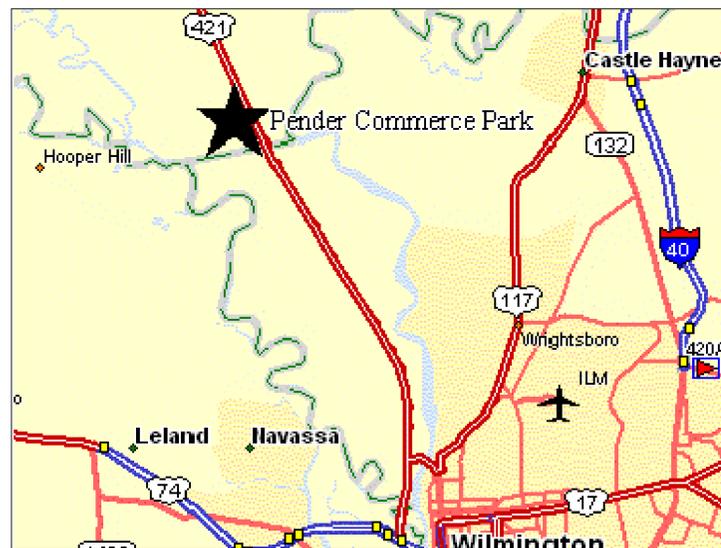


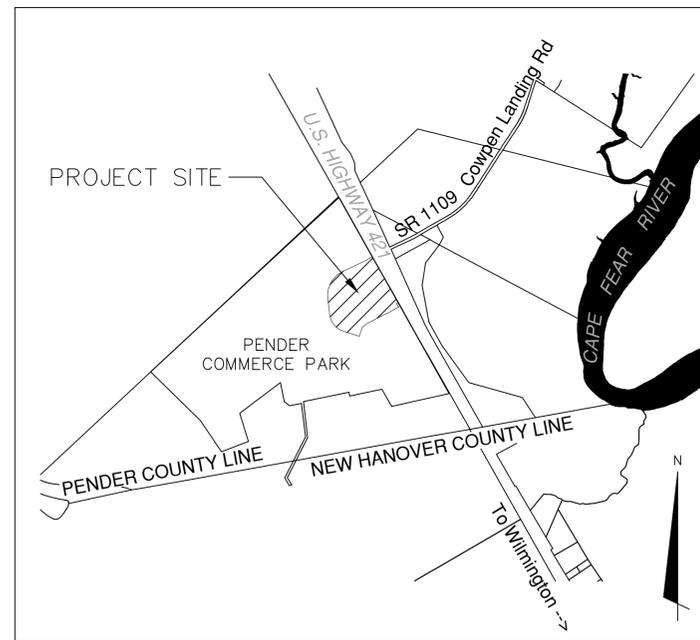
PRELIMINARY (75%) CONSTRUCTION PLANS EMPIRE DISTRIBUTION CENTER

FOR
CMT, INC.

US 421 SOUTH PENDER COUNTY, NORTH CAROLINA
PENDER COUNTY TRC SUBMITTAL
OCTOBER 19, 2015



REGIONAL MAP
NTS



VICINITY MAP
NTS

Sheet List Table		
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4	CX-102	EXISTING CONDITIONS
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6	CE-101	SEDIMENT & EROSION CONTROL PLAN
7	CG-101	GRADING & STORMWATER MANAGEMENT PLAN
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16	A5.01	ARCHITECTURAL PLANS - ELEVATIONS

PRELIMINARY -
NOT FOR CONSTRUCTION



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Wilmington, NC 28401
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NC FIRM LICENSE F-1222

www.mckimcreed.com



CONSTRUCTION MANAGEMENT TECHNOLOGY, INC.
15280 Addison Road, #300
Addison, Texas 75001
Contact: Prasad Gadiraju, Vice President
Phone: (972) 661-2525
Fax: (972) 661-5350



Know what's below.
Call before you dig.

GENERAL NOTES

- DO NOT SCALE THESE DRAWING, AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH PENDER COUNTY UTILITIES AND THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO CONDUCTING QUALITY CONTROL TESTING, AND CONDUCTING STATE, LOCAL, OR FEDERAL REGULATORY CERTIFICATIONS REQUIRED TO BE CERTIFIED BY THE ENGINEER.
- ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO START OF CONSTRUCTION.
- SITE TOPOGRAPHY, UTILITIES, EASEMENTS, AND ROAD SURVEYS WERE TAKEN FROM FIELD SURVEYS BY MCKIM & CREED, WILMINGTON, NC (JUNE 2009 & MAY 2010). SITE BOUNDARY TAKEN FROM FIELD SURVEY BY MCKIM & CREED, WILMINGTON, NC (OCTOBER 2015).
- PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION. A PROFESSIONAL SURVEYOR MUST REPLACE ANY DAMAGE TO THESE CONTROL POINTS DURING CONSTRUCTION.
- THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE CONSTRUCTION. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE PLANS IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL RETAIN THE SERVICES A PROFESSIONAL SURVEYOR TO PERFORM CONSTRUCTION STAKEOUT AND LAYOUT.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO PENDER COUNTY EASEMENTS OR NORTH CAROLINA DEPT. OF TRANSPORTATION (NCDOT) RIGHT-OF-WAY AND/OR OTHER PUBLIC RIGHT-OF-WAYS.
- SPECIFIED PRODUCTS AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF THE CONTRACTOR DESIRES TO DEPART FROM THE SPECIFIED PRODUCTS AND MATERIALS, DETAILS IN THE FORM OF SHOP DRAWINGS AND REASONS THEREOF SHALL BE GIVEN TO THE ENGINEER AND THE OWNER FOR REVIEW AND NO DEPARTURES FROM THE SPECIFIED PRODUCTS AND MATERIALS SHALL BE MADE WITHOUT THE APPROVAL OF THE ENGINEER.
- THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH AND COMPLY WITH PENDER COUNTY STANDARDS, SPECIFICATIONS, AND DETAILS OF THE BUILDING CODES AS WELL AS FEDERAL AND STATE OF NORTH CAROLINA REGULATIONS. ANY NOTE SHOWN HERE OR FOUND TO BE IN CONFLICT WITH THESE REGULATIONS SHALL BE REPLACED WITH THE APPROPRIATE GOVERNING AGENCY REGULATION.
- THE CONTRACTOR SHALL REQUIRE ALL WORK TO ADHERE TO THE RULES, REGULATIONS AND INTERPRETATION OF THE NORTH CAROLINA DEPARTMENT OF LABOR RELATING TO OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY INCLUDING, BUT NOT SPECIFICALLY LIMITED TO TITLE 29, CODE OF FEDERAL REGULATIONS, SECTION 1926, SUBPART P INCLUDING APPENDICES, LATEST EDITION, REGARDING "EXCAVATIONS, TRENCHING, AND SHORING" AS RECORDED IN THE FEDERAL REGISTRY.

STORM DRAINAGE NOTES

- STORM DRAINAGE PIPE SHALL BE NCDOT CLASS III REINFORCED CONCRETE PIPE (RCP) C-WALL PIPE WITH O-RING GASKETS OR ENGINEER-APPROVED SUBSTITUTE AND SHALL CONFORM TO LATEST ASTM C76, C361, AND CONTRACT SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
- RCP STORM DRAINAGE PIPE JOINTS AND WALL PENETRATIONS SHALL BE SEALED WITH BUTYL RUBBER JOINT SEALANT CONFORMING TO THE REQUIREMENTS OF ASTM C990, OR MORTAR AS PER NCDOT REQUIREMENTS OR BOTH.
- STORM DRAINAGE PIPE LENGTHS AND SLOPES SHOWN ARE APPROXIMATE. STORM DRAINAGE PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND UNIFORM GRADES.
- EXISTING STORM DRAINAGE PIPE AND STRUCTURES SHALL BE INSPECTED BY THE CONTRACTOR PRIOR TO CONNECTION OR AMENDING EXISTING PIPES. ANY STRUCTURAL DEFICIENCIES SUCH AS PIPE CRACKS, BROKEN ENDS, ETC. SHALL BE REPORTED TO THE OWNER AND ENGINEER AS SOON AS NOTED.
- STORM DRAINAGE PIPES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER NOTES AND SPECIFICATIONS AS PART OF THESE PLANS:
 - A. NO MORE THAN 250 LF OF TRENCH MAY BE OPENED AT ONE TIME.
 - B. EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE TO THE PLANS AND SPECIFICATIONS.
 - C. DISCHARGE FROM DEWATERING OPERATIONS (IF REQUIRED) SHALL BE FILTERED AND PASSED THROUGH AN ENGINEER-APPROVED SEDIMENT TRAPPING DEVICE AND DISCHARGED IN A MANNER THAT DOES NOT INCREASE SEDIMENT TRANSPORT OR CLOG OPEN CHANNELS.
- IF ANY EXISTING OR PROPOSED STORM DRAINAGE PIPES AND STRUCTURES ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE PIPES AND STRUCTURES AS NECESSARY.

EARTHWORK NOTES

- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE COMPETENT PERSON FOR THE CONSTRUCTION SITE WHERE EXCAVATIONS ARE IN PROGRESS. A COMPETENT PERSON SHALL MEAN ONE WHO IS CAPABLE OF IDENTIFYING EXISTING AND PREDICABLE HAZARDS IN THE SURROUNDINGS OR WORKING CONDITIONS WHICH ARE UNSANITARY, HAZARDOUS, OR DANGEROUS TO EMPLOYEES, AND WHO HAS AUTHORIZATION TO TAKE PROMPT MEASURES TO ELIMINATE SUCH CONDITIONS.
- ANY DISPOSAL MATERIAL SHALL BE DISPOSED OF OFF SITE IN A LEGALLY OPERATED LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT OR LANDFILL REGULATED UNDER THE MINING ACT.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.
- PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES AS INDICATED ON THE PLANS.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS OF THE GENERAL NPDES PERMIT THAT THE OWNER IS RESPONSIBLE FOR REGARDING STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- ANY TESTING AGENCY OR GEOTECHNICAL ENGINEER SHALL COPY ALL TESTING RESULTS TO THE ENGINEER AND THE OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER AND CEASE RELATED EXCAVATION ACTIVITIES UPON THE DISCOVERY OF ABANDONED GRAVES, WELLS, FUEL TANKS, OR HAZARDOUS AND/OR NON-HAZARDOUS WASTE DISPOSAL SITES.

UNDERGROUND UTILITIES

- ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED AND FLAGGED PRIOR TO START OF EXCAVATION OR DEMOLITION. CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA AT LEAST 2 WORKING DAYS, BUT NOT MORE THAN 10 WORKING DAYS PRIOR TO ANY EXCAVATION OR DEMOLITION.

NC811 DIAL 811

EMERGENCY DIAL 911 POLICE – FIRE – RESCUE

- THE CONTRACTOR SHALL COMPLY WITH THE PENDER COUNTY PUBLIC UTILITY REGULATIONS AND REQUIREMENTS.
- COUNTY FIRE ACCESS AND EXISTING FIRE HYDRANTS MUST BE AVAILABLE FOR EMERGENCY USE AT ALL TIMES DURING CONSTRUCTION.
- IF ANY EXISTING WATER, SEWER, FORCEMAIN, GAS, FIBER-OPTIC, CABLE, ETC. AND UTILITY STRUCTURES ARE DAMAGED DURING CONSTRUCTION BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS, IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE UTILITY, PIPES AND STRUCTURES AS NECESSARY.

UTILITY NOTES

- CONTRACTOR TO FIELD VERIFY SIZE, DEPTH, MATERIAL AND LOCATION FOR ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE UNDERGROUND UTILITIES INDICATED ON THE PLANS HAVE BEEN TAKEN FROM INFORMATION MADE AVAILABLE FROM THE VARIOUS UTILITIES OWNERS. THIS INFORMATION IS NOT INCLUSIVE OF ALL EXISTING UNDERGROUND UTILITIES AND CABLES. THE CONTRACTOR IS ADVISED THAT ADDITIONAL UNDERGROUND UTILITIES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. PLEASE BE ADVISED THAT THE UNDERGROUND UTILITIES AND CABLES COULD CONFLICT WITH THE UTILITY CONSTRUCTION AS SHOWN. ALL MINIMUM SEPARATIONS (10' LATERAL SEPARATION AND 18" VERTICAL SEPARATION BETWEEN FORCE MAIN, GRAVITY SEWER, AND WATER LINES) PER NCDENR MUST BE MAINTAINED AT ALL TIMES. ANY VARIANCE MUST BE APPROVED BY THE ENGINEER.
- PVC PIPE FOR WATER LINES SHALL BE SDR 21.
- PVC PIPE FOR GRAVITY SEWER <12' DEEP SHALL BE SDR 26.
- PVC PIPE FOR GRAVITY SEWER >12' DEEP SHALL BE SDR 18.
- THE OWNER WILL NOT CONSIDER REQUEST FOR ADDITIONAL COMPENSATION DUE TO THE PRESENCE OF CONFLICTING UTILITIES AND CABLE THAT ARE NOT SHOWN ON THE PLANS.
- CONTRACTOR SHALL USE 20' SECTION DUCTILE IRON PIPE, CENTERED UNDER STORMWATER CULVERT, WHERE 18" VERTICAL CLEARANCE CANNOT BE MET BETWEEN STORMWATER AND WHERE 24" OF VERTICAL CLEARANCE CANNOT BE MET BETWEEN STORMWATER AND SEWER. CONTRACTOR SHALL USE 12" STEEL CASING WITH 8" C-900 PVC PIPE WHERE CLEARANCES CANNOT BE MET.
- ALL WATER MAINS AND SEWER MAINS SHALL HAVE A MINIMUM OF 3' COVER AS MEASURED FROM FINISHED GRADE AT THE LOCATION WHERE INSTALLED, UNLESS FERROUS PIPE MATERIAL IS SPECIFIED. PROPER BEDDING SHALL BE PROVIDED WHERE SEWER MAINS ARE SUBJECT TO TRAFFIC BEARING LOADS.
- AT THE CONTRACTOR'S OPTION, WATER MAIN AND SEWER MAIN CROSSINGS MAY BE INSTALLED WITH EITHER, 18" VERTICAL SEPARATION WHEN WATER MAINS ARE OVER SEWER MAINS, OR 10 FEET HORIZONTAL SEPARATION. WHEN THE ABOVE CONDITIONS CANNOT BE MET, FERROUS PIPE IS REQUIRED. THE FERROUS PIPE MATERIAL SHOULD EXTEND 10' EACH SIDE OF THE CROSSING FOR BOTH THE WATER AND SEWER MAINS.
- WATER MAINS AND SANITARY SEWER FORCE MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PENDER COUNTY UTILITIES STANDARDS.

FIRE PROTECTION NOTES

- HYDRANT MUST BE WITHIN 150' OF THE FDC.
- THE FDC MUST BE WITHIN 40' OF FIRE DEPARTMENT VEHICLE PLACEMENT.
- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
- HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
- COMBUSTIBLE MATERIALS MAY NOT BE STORED OR ERECTED ONSITE WITHOUT COUNTY FIRE INSPECTOR APPROVAL.
- NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS BEING DELIVERED TO THE JOB SITE.
- UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY THE PENDER COUNTY FIRE DEPARTMENT FROM THE RIGHT-OF-WAY TO THE BUILDING. CONTACT THE PENDER COUNTY FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-259-0891 FOR ADDITIONAL INFORMATION.
- A MINIMUM OF 5' SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM UNDERGROUND UTILITIES
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS ROAD AROUND THE CONSTRUCTION SITE FOR EMERGENCY VEHICLES AT ALL TIMES.
- TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES.

EROSION CONTROL NOTES

- CLEAR AND REMOVE FROM SITE ALL TREES, SHRUBS, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN DESIGNATED CLEARING LIMITS. DO NOT DISTURB INSIDE TREE PROTECTION FENCING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION MEASURES DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED.
- CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL INSPECTION AND APPROVAL BY THE WILMINGTON REGIONAL EROSION CONTROL OFFICE AT 910-796-7215, IF REQUIRED.
- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO TOOLS, STOCKPILES, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY & ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED BY THE CONTRACTOR EITHER THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE MINING ACT.
- CONTACT PERSON SHOULD ISSUES ARISE DURING EROSION AND SEDIMENT CONTROL OPERATION:
PRASAD GADIRAJU, VICE PRESIDENT
CONSTRUCTION MANAGEMENT TECHNOLOGY, INC.
15280 ADDISON ROAD, #300
ADDISON, TEXAS 75001
PHONE: (972) 661-2525

EROSION CONTROL MAINTENANCE

- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
- ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES/EXITS THAT WILL BE PERIODICALLY TOP-DRESSED WITH 2-3" COARSE STONE TO MAINTAIN 6" THICKNESS. ENTRANCES/EXITS WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE/EXIT OR PUBLIC ROADWAYS. (NCDENR PRACTICE 6.06)
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF-FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED. (NCDENR PRACTICE 6.62)
- INSPECT CHECK DAMS OR WATTLES AND REMOVE SEDIMENT ACCUMULATION OR DEBRIS BEHIND DEVICES. IF WATER WASHES OUT AROUND DEVICES, RE-GRADE AND RE-ESTABLISH DEVICE. MAINTAIN DESIGN DIMENSIONS FOR OUTLET PROTECTIONS. (NC PRACTICES 6.87, 6.55, AND 6.41)
- CONTRACTOR SHALL FOLLOW NPDES NCG 010000 PERMIT CONDITIONS THAT INCLUDE SELF-INSPECTION AND RECORD KEEPING.

NPDES PERMIT NCG 010000 PLAN NOTES:

- ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE PLANS SHALL CONFORM TO GROUND STABILIZATION REQUIREMENTS OF SECTION II.B.2 GROUND STABILIZATION.
- ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE SEDIMENT BASINS SHALL CONFORM TO SURFACE WITHDRAWAL REQUIREMENTS OF SECTION II.B.4 SEDIMENT BASINS.

VEGETATION PLAN SPECIFICATIONS

- ALL DISTURBED AREAS SHALL BE DRESSED TO THE EXISTING TYPICAL SECTION AND TILLED OR RIPPED TO A MIN. DEPTH OF 4-INCHES. THE TOP 2 INCHES SHALL BE PULVERIZED TO PROVIDE A UNIFORM SEEDBED.
- LIME AND FERTILIZER SHOULD BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING OR SOD. FOLLOW SOIL TESTS AS SPECIFIED IN THE TABLE.
- FOR OPEN AREAS, USE STRAW MULCH AS A MINIMUM FOR STABILIZATION IF THE AREAS CANNOT BE SEEDED ACCORDING TO THE PLANTING DATES. OTHER MULCHING PRACTICES ARE LISTED IN SECTION 6.14 OF THE EROSION CONTROL MANUAL FOR MULCHING.
- FOR DITCHES AND SLOPES, USE EXCELSIOR MATTING AS A MINIMUM FOR STABILIZATION IF THE AREAS CANNOT BE SEEDED ACCORDING TO THE PLANTING DATES. OTHER MATTING PRACTICES ARE LISTED IN SECTION 6.14 OF THE EROSION CONTROL MANUAL FOR MULCHING.
- CHEMICAL STABILIZERS MAY BE USED, BUT IT IS NOT RECOMMENDED FOR VEGETATION GROWTH. REFER TO THE EROSION CONTROL MANUAL FOR A LIST OF STABILIZERS AND FOLLOW MANUFACTURER'S SPECIFICATIONS.
- THE FOLLOWING TABLES ARE REFERENCED FROM NC EROSION CONTROL MANUAL SEC. 6.10 AND 6.11, AND THE STABILIZATION TABLE IS REFERENCED FROM NPDES NCG 010000.

TEMPORARY SEED TABLE

GRASS TYPE	AMOUNT/ ACRE	TIME OF SEEDING	INITIAL FERTILIZATION
WINTER RYE MIX	25 LBS.	NOV. THRU JAN.	BY SOIL TEST or BY SPECS

PERMANENT GRASS TABLE

GRASS TYPE	AMOUNT/ ACRE	TIME OF SEEDING	INITIAL FERTILIZATION
PENSACOLA BAHIA	40 LBS.	MAY THRU AUG.	BY SOIL TEST or BY SPECS
KOBE LESPEDEZA	10 LBS.	MAY THRU AUG.	BY SOIL TEST or BY SPECS

STABILIZATION SCHEDULE

GROUND STABILIZATION CRITERIA		
SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10 FT 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 FT IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HDQ ZONES)

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	_____	_____
DRAINAGE EASEMENT	_____	_____
NON-MUNICIPAL EASEMENT	_____	_____
MUNICIPAL EASEMENT	_____	_____
RIGHT-OF-WAY	_____	_____
EDGE OF PAVEMENT	_____	_____
24" WATER LINE	—24W— 24W—	—12W— 12W—
12" WATER LINE	_____	—10W— 10W—
10" WATER LINE	_____	—8W— 8W—
8" WATER LINE	—8W— 8W—	—8SS— 8SS—
8" SANITARY SEWER PVC	_____	—12SS— 12SS—
12" SANITARY SEWER PVC	_____	—8SS— 8SS—
8" SANITARY SEWER PVC DR18	_____	—12SS— 12SS—
12" SANITARY SEWER PVC DR18	_____	_____
STORM DRAINAGE PIPE	_____	_____
LEVEL SPREADERS	_____	_____
GRASS SWALE	_____	_____
MINOR CONTOUR	—29—	—29—
MAJOR CONTOUR	—30—	—30—
SANITARY SEWER LATERAL	_____	—c/o—
FIRE HYDRANT ASSEMBLY	_____	_____
STORM DRAIN DOUBLE GRATED INLET	_____	_____
STORM DRAIN SINGLE GRATED INLET	_____	_____
SANITARY SEWER MANHOLE	_____	_____

REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015



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 License: F-1222
 www.mckimcreed.com

CMT
EMPIRE DISTRIBUTORS, INC.

EMPIRE DISTRIBUTION CENTER
GENERAL NOTES & LEGEND

DATE: 10-19-2015
 MCE PROJ. # 6965-0001
 DRAWN TCM
 DESIGNED TCM
 CHECKED RMC
 PROJ. MGR. TSM

SCALE: HORIZONTAL: N/A, VERTICAL: N/A

M&C FILE NUMBER: G-002
 DRAWING NUMBER: 2

STATUS: 75% PRELIMINARY PLANS REVISION A

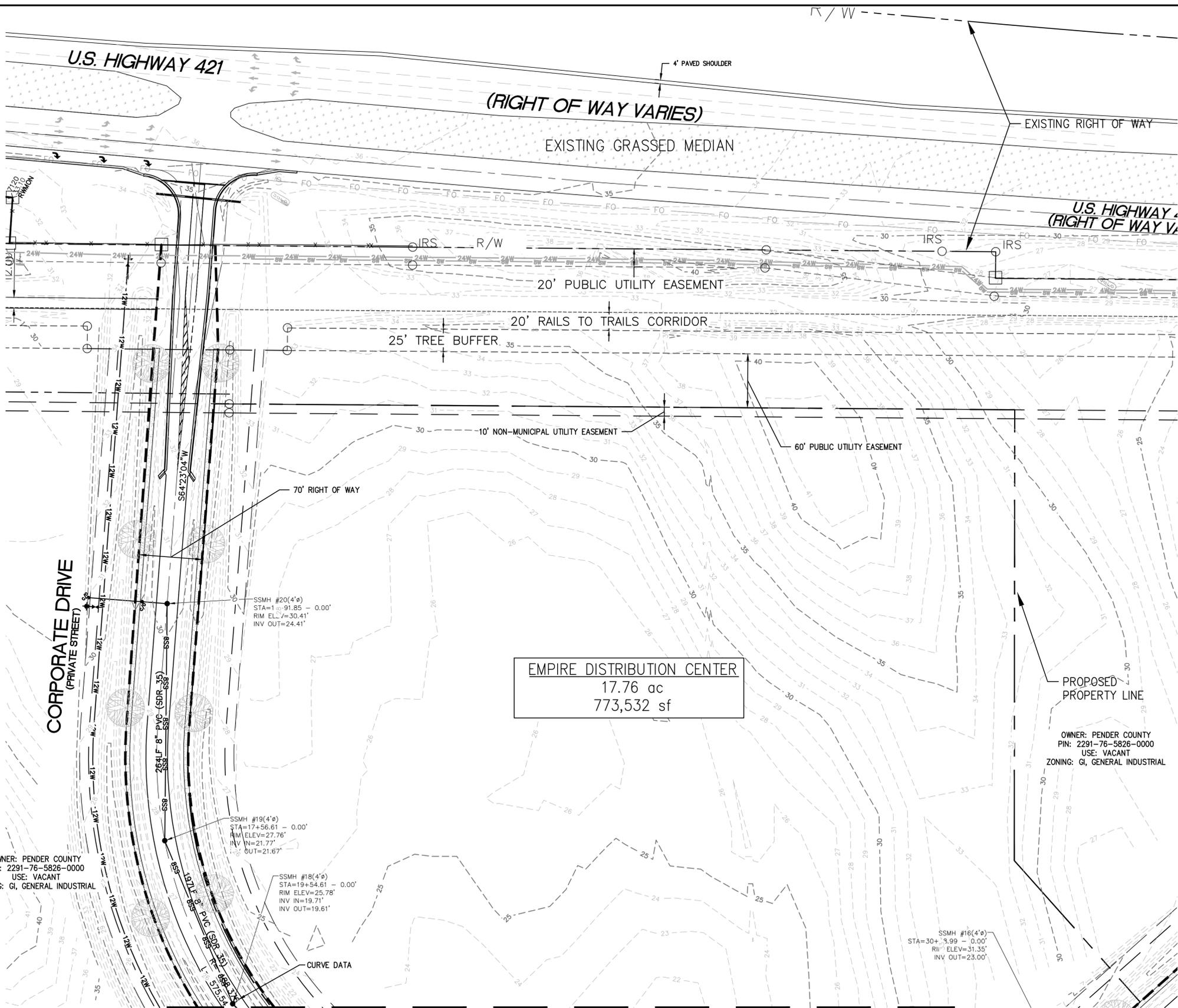
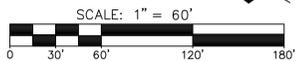
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NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND IN U.S. SURVEY FEET UNLESS OTHERWISE SHOWN.
2. BEARINGS BASED ON NC GRID NAD 83 (2001).
3. REFERENCES: AS SHOWN ON MAP
4. NO INVESTIGATION OR INDEPENDENT SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
5. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS PLAN. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
6. THE EXISTENCE OR NONEXISTENCE OF WETLANDS ON SUBJECT PROPERTY HAS NOT BEEN DETERMINED BY THIS PLAN.
7. SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS, AND OR ENCUMBRANCES THAT MAY EFFECT THIS PROPERTY, AS RECORDED IN MAP BOOK 55 PAGE 84.
8. PORTIONS OF THIS PROPERTY LIES IN ZONE X (AREAS OUTSIDE THE 2% ANNUAL CHANCE FLOODPLAIN), ALL AS SCALED FROM FIRM MAP PANEL 2291 MAP NUMBER 3720229100L EFFECTIVE DATE FEBRUARY 16, 2007, AND FIRM MAP PANEL 3201 MAP NUMBER 3720320100K, EFFECTIVE DATE FEBRUARY 16, 2007.
9. THE GRID COORDINATES SHOWN ON THIS MAP WERE DERIVED BY VRS (VIRTUAL REFERENCE STATION) GPS USING A DUAL FREQUENCY RECEIVER. THIS METHOD RESULTS IN NAD83 2007 POSITIONS AND NAVD88 ELEVATIONS USING THE CONTINUOUSLY OPERATING REFERENCE STATIONS MAINTAINED BY NORTH CAROLINA GEODETIC SURVEY. TOTAL COMBINED FACTOR: 1.0000035
10. BEARINGS ARE REFERENCED TO CENTERLINE AND RIGHT OF WAY OF ROAD, EASEMENTS ARE OFFSETS AS SHOWN FROM RIGHT OF WAY.
11. BUILDING SET BACKS:
FRONT 50'
SIDE 25'
CORNER YARD 50'
12. ANY TREES IMPACTED SHALL BE REPLACED (PER PENDER COUNTY REQUIREMENTS) AT THE CONTRACTOR'S COST.
13. EXISTING SPEED LIMIT - 60 MPH

LEGEND

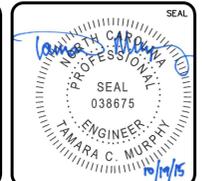
DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	— — — — —	- - - - -
DRAINAGE EASEMENT	- . - . - . - . - . - .	- . - . - . - . - . - .
NON-MUNICIPAL EASEMENT	- - - - -	- - - - -
MUNICIPAL EASEMENT	- - - - -	- - - - -
RIGHT-OF-WAY	- - - - -	- - - - -
EDGE OF PAVEMENT	— — — — —	— — — — —
3" WATER LINE	— — — — —	— — — — —
12" WATER LINE	—12W— 12W—	—12W— 12W—
10" WATER LINE	—10W— 10W—	—10W— 10W—
8" WATER LINE	—8W— 8W—	—8W— 8W—
8" SANITARY SEWER PVC	—8SS— 8SS—	—8SS— 8SS—
12" SANITARY SEWER PVC	—12SS— 12SS—	—12SS— 12SS—
8" SANITARY SEWER PVC DR18	—8SS— 8SS—	—8SS— 8SS—
12" SANITARY SEWER PVC DR18	—12SS— 12SS—	—12SS— 12SS—
STORM DRAINAGE PIPE	— — — — —	— — — — —
GRASS SWALE	— — — — —	— — — — —
MINOR CONTOUR	—29—	—29—
MAJOR CONTOUR	—30—	—30—
SANITARY SEWER LATERAL	—●— c/o	—●— c/o
FIRE HYDRANT ASSEMBLY	—◆—	—◆—
STORM DRAIN DOUBLE GRATED INLET	—■—	—■—
STORM DRAIN SINGLE GRATED INLET	—■—	—■—
SANITARY SEWER MANHOLE	—●—	—●—



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REV. NO.	DESCRIPTION	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

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CMT
 EMPIRE DISTRIBUTORS, INC.

EMPIRE DISTRIBUTION CENTER
 EXISTING CONDITIONS

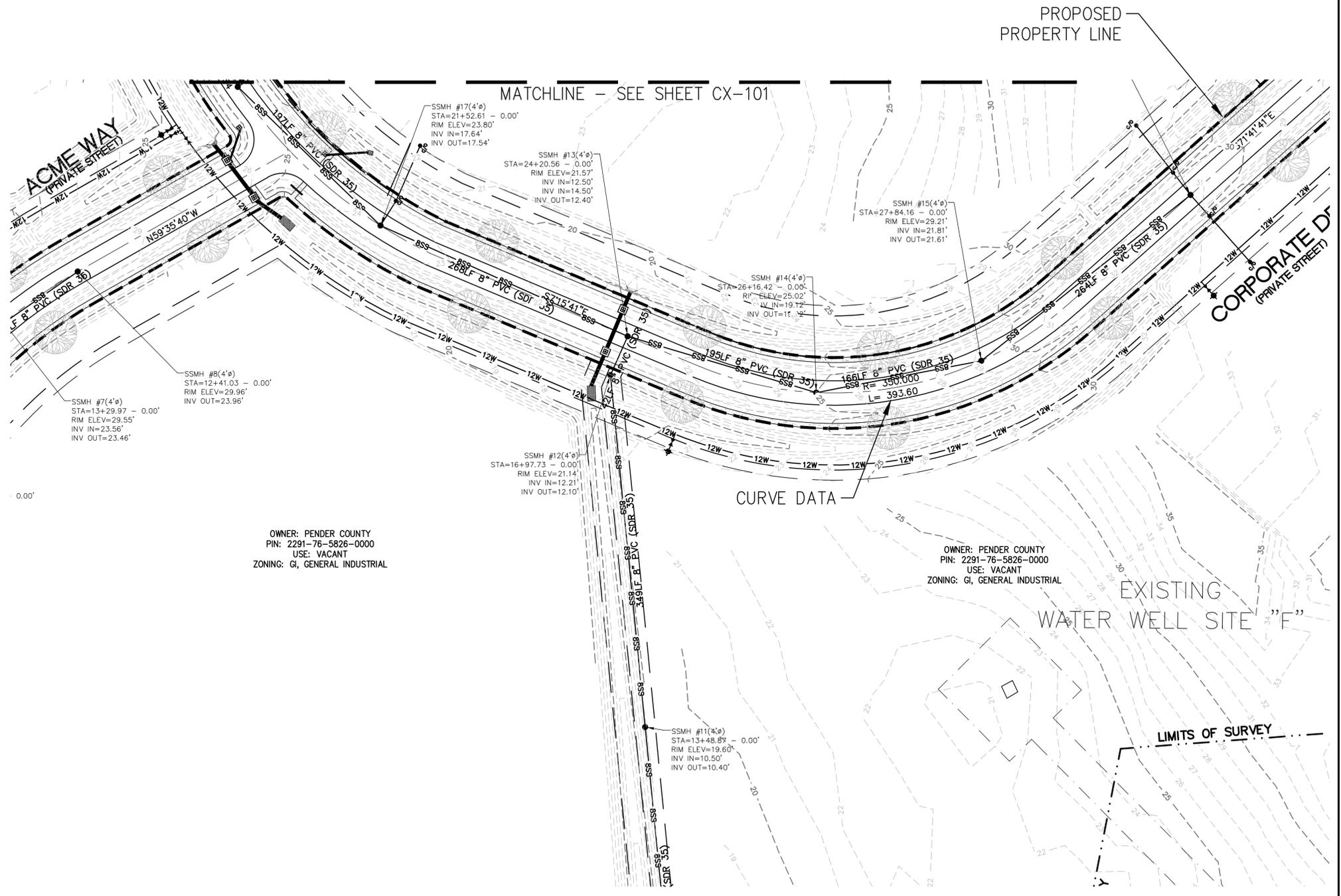
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DRAWN: TCM	VERTICAL: N/A	
DESIGNED: TCM		
CHECKED: RMC		
PROJ. MGR.: TSM		
STATUS: 75% PRELIMINARY PLANS REVISION A		

NOTES:

- ALL DISTANCES ARE HORIZONTAL GROUND IN U.S. SURVEY FEET UNLESS OTHERWISE SHOWN.
- BEARINGS BASED ON NC GRID NAD 83 (2001).
- REFERENCES: AS SHOWN ON MAP
- NO INVESTIGATION OR INDEPENDENT SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS PLAN. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
- THE EXISTENCE OR NONEXISTENCE OF WETLANDS ON SUBJECT PROPERTY HAS NOT BEEN DETERMINED BY THIS PLAN.
- SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS, AND OR ENCUMBRANCES THAT MAY EFFECT THIS PROPERTY, AS RECORDED IN MAP BOOK 55 PAGE 84.
- PORTIONS OF THIS PROPERTY LIES IN ZONE X (AREAS OUTSIDE THE 2% ANNUAL CHANCE FLOODPLAIN), ALL AS SCALED FROM FIRM MAP PANEL 2291 MAP NUMBER 3720229100L EFFECTIVE DATE FEBRUARY 16, 2007, AND FIRM MAP PANEL 3201 MAP NUMBER 3720320100K, EFFECTIVE DATE FEBRUARY 16, 2007.
- THE GRID COORDINATES SHOWN ON THIS MAP WERE DERIVED BY VRS (VIRTUAL REFERENCE STATION) GPS USING A DUAL FREQUENCY RECEIVER. THIS METHOD RESULTS IN NAD83 2007 POSITIONS AND NAVD88 ELEVATIONS USING THE CONTINUOUSLY OPERATING REFERENCE STATIONS MAINTAINED BY NORTH CAROLINA GEODETIC SURVEY. TOTAL COMBINED FACTOR: 1.0000035
- BEARINGS ARE REFERENCED TO CENTERLINE AND RIGHT OF WAY OF ROAD, EASEMENTS ARE OFFSETS AS SHOWN FROM RIGHT OF WAY.
- BUILDING SET BACKS:
FRONT 50'
SIDE 25'
CORNER YARD 50'
- ANY TREES IMPACTED SHALL BE REPLACED (PER PENDER COUNTY REQUIREMENTS) AT THE CONTRACTOR'S COST.
- EXISTING SPEED LIMIT - 60 MPH

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	— — — — —	- - - - -
DRAINAGE EASEMENT	- . - . - . - . - . - . - . - . - .	- - - - -
NON-MUNICIPAL EASEMENT	— — — — —	— — — — —
MUNICIPAL EASEMENT	— — — — —	— — — — —
RIGHT-OF-WAY	— — — — —	— — — — —
EDGE OF PAVEMENT	— — — — —	— — — — —
3" WATER LINE	— — — — —	— — — — —
12" WATER LINE	— 12W — 12W —	— — — — —
10" WATER LINE	— 10W — 10W —	— — — — —
8" WATER LINE	— 8W — 8W —	— — — — —
8" SANITARY SEWER PVC	— 8SS — 8SS —	— — — — —
12" SANITARY SEWER PVC	— 12SS — 12SS —	— — — — —
8" SANITARY SEWER PVC DR18	— 8SS — 8SS —	— — — — —
12" SANITARY SEWER PVC DR18	— 12SS — 12SS —	— — — — —
STORM DRAINAGE PIPE	— — — — —	— — — — —
GRASS SWALE	— — — — —	— — — — —
MINOR CONTOUR	— 29 — — — —	— 29 — — — —
MAJOR CONTOUR	— 30 — — — —	— 30 — — — —
SANITARY SEWER LATERAL	— c/o —	— c/o —
FIRE HYDRANT ASSEMBLY	— — — — —	— — — — —
STORM DRAIN DOUBLE GRATED INLET	— — — — —	— — — — —
STORM DRAIN SINGLE GRATED INLET	— — — — —	— — — — —
SANITARY SEWER MANHOLE	— — — — —	— — — — —



SITE DATA TABLE		EMPIRE DISTRIBUTION CENTER	
PARCEL ADDRESS	915 US HIGHWAY 421		
BUILDING SETBACKS	REQUIRED	PROPOSED	
FRONT	50'	50'	
REAR	25'	25'	
SIDE (INTERIOR)	25'	25'	
SIDE (CORNER)	50'	50'	
TAX PARCEL IDENTIFICATION NUMBER(S)	2291-76-5826-0000		
CURRENT ZONING	GI - GENERAL INDUSTRIAL		
TOTAL ACREAGE WITHIN THE PROJECT BOUNDARIES	17.76 ACRES (773,532 SF)		
BUILDING SIZE WITH SQUARE FOOTAGE	168,567 GROSS SF (30,590 GROSS SF - FUTURE EXPANSION)		
NC BUILDING CODE CONSTRUCTION TYPE	TBD		
BUILDING LOT COVERAGE	24.37%		
BUILDING HEIGHT	39' MAX.		
TOTAL AMOUNT OF DISTURBED AREA	15.90 ACRES (690,258 SF)		
IMPERVIOUS AREA (PROPOSED)			
ROOF TOPS	168,567	SF	
ROADWAYS	0	SF	
PARKING	177,307	SF	
SIDEWALKS	5,055	SF	
TOTAL S.F. (ONSITE IMPERVIOUS AREA)	350,929	SF	
PERCENTAGE (ONSITE IMPERVIOUS AREA/ONSITE AREA)	45.37	%	
PARKING CALCULATIONS			
PROPOSED USE:	INDUSTRIAL		
NUMBER OF SPACES REQUIRED	64		
TOTAL SPACES PROVIDED	104		
ACCESSIBLE SPACES REQUIRED	5		
ACCESSIBLE SPACES PROVIDED	5 (1 VAN)		
ESTIMATED TRIP GENERATION			
INDUSTRIAL PARK (ITE CODE 130, 85 EMPLOYEES)	34 AM PEAK, 31 PM PEAK		

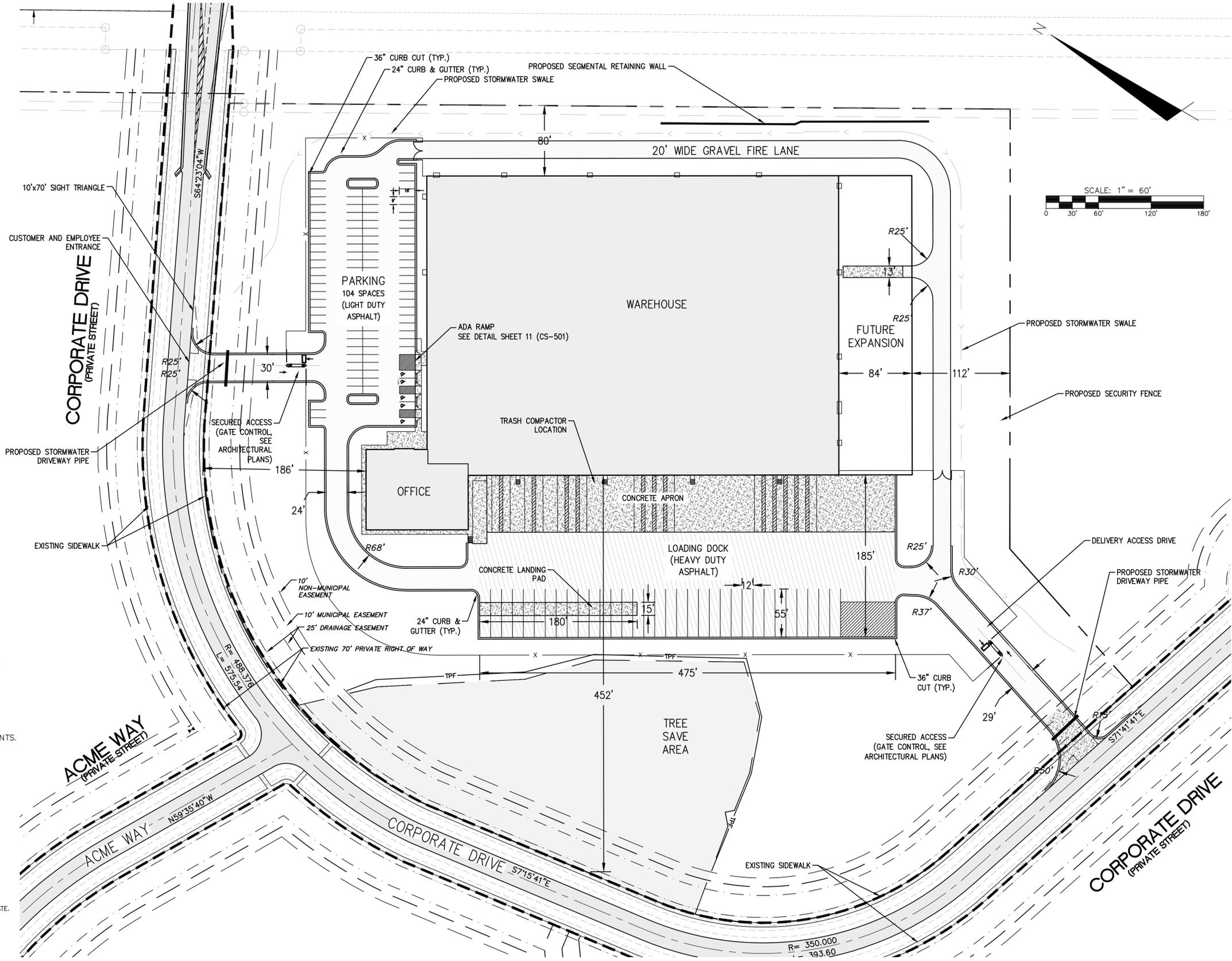
SITE NOTES:

1. THERE IS NO EVIDENCE OF ENDANGERED SPECIES OR HABITAT ISSUES ON THE PROPERTY. THERE ARE NO STATE CULTURAL RESOURCES FOUND ON THE PROPERTY.
2. THE TRACT IS NOT WITHIN FLOODPLAIN OR SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY NC FLOODPLAIN MAPPING.
3. PUBLIC SANITARY SEWER TO BE PROVIDED BY PENDER COUNTY UTILITIES.
4. PUBLIC WATER TO BE PROVIDED BY PENDER COUNTY UTILITIES.
5. SEE SHEET CL-101, LANDSCAPE PLAN, FOR OPEN SPACE, LANDSCAPING AND BUFFER REQUIREMENTS.
6. SEE SHEET CS-501, SITE DETAILS, FOR PAVEMENT SECTIONS.
7. SEE SHEETS CX-101 FOR PARCEL AREA AND BOUNDARY BEARINGS & DISTANCES.

MAJOR SITE PLAN APPROVAL

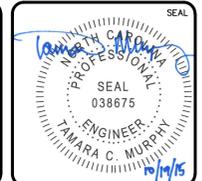
APPROVED BY THE PENDER COUNTY UNIFIED DEVELOPMENT ADMINISTRATOR. SITE PLAN VALID FOR FIVE YEARS FROM APPROVAL DATE.

UNIFIED DEVELOPMENT ADMINISTRATOR _____ DATE _____



REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

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EMPIRE DISTRIBUTION CENTER
OVERALL SITE PLAN

DATE: 10-19-2015	SCALE: 1"=60'	M&C FILE NUMBER: CS-101
MCE PROJ. # 6965-0001	HORIZONTAL: 1"=60'	DRAWING NUMBER: 5
DRAWN: TCM	VERTICAL: N/A	
DESIGNED: TCM		
CHECKED: RMC		
PROJ. MGR.: TSM		

STATUS: 75% PRELIMINARY PLANS REVISION A

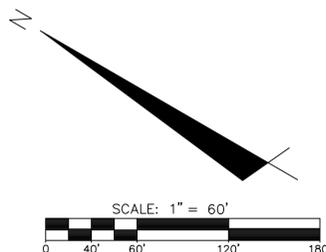
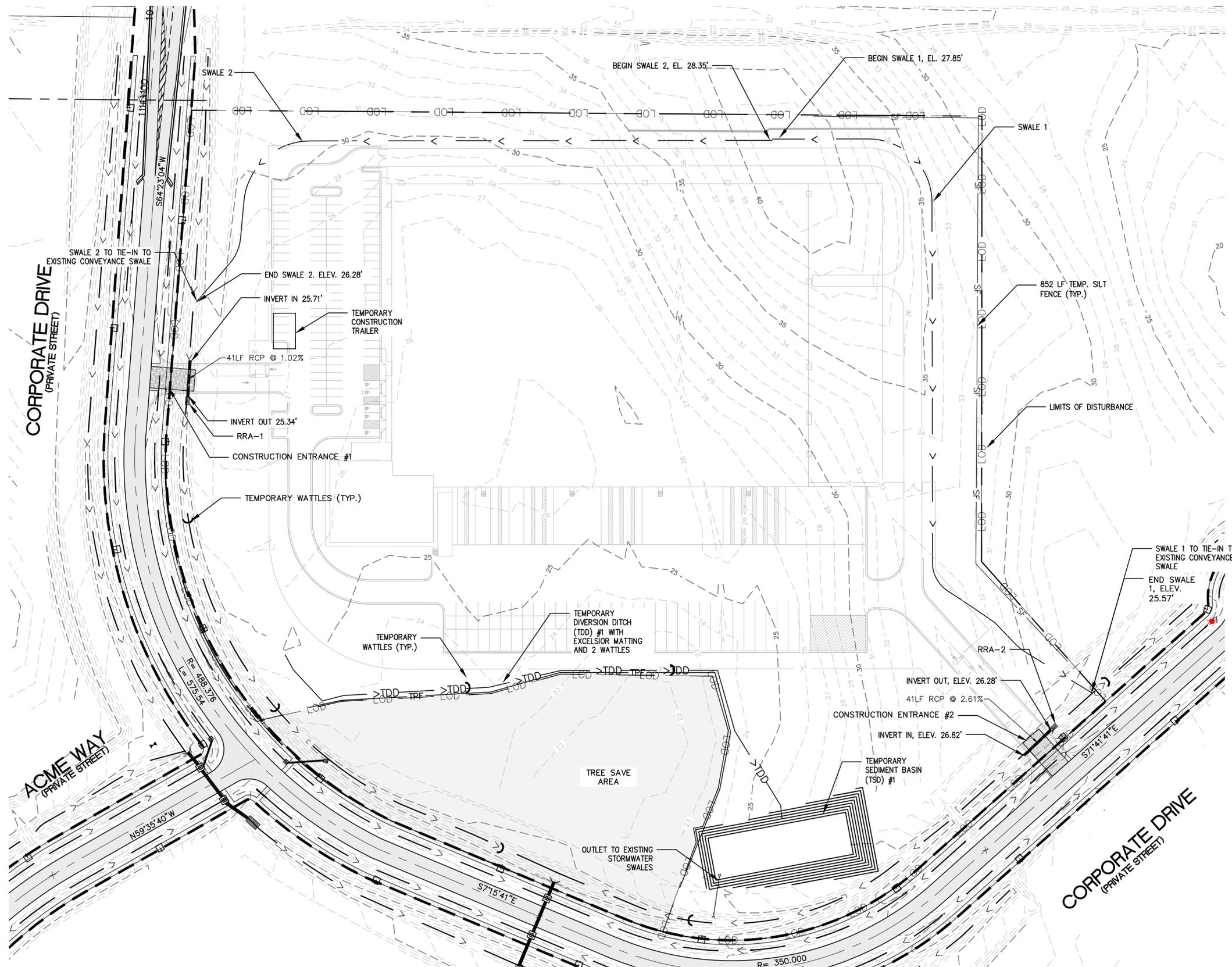
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EROSION CONTROL CONSTRUCTION SEQUENCE (PHASE 1 AND 2)

1. NOTIFY WILMINGTON REGIONAL NCDENR EROSION CONTROL OFFICE AT 910-796-7215 AND OWNER AT LEAST 48 HRS PRIOR TO CONSTRUCTION AND SCHEDULE A PRE-CONSTRUCTION MEETING IF REQUIRED BY NCDENR.
2. INSTALL TEMPORARY (TEMP.) GRAVEL CONSTRUCTION ENTRANCES.
3. INSTALL TEMP. SILT FENCE ALONG LIMITS OF DISTURBANCE AS SHOWN.
4. INSTALL TEMP. DIVERSION DITCHES, WATTLES, AND SEDIMENT BASIN.
5. INSTALL DRIVEWAY PIPES AND OUTLET PROTECTIONS. INSTALL INLET PROTECTIONS ON INLETS. INSTALL PERMANENT SWALES WITH TEMPORARY WATTLES.
6. BEGIN SITE CLEARING AND GRUBBING. MAINTAIN ALL EROSION CONTROL MEASURES.
7. BEGIN MASS GRADING ACTIVITIES TO SUBGRADE ELEVATIONS.
8. UPON BRINGING THE SITE TO ROUGH GRADE, STABILIZE ALL AREAS WITH TEMP. VEGETATION ACCORDING TO THE SEEDING SPECIFICATIONS AND MAINTENANCE NOTES.
9. SUBGRADE OF THE PROPOSED BUILDING PAD, PARKING LOT, LOADING DOCK, AND SITE DRIVES SHALL BE PROOF ROLLED PER SPECIFICATIONS AND WITNESSED BY THE GEOTECHNICAL TESTING CONSULTANT.
10. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, TEMP. EROSION CONTROL MEASURES CAN BE REMOVED ONLY UPON NOTIFYING NCDENR OR ENGINEER. ALL DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED ACCORDING TO THE SEEDING SPECIFICATIONS AND MAINTENANCE NOTES. SEE GENERAL NOTES SHEET G002.

NOTES:

1. SEE SHEET CE501 FOR RIP-RAP OUTLET PROTECTION SCHEDULE (RRA-#).
2. SEE SHEET CE501 FOR TEMP. SEDIMENT BASIN DETAILS.
3. TOTAL PERMITTED DISTURBED AREA = 15.85 ACRES.



REV. NO.	DESCRIPTIONS	DATE
A	FENDER COUNTY TRC SUBMITTAL	10/19/2015

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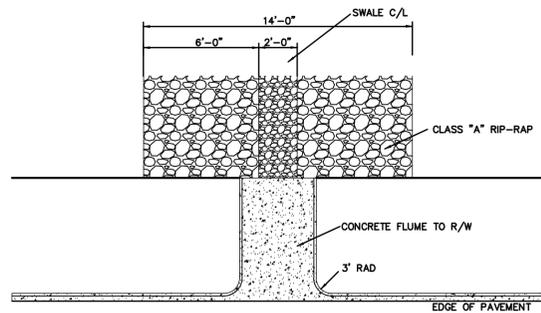
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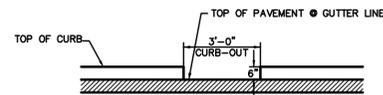
EMPIRE DISTRIBUTION CENTER
SEDIMENT & EROSION CONTROL PLAN

DATE:	10-19-2015
MCE PROJ. #	6965-0001
DRAWN	TCM
DESIGNED	TCM
CHECKED	RMC
PROJ. MGR.	TSM

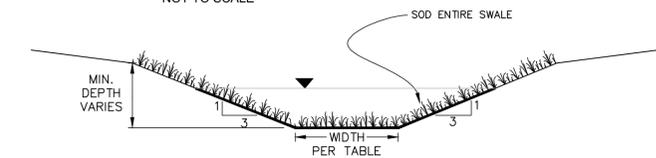
SCALE: 1"=60'
 HORIZONTAL: 1"=60'
 VERTICAL: N/A
 M&C FILE NUMBER: CE-101
 DRAWING NUMBER: 6
 STATUS: 75% PRELIMINARY PLANS
 REVISION: A



PLAN VIEW
NOT TO SCALE



CURB CUT DETAIL
NOT TO SCALE



NOTES:

- VEGETATE SWALES ACCORDING TO SEEDING SCHEDULE IMMEDIATELY UPON COMPLETION.
- TEMPORARY LINER SHALL BE PLACED ON THE BOTTOM AND UP THE SIDESLOPES TO MIN. DEPTH OF 1.0 FT; MULCH ACCORDING TO SEEDING SPECIFICATIONS ABOVE THAT HEIGHT. SEE TEMP. DIVERSION DITCH DETAIL FOR LININGS. LINER SHALL BE EXCELSIOR MATTING OR COIR FIBER MATTING.

SWALE SECTION
NOT TO SCALE

SWALE SUMMARY TABLE

SWALE ID	FROM INV	TO INV	LENGTH (ft)	SLOPE (%)
1	27.85	25.57	865.1	0.26%
2	28.35	26.28	763.06	0.27%

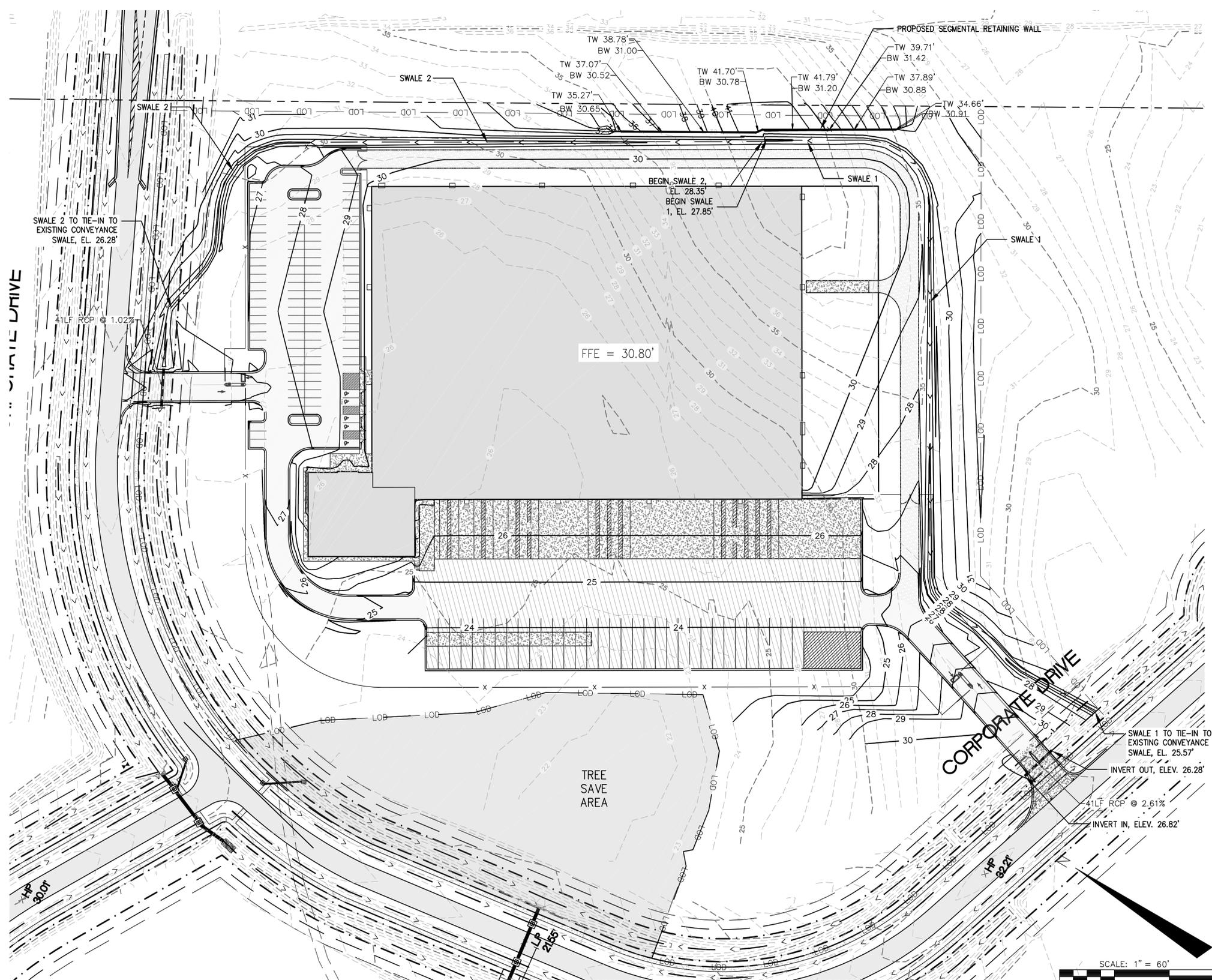
SWALE CALCULATIONS

Swale 1	
DA (ac) =	1.96
BUA =	36,130 (sf)
Tc =	5 (min)
(Q) Design Q ₁₀ =	5.30 (cfs)
(b) Base width =	1 (ft)
(z) sideslopes =	3 (z:1)
(d) depth =	1.5 (ft)
(S) Swale Slope =	0.26% (percent)

(d)	(A)	(P)	(R)	(n)	(V)	(Q)	Comments
Depth (ft)	Area (sf)	Wet'd Per. (ft)	Hyd Rad. (ft)	Mannings (factor)	Velocity (fps)	Flow (cfs)	
Capacity of Swale	1.5	8.25	10.49	0.787	0.030	2.17	17.92 Q>Q(10) ok
Flow Conditions	0.90	3.32	6.68	0.497	0.030	1.60	5.30 V<4 ok

Swale 2	
Area (ac) =	4.65
BUA =	131,633 (sf)
Tc =	5 (min)
(Q) Design Q ₁₀ =	20.21 (cfs)
(b) Base width =	1 (ft)
(z) sideslopes =	3 (z:1)
(d) depth =	2 (ft)
(S) Swale Slope =	0.27% (percent)

(d)	(A)	(P)	(R)	(n)	(V)	(Q)	Comments
Depth (ft)	Area (sf)	Wet'd Per. (ft)	Hyd Rad. (ft)	Mannings (factor)	Velocity (fps)	Flow (cfs)	
Capacity of Swale	2	14.00	13.65	1.026	0.030	2.63	36.83 Q>Q(10) ok
Flow Conditions	1.57	8.93	10.91	0.819	0.030	2.26	20.21 V<4 ok



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EMPIRE DISTRIBUTION CENTER
 GRADING & STORMWATER
 MANAGEMENT PLAN

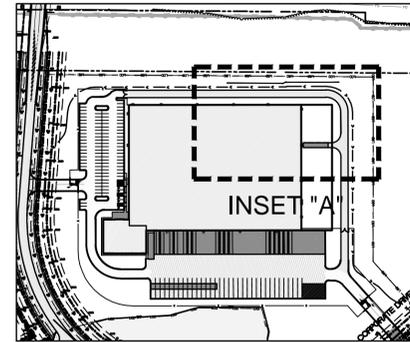
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 MCE PROJ. # 6965-0001
 DRAWN: TCM
 DESIGNED: TCM
 CHECKED: RMC
 PROJ. MGR.: TSM

SCALE: 1" = 60"
 HORIZONTAL: 1" = 60"
 VERTICAL: N/A

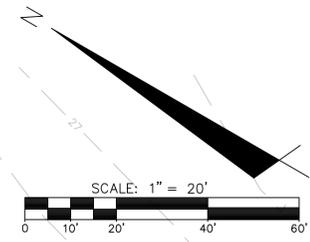
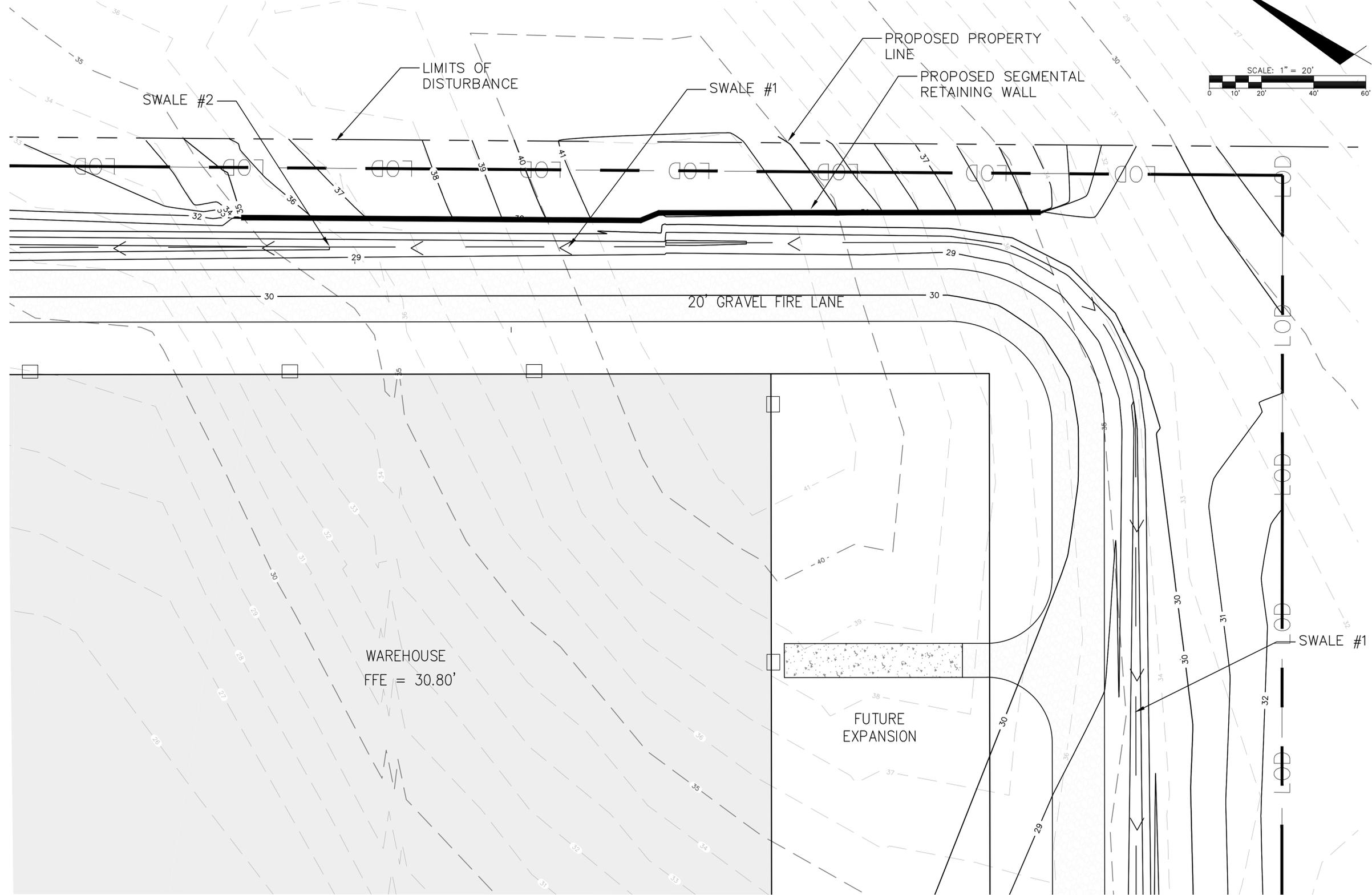
M&C FILE NUMBER: CG-101
 DRAWING NUMBER: 7

STATUS: 75% PRELIMINARY PLANS REVISION A

OVERALL SITE PLAN

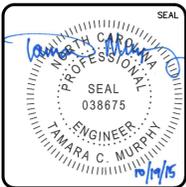


INSET "A"



REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

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EMPIRE DISTRIBUTION CENTER
 ENLARGED GRADING & STORMWATER
 MANAGEMENT PLAN

DATE:	10-19-2015
MCE PROJ. #	6965-0001
DRAWN	TCM
DESIGNED	TCM
CHECKED	RMC
PROJ. MGR.	TSM

SCALE	HORIZONTAL: 1"=20'	VERTICAL: N/A
M&C FILE NUMBER	CG-102	
DRAWING NUMBER	8	

STATUS: 75% PRELIMINARY PLANS REVISION A

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LANDSCAPE CALCULATIONS

OPEN SPACE:
THIS DEVELOPMENT IS CONTAINED WITHIN AN APPROVED INDUSTRIAL PARK (PENDER COMMERCE PARK). THERE ARE NO OPEN SPACE REQUIREMENTS FOR THIS INDIVIDUAL DEVELOPMENT.

LANDSCAPING AND BUFFERS:
THIS DEVELOPMENT IS CONTAINED WITHIN AN APPROVED INDUSTRIAL PARK (PENDER COMMERCE PARK). THERE IS NO EXTERNAL PERIMETER ASSOCIATED WITH THIS INDIVIDUAL DEVELOPMENT. PER PENDER COUNTY UNIFIED DEVELOPMENT ORDINANCE SEC. 5.3.12E 3.B.ii THERE ARE NO BUFFERS REQUIRED FOR INTERNAL BOUNDARIES WITH THE EXCEPTION OF ROAD FRONTAGE.

CORPORATE DRIVE BUFFER TYPE A: BUFFER IS LOCATED FURTHER INTO THE PROPERTY TO AVOID CONFLICT WITH EXISTING SITE CONDITIONS (ROADSIDE SWALES AND EASEMENTS).

1,835 LF OF STREET YARD TOTAL, USING OPTION A-3, 25'

REQUIRED PLANTINGS:

- 1 CANOPY TREE PER 100 LINEAR FEET = 19 CANOPY TREES
- 2 UNDERSTORY TREES PER 100 LINEAR FEET = 38 UNDERSTORY TREES
- 98% GRASS COVERAGE (EXCEPT WITHIN 4' OF THE BASE OF ANY TREE OR SHRUB) <OR 21 SHRUBS PER 100 LINEAR FEET = 386 SHRUBS>

PLANTINGS PROVIDED:

- 25 CANOPY TREES
- 14 UNDERSTORY TREES
- 98% GRASS COVERAGE (EXCEPT WITHIN 4' OF THE BASE OF ANY TREE OR SHRUB)

NOTE: EXISTING TREES TO BE RETAINED WILL BE CREDITED TOWARD REQUIRED TREE PLANTINGS. STREET YARD HAS BEEN DESIGNED TO BE CONSISTENT WITH PREVIOUSLY APPROVED INDIVIDUAL DEVELOPMENT WITHIN COMMERCE PARK DEVELOPMENT.

GENERAL NOTES

- ANY AREAS NOT INDICATED TO HAVE HARDSCAPE, PLANTING, OR MULCH SHALL BE SODDED OR SEEDED.
- ALL PLANTING TYPES SHALL COMPLY WITH LOCAL GOVERNING CODES AND REGULATIONS, CONFORM TO REQUIREMENTS OF PLANT LIST AND TO THE AMERICAN ASSOCIATION OF NURSERYMEN "AMERICAN STANDARD OF NURSERY STOCK" AND "HORTICULTURAL STANDARDS" AS TO SPECIES, AGE, SIZE, AND PLANTING RECOMMENDATIONS.
- THE CONTRACTOR SHALL REPAIR OR REPLACE (AT THE OWNERS DISCRETION) ANY DAMAGE TO EXISTING UTILITIES, WALKS, PAVING OR OTHER SITE ELEMENTS IN PLACE AT THE COMMENCEMENT OF WORK, AT NO ADDITIONAL COST TO THE OWNER.
- ALL TRASH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO ESTABLISHMENT OF FINISH GRADES.
- TREE SAVE AREAS SHALL BE MAINTAINED AS NOTED.
- ANY DISCREPANCIES BETWEEN THIS SHEET AND OTHERS, AS THEY RELATE TO MATERIALS, QUANTITIES AND SPECIFICATIONS SHALL BE REFERRED TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION.

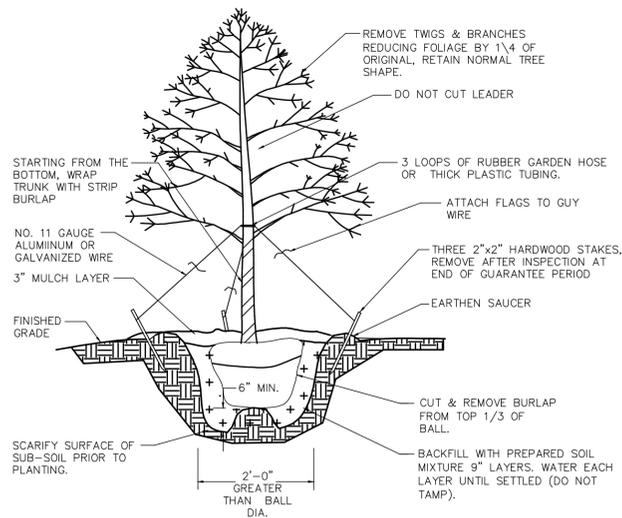
GRASS NOTES

APRIL 1 THRU AUGUST 30
80% BERMUDA GRASS (CYNODEN DACTYLON)
20% ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)
SEEDING RATE: 2-3 LBS/1000 S.F.

AUGUST 30 THRU MARCH 31
70% KENTUCKY 31 TALL FESCUE (FESCUE ARUNDINECEA)
30% ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)
SEEDING RATE: 6-7 LBS/1000 S.F.

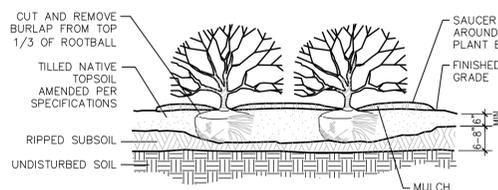
PLANTING LEGEND

KEY (nts)	BOTANICAL NAME	COMMON NAME	QUANTITY	CALIPER	HEIGHT	REMARKS
	ULMUS PARVIFOLIA 'LACEBAR ALEE'	ALLEE LACEBARK ELM	24	2.5"-3"	14'-16'	FULL HEAD, WELL BRANCHED, VIGOROUS GROWTH
	LAGERSTROEMIA 'NATCHEZ'	'NATCHEZ' CRAPE MYRTLE	6	2.5"	10'-12'	FULL HEAD, WELL BRANCHED, VIGOROUS GROWTH
	CORNUS 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS DOGWOOD	8	2.5"	10'-12'	ACTUAL PLACEMENT TO BE DETERMINED AT TIME OF INSTALLATION BY LANDSCAPE ARCH.
	LIGUSTRUM JAPONICUM 'RECURVIFOLIUM'	PRIVET	95	-	24"-30"	FULL, 5' O.C



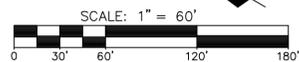
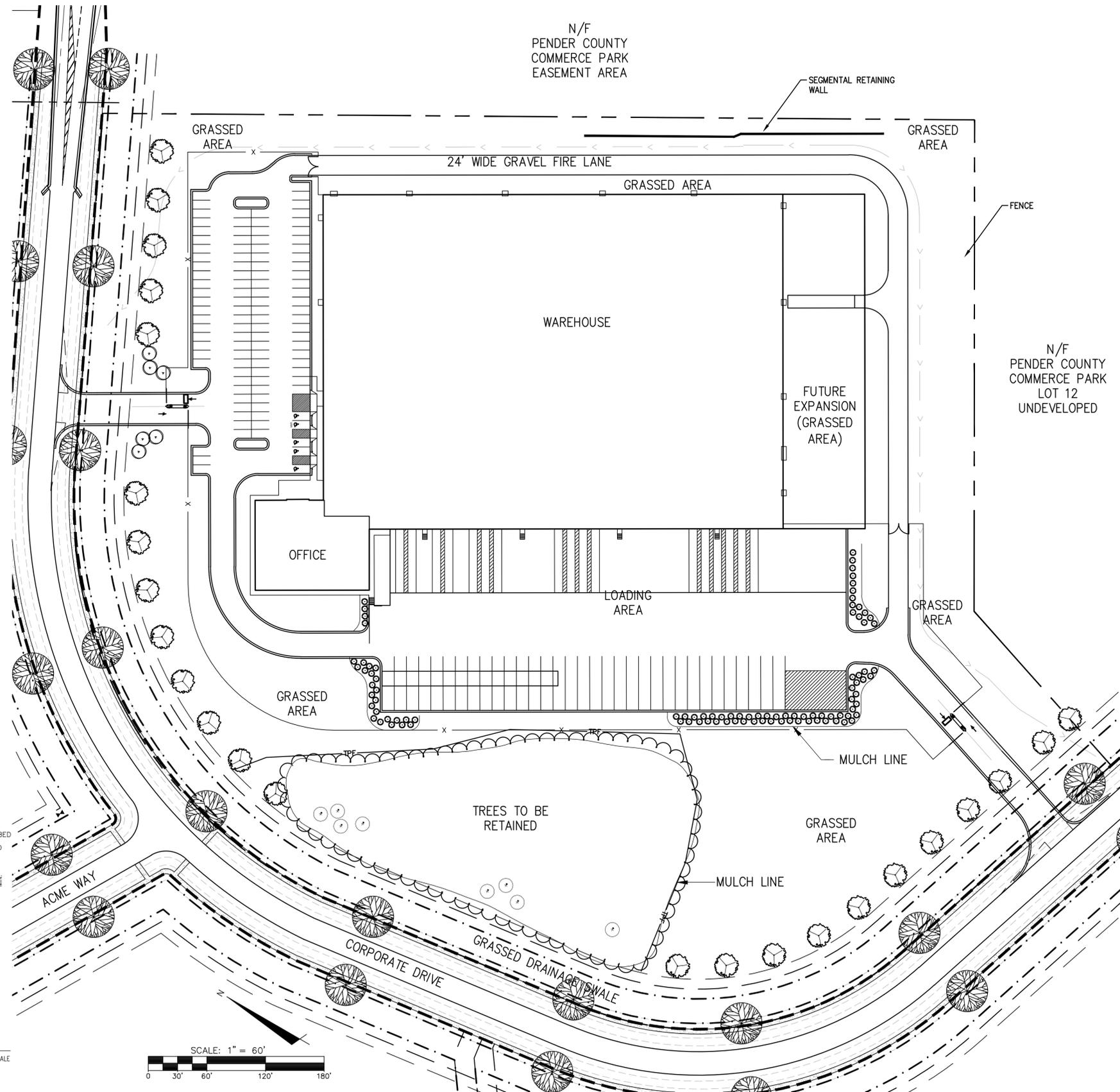
TREE PLANTING DETAIL

NOT TO SCALE



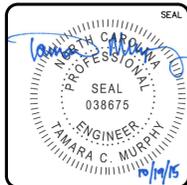
SHRUB PLANTING DETAIL

NOT TO SCALE



REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

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EMPIRE DISTRIBUTION CENTER
LANDSCAPE PLAN

DATE: 10-19-2015
MCE PROJ. # 6965-0001
DRAWN: TSM
DESIGNED: TSM
CHECKED: RMC
PROJ. MGR.: TSM

SCALE: 1"=60'
HORIZONTAL: 1"=60'
VERTICAL: N/A

M&C FILE NUMBER: CL-101
DRAWING NUMBER: 9

STATUS: 75% PRELIMINARY PLANS REVISION A

UTILITY MARKING:

ALL UNDERGROUND UTILITY LINES OUTSIDE OF THE BUILDING FOOTPRINT, EXCEPT LAWN IRRIGATION LINES, SHALL HAVE WARNING TAPE INSTALLED IN THE BACKFILL BETWEEN 6" TO 24" BELOW FINISHED GRADE, DIRECTLY OVER PIPING.

- METALLIC LINES SHALL BE IDENTIFIED WITH PRINTED DURABLE PLASTIC WARNING TAPE, MINIMUM 3" WIDTH AT 12" BELOW FINISHED GRADE, WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- NON-METALLIC LINES, OTHER THAN GAS LINES, SHALL BE IDENTIFIED BY DETECTABLE WARNING TAPE, MINIMUM 2" WIDTH AT 12" BELOW FINISHED GRADE, WITH LETTERING TO IDENTIFY BURIED LINE BELOW.
- 2009 NC GAS CODE 404.14.3 TRACER: AN INSULATED COPPER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NON-METALLIC LINES. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT THE END OF THE NON-METALLIC LINES. THE TRACER WIRE SIZE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL.

ADDITIONAL TREATMENTS:

HVAC EQUIPMENT, AIR CONDITIONING WINDOW UNITS, AND OTHER ELECTRICAL EQUIPMENT SHALL NOT BE LOCATED ON STREET FRONTAGES. ALL SUCH EQUIPMENT SHALL BE PLACED IN THE INTERIOR YARDS OR ON THE ROOF OF THE BUILDING AND SCREENED FROM THE RIGHT OF WAY. THROUGH-WALL MECHANICAL UNITS ARE PERMITTED ON ANY FACADE IF THEY ARE INCORPORATED INTO THE DESIGN OF THE BUILDING, FLUSH WITH THE FACADE ON WHICH THEY ARE LOCATED, CONCEALED BY A VENT COVER AND HAVE AN INTERNAL DRIP SYSTEM FOR CONDENSATION. UTILITY METERS, TRANSFORMERS AND FIXED TRASH DISPOSAL RECEPTACLES SHALL BE SCREENED IN ACCORDANCE WITH THE PENDER COUNTY UNIFIED DEVELOPMENT CODE SCREENING REQUIREMENTS.

SOLID WASTE:

- SOLID WASTE DISPOSAL WILL BE LOCATED IN THE DUMPSTER AREA.

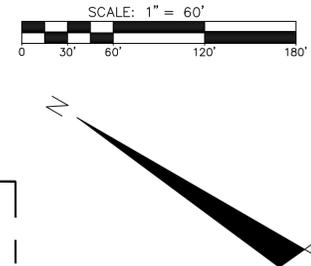
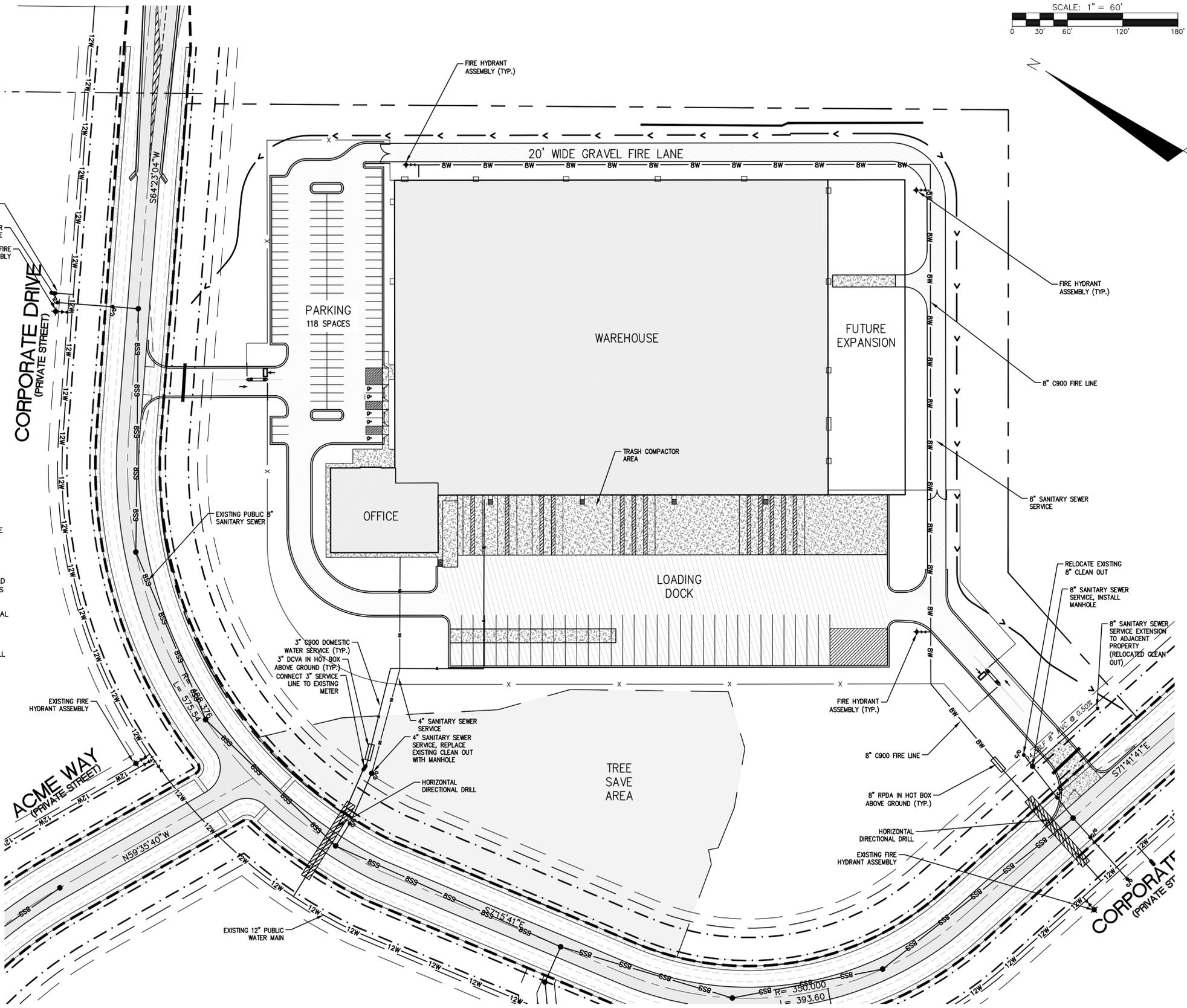
ESTIMATED WATER & SANITARY DEMAND			
PROPOSED USE	EXISTING FLOW (GPD)	REQUIREMENT	FLOW (GAL)
EMPIRE DISTRIBUTION	27,000	25 GAL/EMPLOYEE/SHIFT	2,125
TOTAL =			2,125

UTILITY NOTES:

- SCHEDULE A PRE-CONSTRUCTION MEETING WITH PENDER COUNTY UTILITIES, REQUIRED PRIOR TO CONSTRUCTION.
- WATER AND SANITARY SEWER UTILITY MAINS ARE PRIVATE BEYOND THE STREET RIGHT-OF-WAY.
- THIS PROJECT SHALL COMPLY WITH THE PENDER COUNTY UTILITY CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND NCDENR HAS ISSUED THE "FINAL APPROVAL".
- ALL COMMERCIAL WATER SERVICES AND ANY IRRIGATION SYSTEMS SUPPLIED BY PENDER COUNTY WATER SHALL HAVE A BACKFLOW PREVENTION DEVICE ACCEPTABLE TO PENDER COUNTY AND APPROVED BY USFCFCCCHR OR ASSE.
- BACKFLOW PREVENTION AND METERS WILL BE PROVIDED FOR BOTH FIRE LINES (RPZ) AND DOMESTIC SERVICE (RPZ). FIRE LINE BACKFLOW PREVENTER AND DOMESTIC SERVICE BACKFLOW PREVENTER WILL BE LOCATED AS SHOWN ON THE UTILITY PLANS. INSTALLER OF BACKFLOW PREVENTERS MUST CONTACT PENDER COUNTY UTILITIES PRIOR TO INSTALLING UNITS TO GIVE PENDER COUNTY UTILITIES THE OPTION TO VERIFY INSTALLATION PROCEDURES.
 - REDUCED PRESSURE PRINCIPLE ASSEMBLY FOR DOMESTIC WATER SERVICE
 - REDUCE PRESSURE DETECTOR ASSEMBLY WILL BE UTILIZED FOR THE BACKFLOW PREVENTER ON THE FIRE SERVICE.
- IF THE CONTRACTOR DESIRES PENDER COUNTY WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- WATER: 1.5" & 2" PVC MAINS SHALL BE CONSTRUCTED USING ASTM D2241, IPS, GASKETED PIPE, SDR 21. 4"-12" PVC MAINS AND SERVICES SHALL BE CONSTRUCTED USING AWWA C-900 PVC, CL235 (DR-18).
- SANITARY SEWER: FOR PIPE SIZES 4" AND 6" PIPE SHALL BE SCH 40 CONFORMING TO THE REQUIREMENTS OF ASTM D1785 WITH SOLVENT WELD JOINTS CONFORMING TO ASTM D2872. FOR PIPE SIZES 8" THROUGH 12" PIPE SHALL BE CLASS 150, DR18 CONFORMING TO THE REQUIREMENTS OF AWWA C900 WITH ELASTOMERIC PUSH-ON JOINTS CONFORMING TO ASTM D3212 OR ASTM D3139.
- WATER AND SEWER SERVICES CANNOT BE ACTIVATED ON NEW MAINS UNTIL ENGINEER'S CERTIFICATION AND AS-BUILTS ARE RECEIVED AND "FINAL APPROVAL" ISSUED BY PUBLIC WATER SUPPLY SECTION OF NCDENR AND "FINAL ENGINEERING CERTIFICATION" ISSUED BY DIVISION OF WATER QUALITY OF NCDENR.
- PVC WATER MAINS AND POLYETHYLENE SERVICES ARE TO BE MARKED WITH NO. 10 SINGLE STRAND INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES. THIS WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
- SITE UTILITY CONTRACTOR TO PROVIDE WATER AND SANITARY SEWER SERVICE TO WITHIN 5 FEET OF THE BUILDING. CONTRACTOR SHALL COORDINATE SITE PLAN CONNECTIONS WITH THE ARCHITECTURAL BUILDING PLANS.
- MAXIMUM BENDING RADIUS FOR 8" C-900 PVC WATER MAIN BENDS IS 380' (ONE-HALF MANUFACTURER'S RECOMMENDED ALLOWABLE LONGITUDINAL BENDING).
- FIRE SPRINKLERS WILL BE PROVIDED FOR BUILDING.
- UNDERGROUND UTILITIES: ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE SUCH PLACEMENT IS PROHIBITED OR DEEMED IMPRACTICAL BY THE UTILITY PROVIDER. UNDERGROUND TERMINAL FACILITIES FOR STREET LIGHTING ALONG THE PUBLIC STREETS ABUTTING THE SUBJECT SITE SHALL BE INSTALLED BY THE DEVELOPER.
- MINIMUM OF 36" COVERAGE ABOVE ALL WATERMANS.
- MINIMUM OF 36" VERTICAL SEPARATION BETWEEN WATERLINES AND STORMDRAIN CURB INLETS.

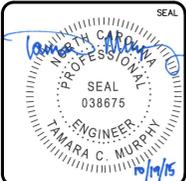
RELATION OF WATER MAINS TO SEWERS:

- LATERAL SEPARATION OF SEWERS AND WATER MAINS: WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWERS UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10 FOOT LATERAL SEPARATION, IN WHICH CASE:
 - THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, OR
 - THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND ABOVE THE TOP OF THE SEWER.
- CROSSING A WATER MAIN OVER A SEWER MAIN: WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS OVER A SEWER THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 24 INCHES ABOVE THE TOP OF THE SEWER MAIN. UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION - IN WHICH CASE BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
- CROSSING A WATER MAIN UNDER A SEWER MAIN: WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER MAIN BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
- CROSSING A SEWER MAIN/WATER MAIN OVER OR UNDER A STORM DRAIN: WHENEVER IT IS NECESSARY FOR A SEWER MAIN/WATER MAIN TO CROSS A STORM DRAIN PIPE, THE SEWER MAIN/WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE OUTSIDE OF THE SEWER MAIN/WATER MAIN NEAREST TO THE OUTSIDE OF THE STORM DRAIN PIPE SHALL MAINTAIN A 24 INCH CLEAR SEPARATION DISTANCE HORIZONTAL, OR THE SEWER MAIN/WATER MAIN SHALL EITHER BE CONSTRUCTED OF DUCTILE IRON PIPE OR ENCASED IN EITHER CONCRETE OR DUCTILE IRON PIPE FOR AT LEAST 5 FEET ON EITHER SIDE OF THE CROSSING.



REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

PRELIMINARY - DO NOT USE FOR CONSTRUCTION



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 243 North Front Street
 Wilmington, North Carolina 28401
 Phone: (910)343-1048, Fax: (910)251-8282
 License: F-1222
 www.mckimcreed.com

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UTILITY PLAN

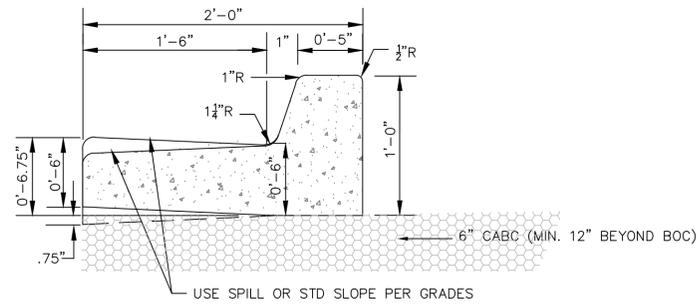
DATE: 10-19-2015
 MCE PROJ. # 6965-0001
 DRAWN: TCM
 DESIGNED: TCM
 CHECKED: RMC
 PROJ. MGR.: TSM

SCALE: HORIZONTAL: 1"=60'
 VERTICAL: N/A

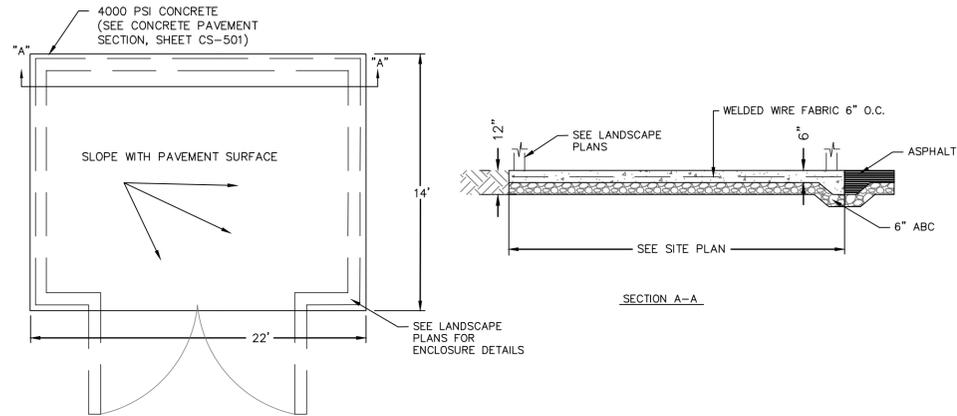
M&C FILE NUMBER: CU-101
 DRAWING NUMBER: 10

STATUS: 75% PRELIMINARY PLANS REVISION A

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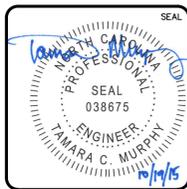
STANDARD 24" CURB SECTION
NOT TO SCALE (COW SD 7-01 + SD 1-02)



DUMPSTER PAD
NOT TO SCALE

REV. NO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

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SITE DETAILS

DATE:	10-19-2015
MCE PROJ. #	6965-0001
DRAWN	TCM
DESIGNED	TCM
CHECKED	RMC
PROJ. MGR.	TSM

SCALE	HORIZONTAL: 1"=60'	VERTICAL: N/A
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M&C FILE NUMBER	CS-502
DRAWING NUMBER	12

STATUS: 75% PRELIMINARY PLANS REVISION

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NOTES:
 1. CONCRETE SHALL BE 3,000 PSI MIN.
 2. CONCRETE FOR THRUST BLOCKING SHALL BE KEPT FAIRLY DRY. THIS MAKING THE CONCRETE WEDGE SHAPE MORE EASILY FORMED WITH THE WIDEST PART (BLOCKING AREA) AGAINST UNDISTURBED SOIL.
 3. NO CONCRETE SHALL COVER ANY BOLTS OR GLANDS.
 4. ALL FITTINGS AND ACCESSORIES TO BE WRAPPED WITH 10 MIL POLYETHYLENE PRIOR TO POURING BLOCKING.
 5. VOLUME OF THRUST BLOCKING SHALL BE AS SHOWN ON THE THRUST BLOCKING SCHEDULE.

PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE		PLUG
	A	B	A	B	A	B	A	B	C	D	
4"	8"	12"	8"	8"	8"	8"	8"	8"	8"	10"	18"
6"	10"	12"	8"	10"	8"	8"	8"	10"	10"	12"	18"
8"	15"	15"	10"	10"	8"	8"	8"	10"	12"	12"	24"
10"	18"	14"	10"	12"	8"	10"	8"	10"	11"	14"	25"
12"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	30"
14"	22"	18"	14"	16"	10"	14"	10"	14"	16"	18"	34"
18"	28"	20"	18"	18"	12"	18"	12"	18"	18"	20"	38"
20"	30"	28"	24"	18"	13"	12"	9"	18"	18"	24"	48"
24"	48"	33"	30"	21"	18"	18"	15"	11"	21"	21"	58"

PENDER COUNTY UTILITIES
 605 EAST FREMONT STREET
 BURGAW, NC 28425

THRUST BLOCK STANDARD DETAIL
 VERSION #1 - SEPTEMBER 2015

NOTES:
 1. FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION.
 2. FIRE HYDRANTS TO BE LOCATED IN ROW.
 3. INSTALL WITH BURY LINE FLUSH TO FINAL GRADE.
 4. HYDRANTS TO BE AVK SERIES 278 HYDRANT, NOSTALGIC STYLE DRY BARREL.
 5. HYDRANTS TO BE RED WITH SILVER CAPS AND BONNET.

PENDER COUNTY UTILITIES
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 BURGAW, NC 28425

FIRE HYDRANT ASSEMBLY STANDARD DETAIL
 VERSION #1 - SEPTEMBER 2015

NOTES:
 1. FH ACCESS CULVERT SHALL BE A MINIMUM OF 8' IN LENGTH.
 2. DIAMETER OF FH ACCESS CULVERT SHALL BE DETERMINED BY THE LARGER OF THE DRAINAGE PIPES IMMEDIATELY UPSTREAM OR DOWNSTREAM OF THE HYDRANT LOCATION. MINIMUM PIPE DIAMETER SHALL BE 15".

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 BURGAW, NC 28425

FIRE HYDRANT ACCESS STANDARD DETAIL
 VERSION #1 - SEPTEMBER 2015

PENDER COUNTY UTILITIES
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 BURGAW, NC 28425

TAPPING SLEEVE AND VALVE ASSEMBLY STANDARD DETAIL
 VERSION #2 - SEPTEMBER 2015

NOTE:
 1. CONTRACTOR SHALL PLACE METER BOX IN NON-TRAFFIC AREA ONLY.
 2. ALL TAPS TO BE MADE ON THE TOP QUARTER OF THE WATER MAIN.
 3. CONTRACTOR SHALL CENTER METER YOKE IN METER BOX.
 4. McDONALD 28-700WZD 33 (6") McDONALD 28-410WZD 44 (1")
 5. BOX TO BE ADJUSTED VERTICALLY TO ACCEPT COUNTY'S STANDARD SERVICE METER (NEPTUNE T-10, PRO READ REGISTER, R900 MU).
 6. METER TO BE SET BY COUNTY UPON RECEIPT OF WATER SERVICE FEES, AND SATISFACTORY INSPECTION OF WATER SERVICE TO HOUSE.
 7. TAPS ON WATER MAINS LARGER THAN 18" SHALL BE MADE WITH DUAL WIRE BAND, STAINLESS STEEL TAPPING SADDLES (ROMAC 2028).
 8. 1 1/2" METERS REQUIRE 2" TAP AND 2" SQUARE NUT GATE VALVE PER 2" METER DETAIL. REDUCE TO 1 1/2" SERVICE PIPE.
 9. INSTALL WYE TO PROVIDE A DOMESTIC METER SETTER AND IRRIGATION METER SETTER PER SPLIT SERVICE INSET.

PENDER COUNTY UTILITIES
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 BURGAW, NC 28425

WATER SERVICE (3/4" - 1") STANDARD DETAIL
 VERSION #3 - SEP 2015

NOTE:
 1. EITHER STAINLESS STEEL OR HDPE CASING SPACERS ARE ACCEPTABLE. BUT IN EITHER CASE, THE SPACERS MUST BE MANUFACTURED.
 2. CARRIER PIPE TO BE C900 PVC OR 18. ALL JOINTS RESTRAINED.
 3. ENCASEMENT PIPE TO BE STEEL, WITH MINIMUM WALL THICKNESS IN ACCORDANCE WITH NCDOT REQUIREMENTS OR BETTER.
 4. TOP OF ENCASEMENT PIPE SHALL BE INSTALLED A MINIMUM OF THREE FEET BELOW EXISTING AND/OR PROPOSED PAVEMENT SUB-GRADE.

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 BURGAW, NC 28425

BORE ENCASEMENT STANDARD DETAIL
 VERSION #2 - SEP 2015

REVNO.	DESCRIPTIONS	DATE
A	PENDER COUNTY TRC SUBMITTAL	10/19/2015

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

SEAL
 TAMARA C. MURPHY
 PROFESSIONAL ENGINEER
 038675
 10/19/15

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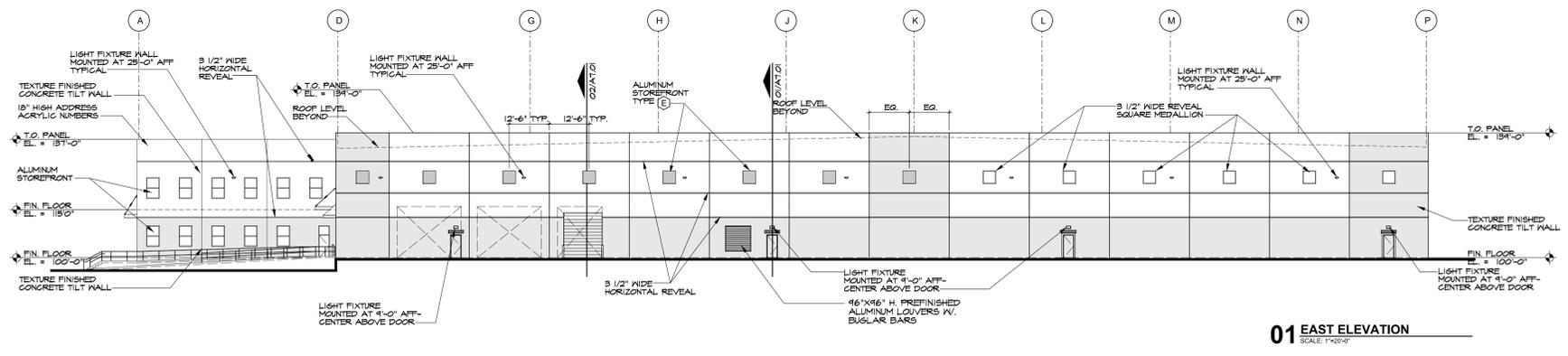
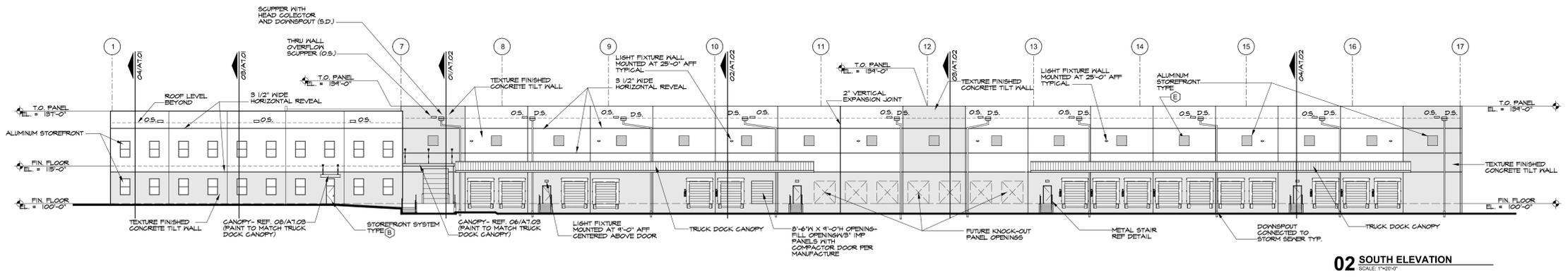
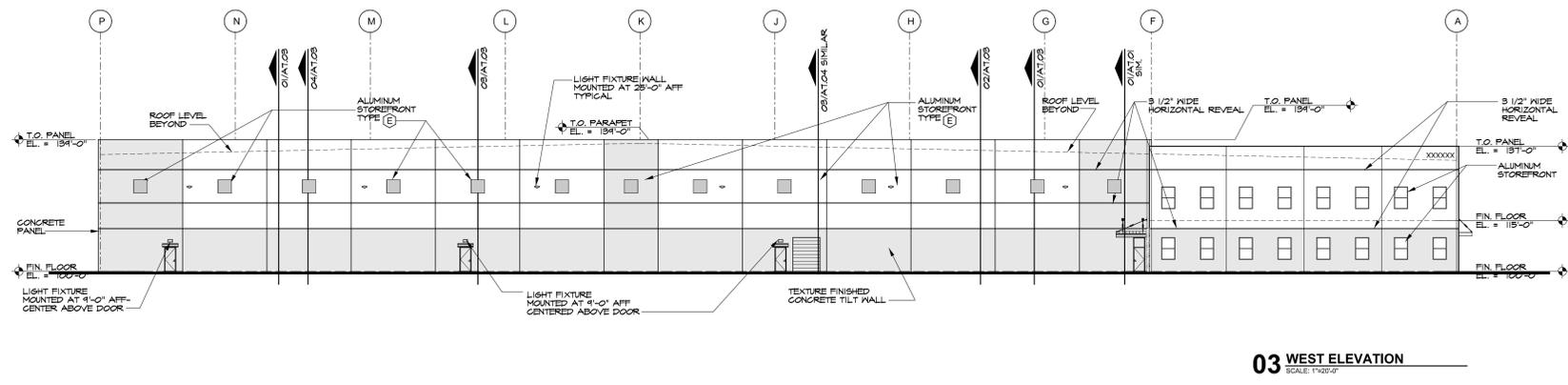
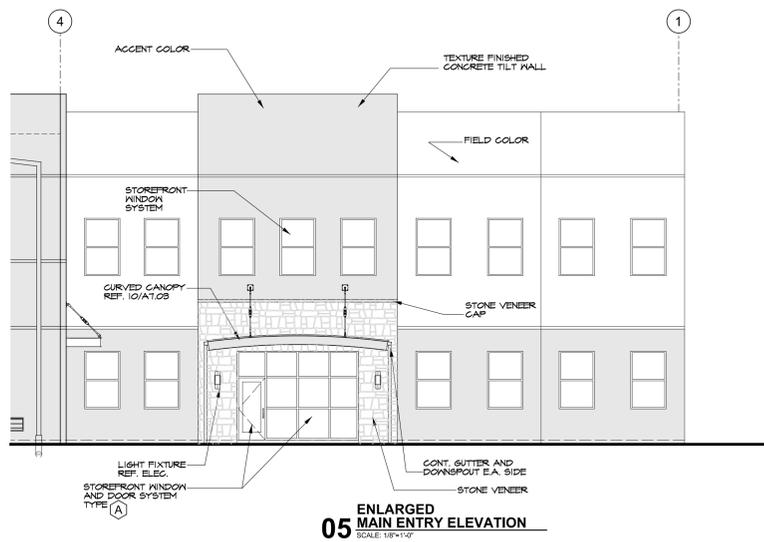
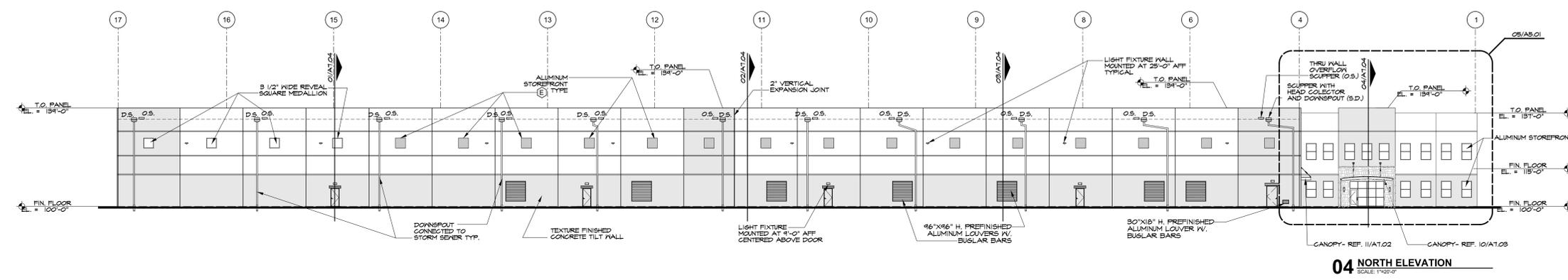
DATE: 10-19-2015
 MCE PROJ. # 6965-0001
 DRAWN TCM
 DESIGNED TCM
 CHECKED RMC
 PROJ. MGR. TSM

SCALE: HORIZONTAL: N/A, VERTICAL: N/A

M&C FILE NUMBER: CU-501
 DRAWING NUMBER: 14

STATUS: 75% PRELIMINARY PLANS

- EXTERIOR FINISHES**
- PRE-CAST PAINT COLORS
 - SHERWIN WILLIAMS FIELD COLOR
 - SHERWIN WILLIAMS ACCENT COLOR
 - OTHER FINISHES
 - INSULATED METAL PANEL COLOR
 - ALL H.M. DOORS, FRAMES, EXPOSED PIPES, CONDUITS, ETC. TO BE PAINTED TO MATCH ADJACENT WALL SURFACE.
 - ALL CANOPIES ARE TO BE EXTERIOR GLASS TO BE



EMPIRE DISTRIBUTORS, INC.

WILMINGTON
PENDER COUNTY
NORTH CAROLINA

DISTRIBUTION CENTER

CMT
Program Manager
15280 Addison Road Suite 300
Addison, TX 75001-4550
PH: (972) 661-2525 FAX: (972) 661-5350

Exterior Elevations

DRAWING RECORD	
Date	Description

A5.01