

SITE DATA
 PARCEL ID: R05009-006-006-000
 ZONING: R-B-REGIONAL BUSINESS
 CAMA LAND USE CLASSIFICATION: URBAN
 PROJECT ADDRESS: 20 OLD EASTWOOD RD. WILMINGTON, NC 28403
 CURRENT OWNERS: CLOS PROPERTIES LLC 1 CHESTERFIELD COURT GREENSBORO, NC 27410

TOTAL ACREAGE IN PROJECT BOUNDARY: 89,908 S.F. (2.06 AC.)

TOTAL ONSITE IMPERVIOUS BEFORE DEVELOPMENT

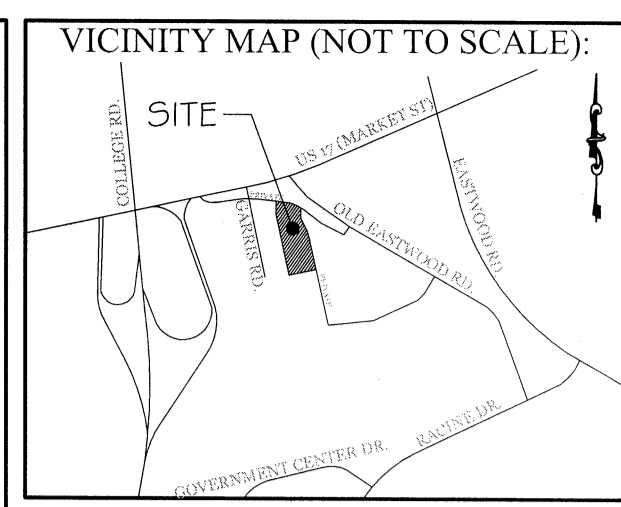
BUILDING	4,606 S.F.
GRAVEL	7,765 S.F.
OBSTACLE COURSE	2,885 S.F.
DRIVES/PARKING	28,358 S.F.
SIDEWALK/GRILL AREA	770 S.F.
TOTAL	44,384 S.F. ÷ 89,908 S.F. = 49.4%

EXISTING ONSITE IMPERVIOUS TO BE REMOVED:

BUILDING	1,581 S.F.
GRAVEL	7,765 S.F.
OBSTACLE COURSE	2,885 S.F.
DRIVES/PARKING	28,173 S.F.
TOTAL	40,404 S.F.

TOTAL EXISTING ONSITE IMPERVIOUS TO BE REMAIN:
3,980 S.F.

TOTAL OFFSITE IMPERVIOUS BEFORE DEVELOPMENT:
SIDEWALK: 410 S.F.
TOTAL: 410 S.F.



REVISIONS

REV.	DESCRIPTION
5-5-17	PER COW ZONING AND STORMWATER COMMENTS

INTRACOASTAL ENGINEERING, PLLC
 5725 Oleander Dr. Unit E-7
 Wilmington, North Carolina 28403
 Phone: 910.859.8983
 Email: Charlie@intracoastalengineering.com
 License Number P-0662

EXISTING CONDITIONS /
 DEMOLITION PLAN
 FOR
**LAND ROVER
 -JAGUAR**
 20 OLD EASTWOOD RD.
 WILMINGTON, NORTH CAROLINA

CLIENT INFORMATION:
 CLOS PROPERTIES, LLC
 A.J. ALIAH
 20 EASTWOOD ROAD
 WILMINGTON, NC 28403
 (910) 332-3500

DRAWN:	JAE	SHEET SIZE:	24 X 36
CHECKED:	CDC	DATE:	3/21/2017
APPROVED:	CDC	SCALE:	1" = 30'
PROJECT NUMBER:	2015-016		

DRAWING NUMBER: **C-0** 1 OF 5

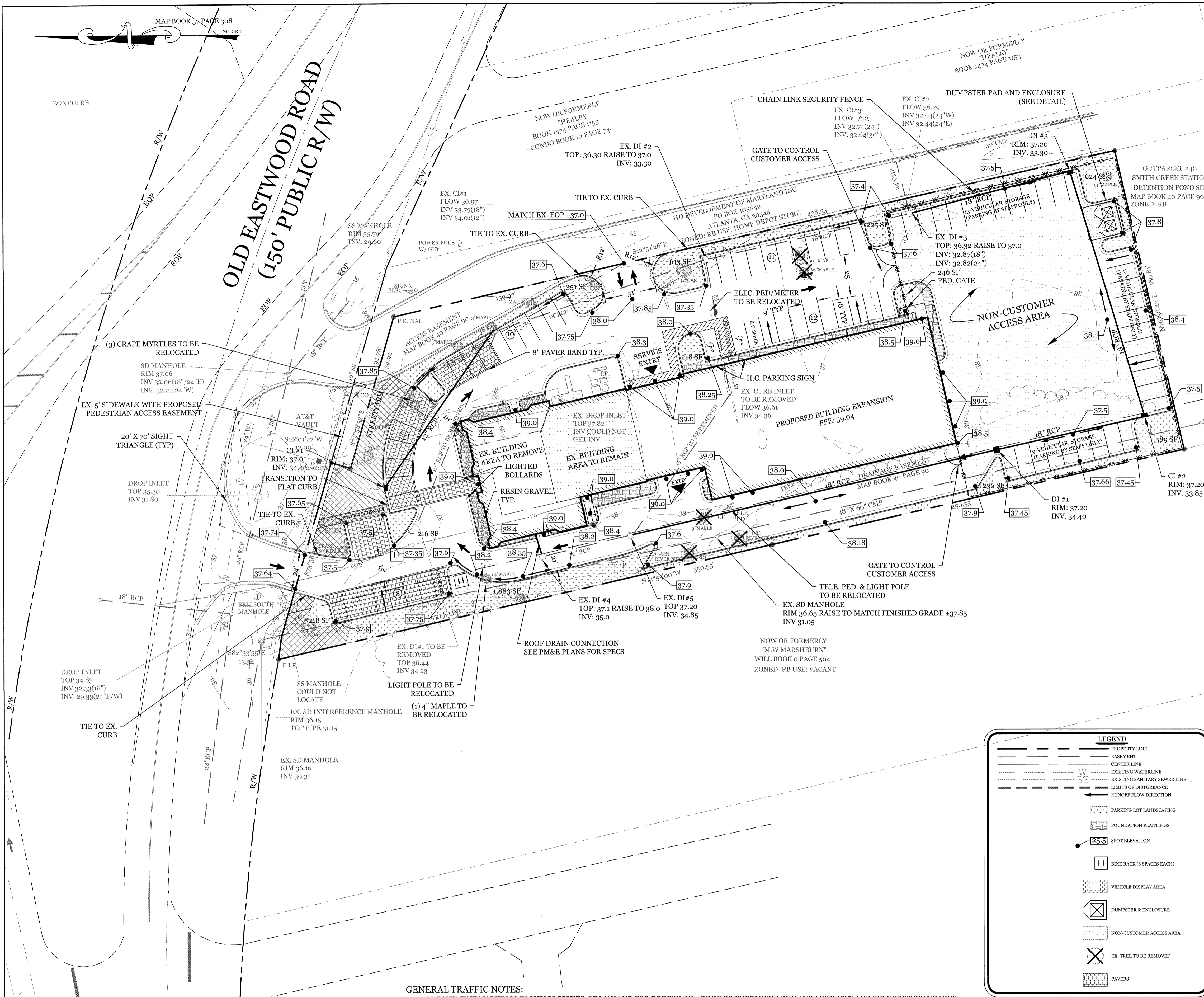
CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Name	Date
Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____

LEGEND

- PROPERTY LINE
- EASEMENT
- CENTER LINE
- EXISTING WATERLINE
- EXISTING SANITARY SEWER LINE
- AREA TO BE REMOVED AND/OR REPLACED



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 CURRENT OWNERS: CLOS PROPERTIES LLC 1 CHESTERFIELD COURT GREENSBORO, NC 27410
 TOTAL ACREAGE IN PROJECT BOUNDARY: 89,908 S.F. (2.06 AC.)
 TOTAL BUILDING SIZE IN SQUARE FEET: 19,734 S.F. TOTAL
 BUILDING HEIGHT: 22'
 BUILDING SETBACKS:
 FRONT: REQUIRED= 25' PROPOSED= 55'
 SIDE: REQUIRED= 0' PROPOSED= 34'
 REAR: REQUIRED= 15' PROPOSED= 130'
 CALCULATION FOR BUILDING COVERAGE: 19,734 S.F. ÷ 89,908 S.F. = 21.9%
 TOTAL ONSITE IMPERVIOUS BEFORE DEVELOPMENT

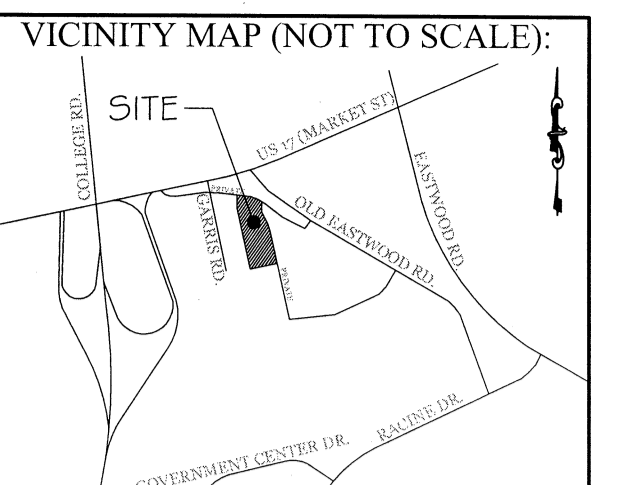
BUILDING GRAVEL: 4,606 S.F.
 OBSTACLE COURSE: 7,765 S.F.
 DRIVES/PARKING: 2,885 S.F.
 SIDEWALK/GRILL AREA: 28,358 S.F.
 TOTAL: 44,384 S.F. ÷ 89,908 S.F. = 49.4%
 * ALL EXISTING IMPERVIOUS AREA TO BE REMOVED EXCEPT WHAT IS LISTED BELOW
 AFTER DEVELOPMENT BUILDINGS: 19,734 S.F. (*3,025 S.F. EXISTING)
 DRIVES/PARKING: 52,926 S.F. (*185 S.F. EXISTING)
 SIDEWALK/GRILL AREA: 972 S.F. (*770 S.F. EXISTING)
 FUTURE: 7,128 S.F.
 TOTAL: 80,760 S.F. ÷ 89,908 S.F. = 89.8%

TOTAL OFFSITE IMPERVIOUS BEFORE AND AFTER DEVELOPMENT:
 SIDEWALK: 410 S.F.
 TOTAL: 410 S.F.
 PARKING REQUIRED: (AUTOMOBILE DEALER 1 PER 500 S.F. G.F.A.)
 19,734 S.F. / 500 S.F. = 39.47 SPACES MIN)
 PARKING PROVIDED= 48 SPACES (2 H.C.)
 BICYCLE PARKING REQUIRED (5 per 100 CAR SPACES)
 48 / 100 * 5 = 2.4 BIKE SPACES
 BICYCLE PARKING PROVIDED: 6 SPACES
 PARKING LOT INTERIOR LANDSCAPING
 REQUIRED: 52,926 S.F. * 8% = 4,234 S.F.
 PROVIDED: 5,419 S.F.
 PARKING LOT INTERIOR SHADING TO BE SHOWN ON LANDSCAPE PLAN

STREETYARD: (MULTIPLIER: 25' MAX; 37.5' MIN; 12.5')
 REQUIRED: 3,000 S.F. (120' X 25')
 PROVIDED: 3,096 S.F.
 FOUNDATION PLANTINGS:
 NORTH FACE REQUIRED: 203 SF (1,694 SF X 12%)
 PROVIDED: 395 SF
 SOUTH FACE REQUIRED: 203 SF (1,672 SF X 12%)
 PROVIDED: 234 SF
 EAST FACE REQUIRED: 747 SF (6,226 SF X 12%)
 PROVIDED: 757 SF
 WEST FACE REQUIRED: 0 SF (REAR OF BLD W/O PARKING)
 PROVIDED: 400 SF

DEVELOPMENT NOTES:
 1. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON ZONING ORDINANCE.
 2. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & CITY OF WILMINGTON REGULATIONS.
 3. NO WETLANDS EXIST ON SITE.
 4. PROPERTY IS LOCATED IN ZONE "X" ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP, 3720314800J COMMUNITY-PANEL NUMBER 3148, DATED 04/03/06
 5. PAVEMENT MATERIAL TO BE REVIEWED AND APPROVED BY JAGUAR LAND ROVER PRIOR TO PURCHASE.
 6. SITE LIGHTING TO BE DESIGNED BY OTHERS AND APPROVED BY JAGUAR LAND ROVER AS WELL AS THE CITY OF WILMINGTON.

UTILITY NOTES:
 1. EXISTING WATER AND SANITARY SEWER SERVICES ARE CURRENTLY AVAILABLE TO THE SITE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY PUBLIC MAINS.
 2. ALL UTILITY SERVICES, SUCH AS ELECTRIC POWER, CATV, GAS & TELEPHONE SHALL BE INSTALLED UNDERGROUND.
 3. ALL WATER & SEWER UTILITIES TO BE INSTALLED PER CFPWA TECHNICAL SPECIFICATIONS & STANDARDS.
 4. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND N.C.D.E.N.R. HAS ISSUED THEIR "FINAL APPROVAL". CALL 343-3910 FOR INFORMATION.
 5. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCCOCHR OR ASSE.
 6. WATER & SEWER SERVICES CAN NOT BE ACTIVATED ON NEW MAINS UNTIL THE ENGINEER'S CERTIFICATION AND AS-BUILTS ARE RECEIVED AND "FINAL APPROVAL" ISSUED BY THE PUBLIC WATER SUPPLY SECTION OF NCDENR, AND "FINAL ENGINEERING CERTIFICATION" ISSUED BY DIVISION OF WATER QUALITY SECTION OF NCDENR.
 7. IF CONTRACTOR DESIRES CFPWA 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.
 8. WHEN PVC WATER MAINS AND SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED, SINGLE-STRAND COPPER WIRE INSTALLED & STRAPPED TO THE PIPES WITH DUCT TAPE. THIS IS TO BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
 9. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OR EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB & GUTTER, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
 10. THE BELLSOUTH CONTACT IS STEVE DAYVAULT, BUILDING INDUSTRY CONSULTANT, AT 910-392-8712. CONTACT HIM PRIOR TO STARTING THE PROJECT IN ORDER TO FACILITATE GOOD COMMUNICATION AND MAXIMUM FLEXIBILITY.
 11. THE PROCESS FOR TELEPHONE CABLE PLACEMENT: * FINAL GRADE WILL NEED TO BE ESTABLISHED. * POWER WILL PLACE THEIR CABLE FIRST - APPROXIMATELY 3' DEEP. * BELLSOUTH & CABLE TV WILL THEN PLACE THEIR CABLE AT APPROXIMATELY 2' DEEP.
 12. SOLID WASTE DISPOSAL BY PRIVATE DUMPSTER SERVICE.



REVISIONS

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 License Number P-0662

SITE, GRADING, & DRAINAGE PLAN
 FOR
LAND ROVER -JAGUAR
 20 OLD EASTWOOD RD.
 WILMINGTON, NORTH CAROLINA



CLIENT INFORMATION:
 CLOS PROPERTIES, LLC
 A.J. ALIAH
 20 EASTWOOD ROAD
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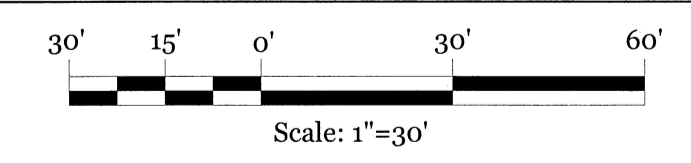
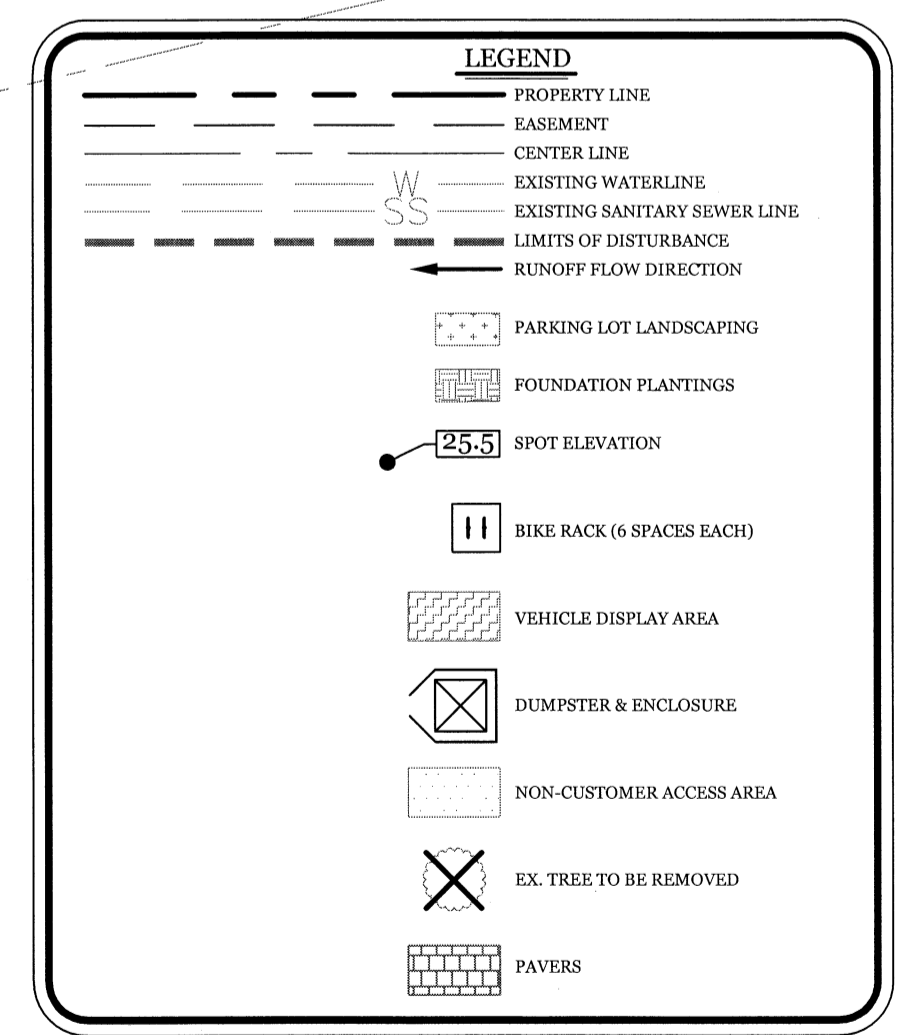
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DRAWING NUMBER: **C-1** 2 OF 5

STORM DRAIN PIPE LENGTH/SLOPE

PIPE	LENGTH	SLOPE
CI#1 TO EX. CI#1	113 FT	0.35%
EX. DI#5 TO DI#1	220 FT	0.20%
DI#1 TO CI#2	89 FT	0.62%
CI#2 TO CI#3	150 FT	0.37%
CI#3 TO EX. DI#3	95 FT	0.45%

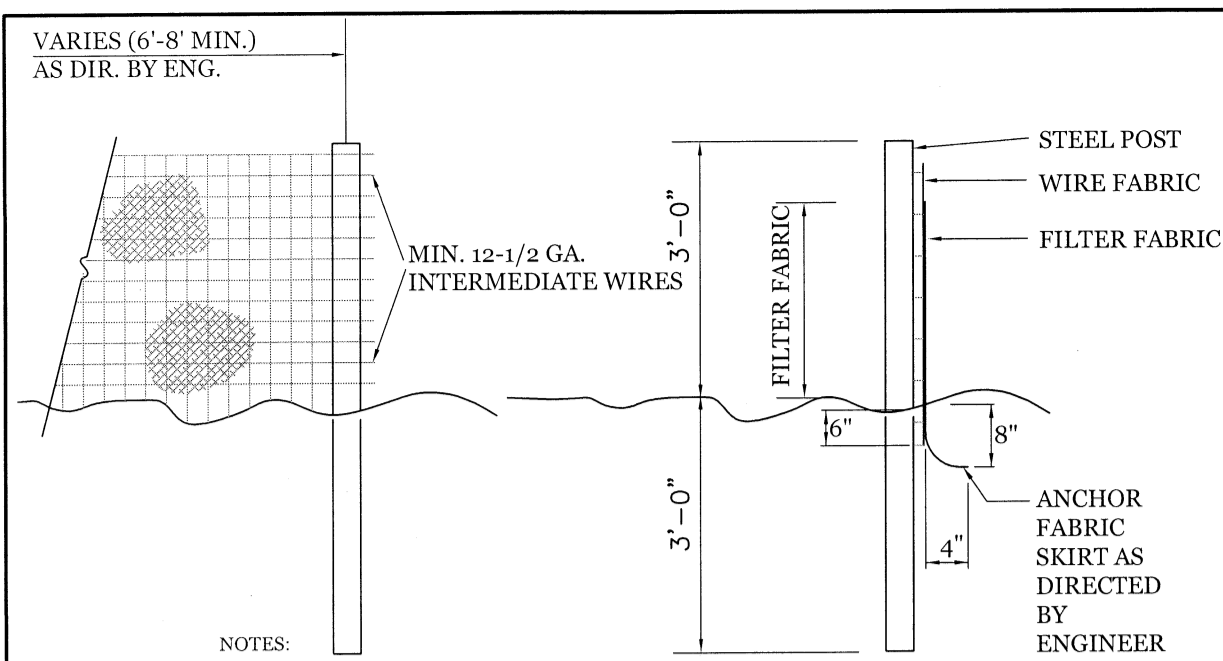
- GENERAL TRAFFIC NOTES:**
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD-13 COFW TECH STDS]
 - ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. [DETAIL SD 15-13 COFW TECH STDS]
 - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
 - ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT. [SD 15-14 COFW TECH STDS]
 - CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 - ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10'.
 - ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 - A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT. [SD 15-14 COFW TECH STDS]



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

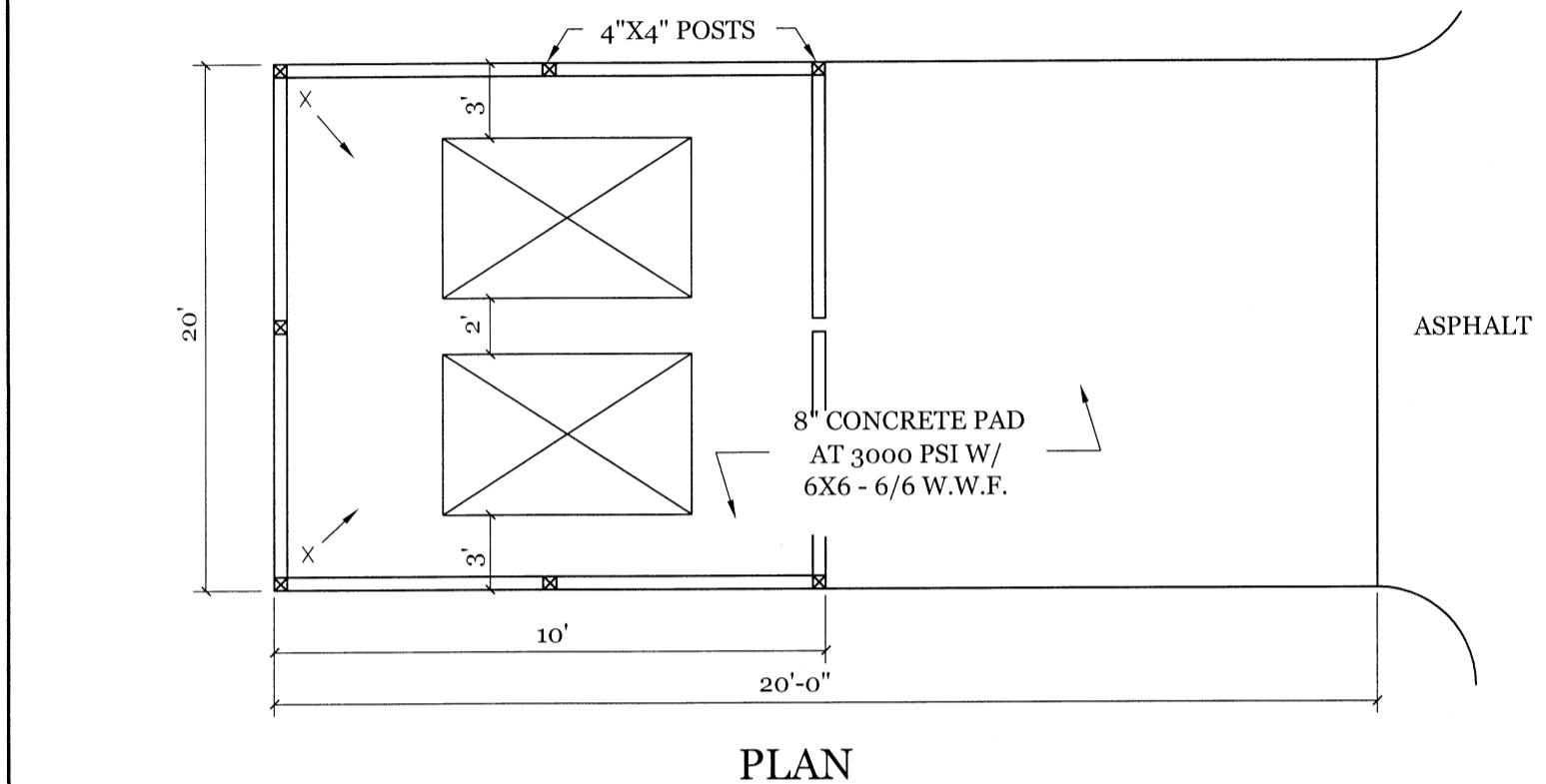
Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

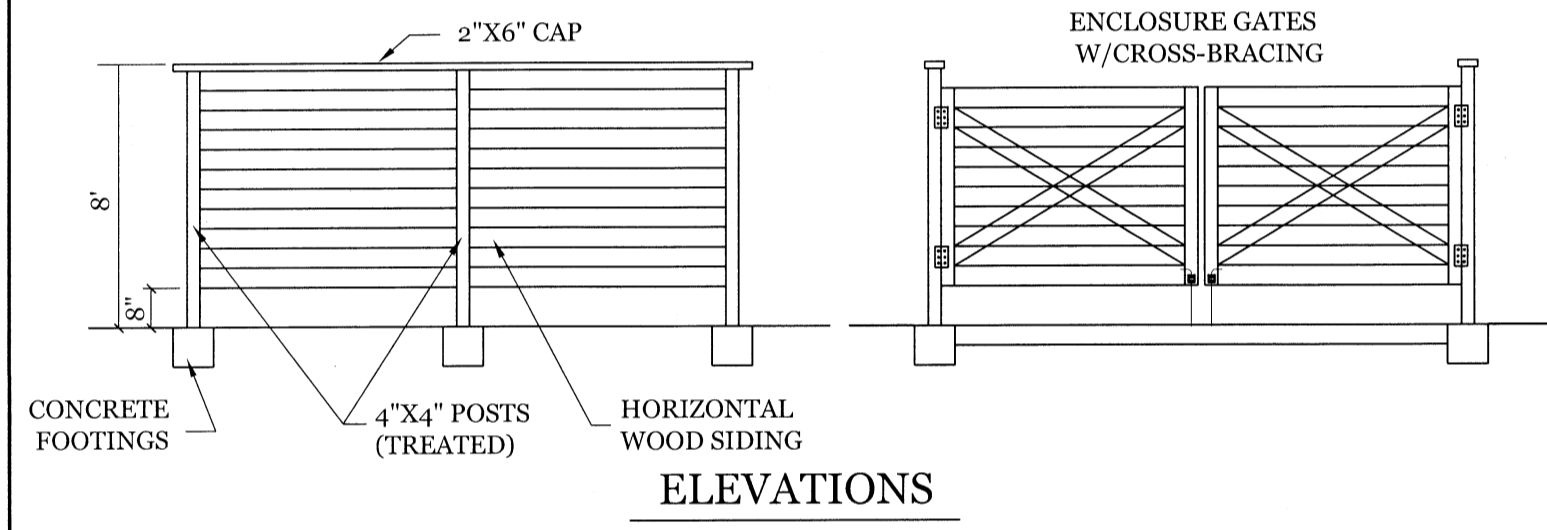


- NOTES:
- FENCE FABRIC SHALL BE A MIN. OF 24" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" SPACING.
 - FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
 - STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

TEMPORARY SILT FENCE
NTS

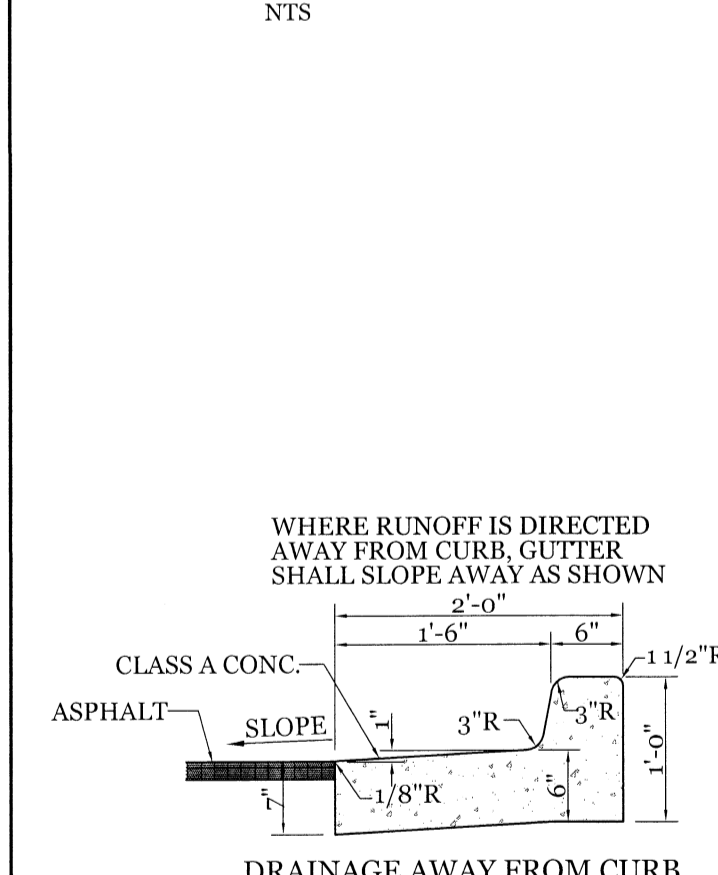


PLAN



ELEVATIONS

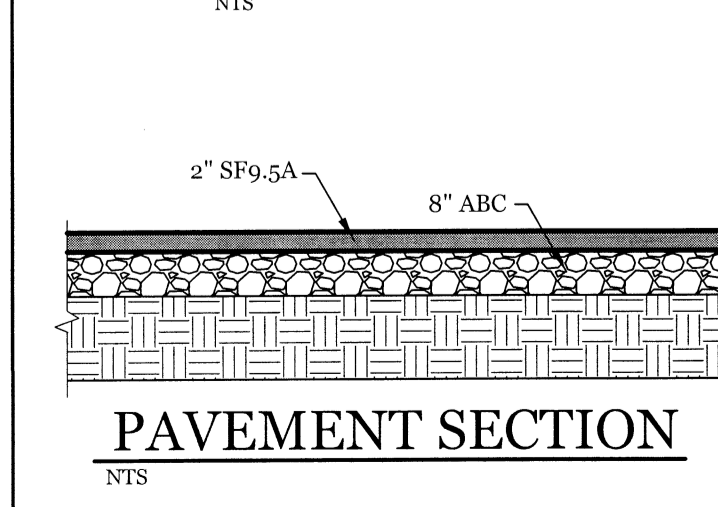
DUMPSTER PAD & ENCLOSURE DETAIL
NTS



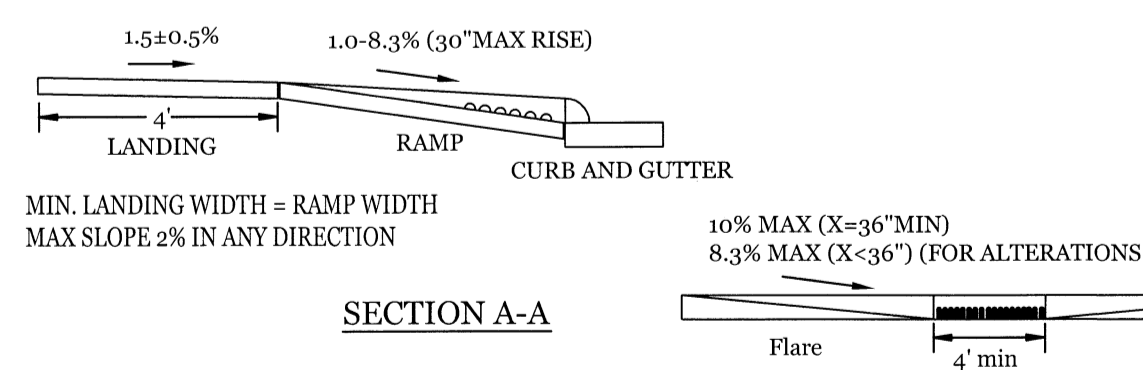
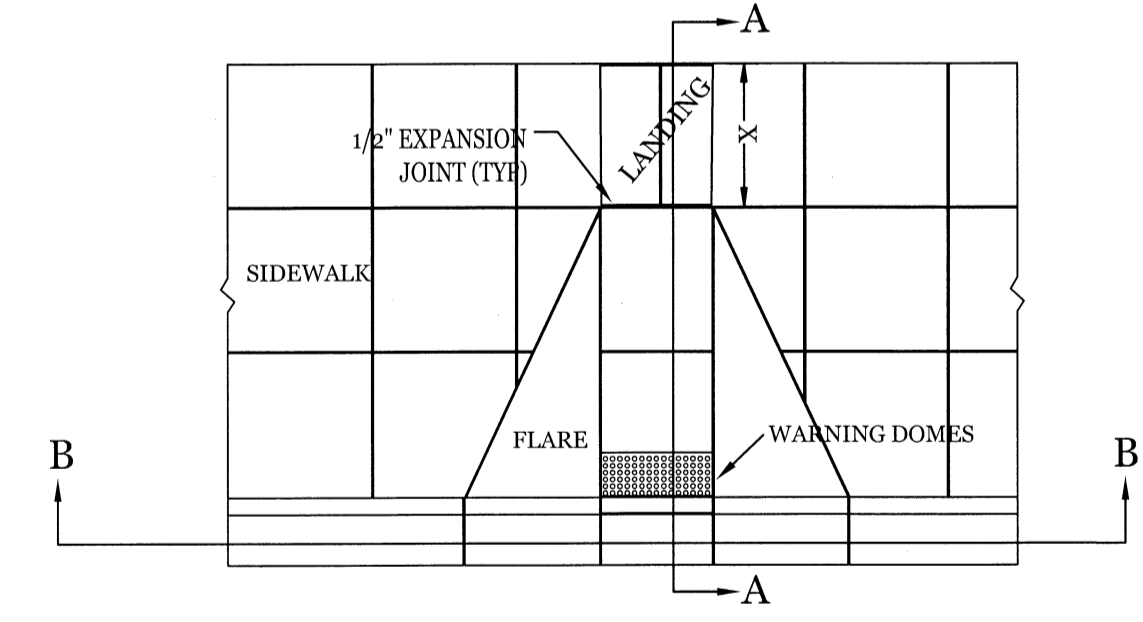
DRAINAGE AWAY FROM CURB

DRAINAGE TOWARD CURB

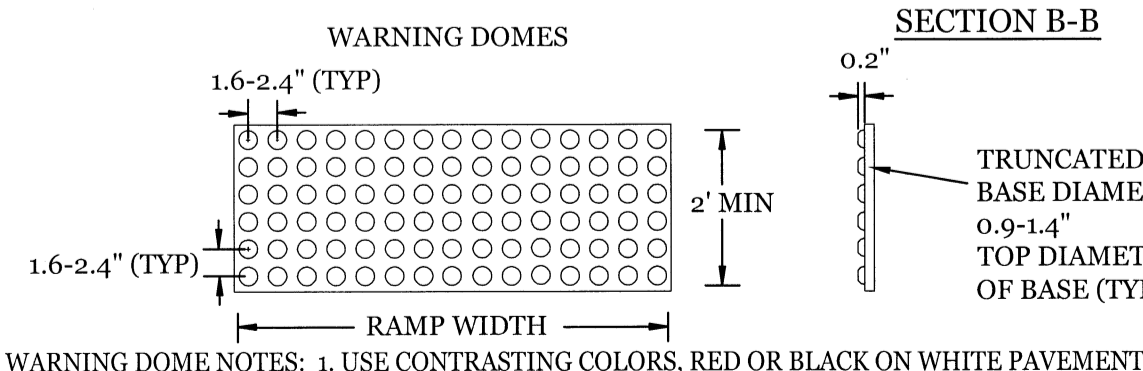
24" CURB SECTION
NTS



PAVEMENT SECTION
NTS



SECTION A-A



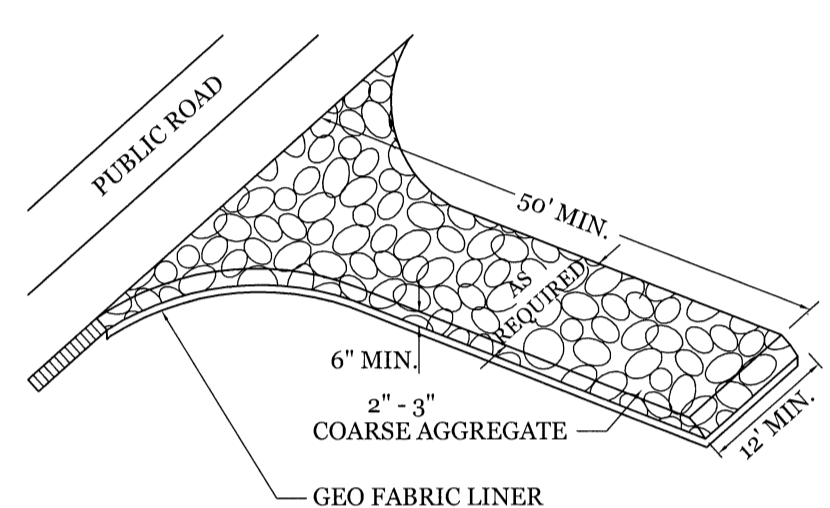
SECTION B-B

- WARNING DOME NOTES:
- USE CONTRASTING COLORS, RED OR BLACK ON WHITE PAVEMENT.
 - USE CAST IN PLACE PAVERS FOR NEW CONSTRUCTION.
 - RUBBER MATS ARE PERMITTED FOR RETROFITS.
 - LANDING AND RAMP WIDTH MAY BE REDUCED TO 3' WHERE SPACE IS LIMITED AND DESIGN IS APPROVED BY THE CITY ENGINEER.

WHEEL CHAIR RAMP DETAIL
NTS

- CONSTRUCTION SPECIFICATIONS:
- UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
 - DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
 - SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
 - PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
 - ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
 - COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUND COVER.

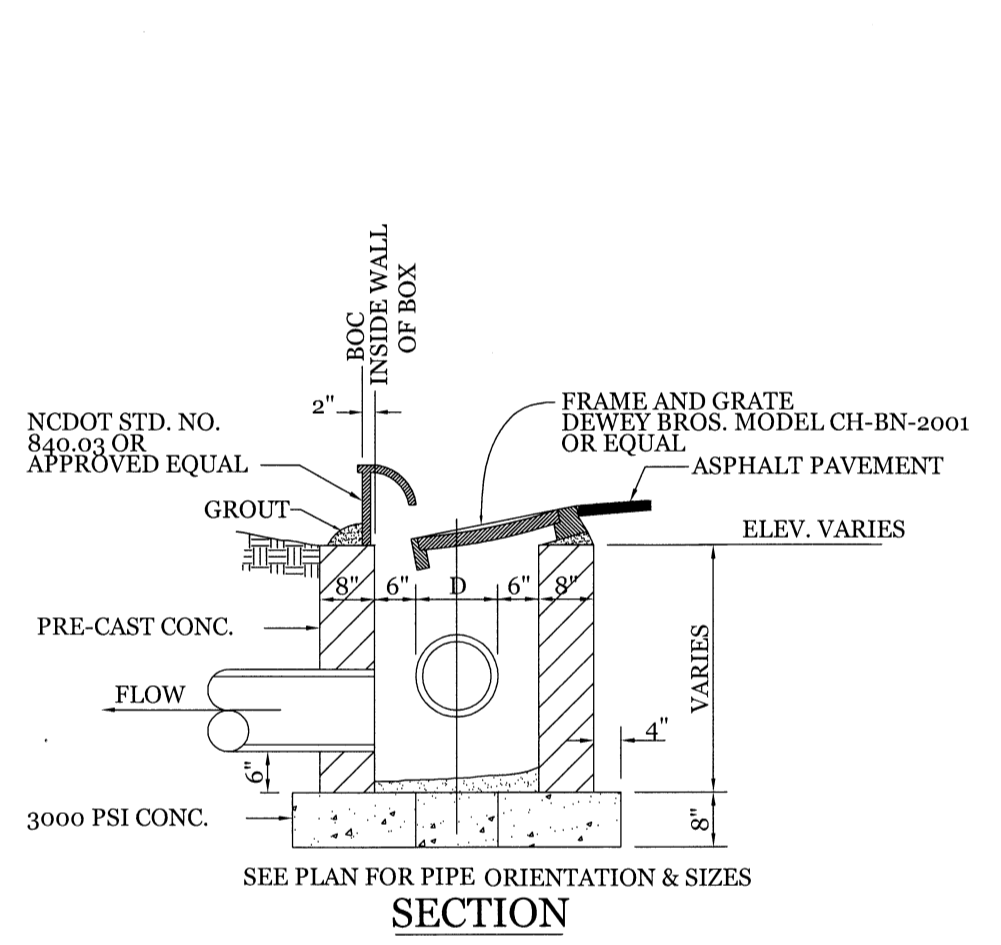
HARDWARE CLOTH AND GRAVEL INLET PROTECTION
NTS



NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE, WHICHEVER IS GREATER.

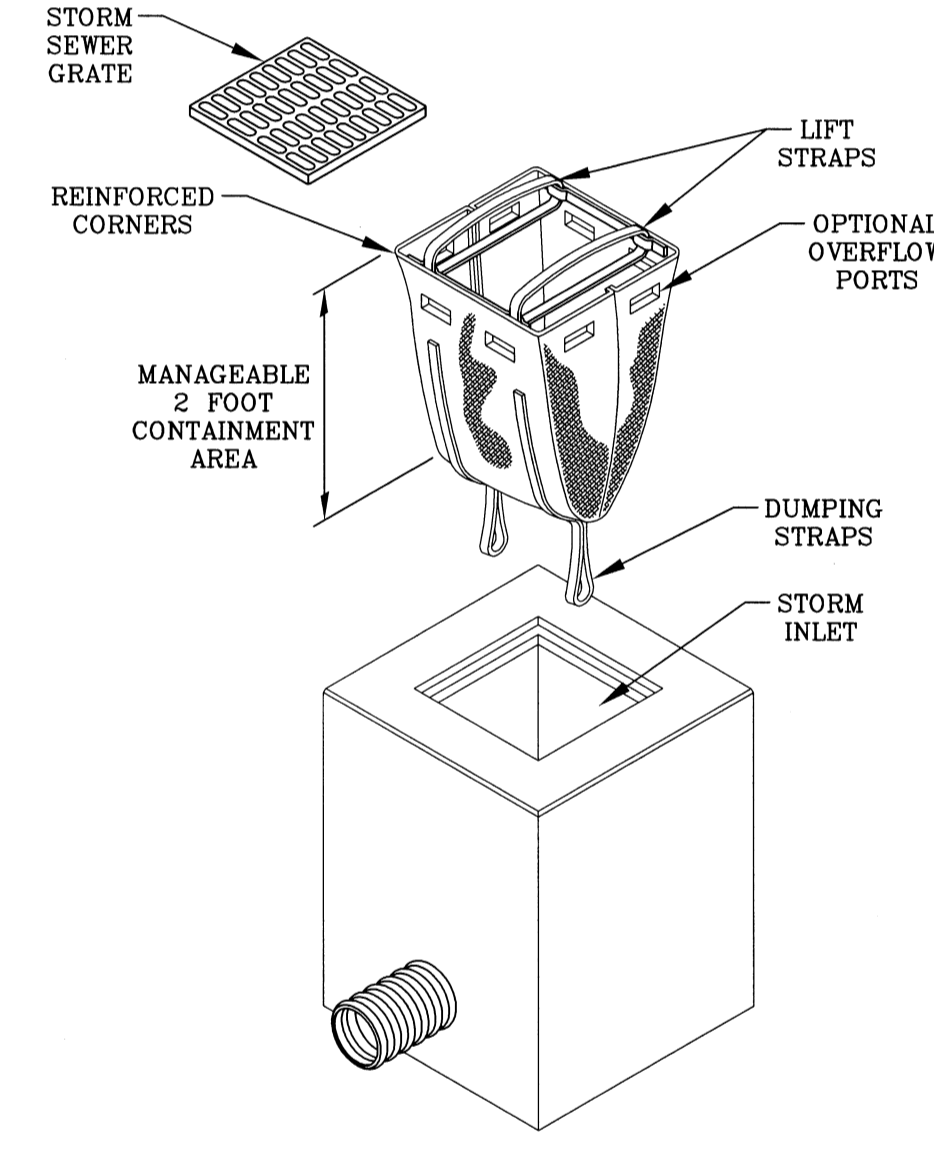
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
NTS

- MAINTENANCE:
- INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (4 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

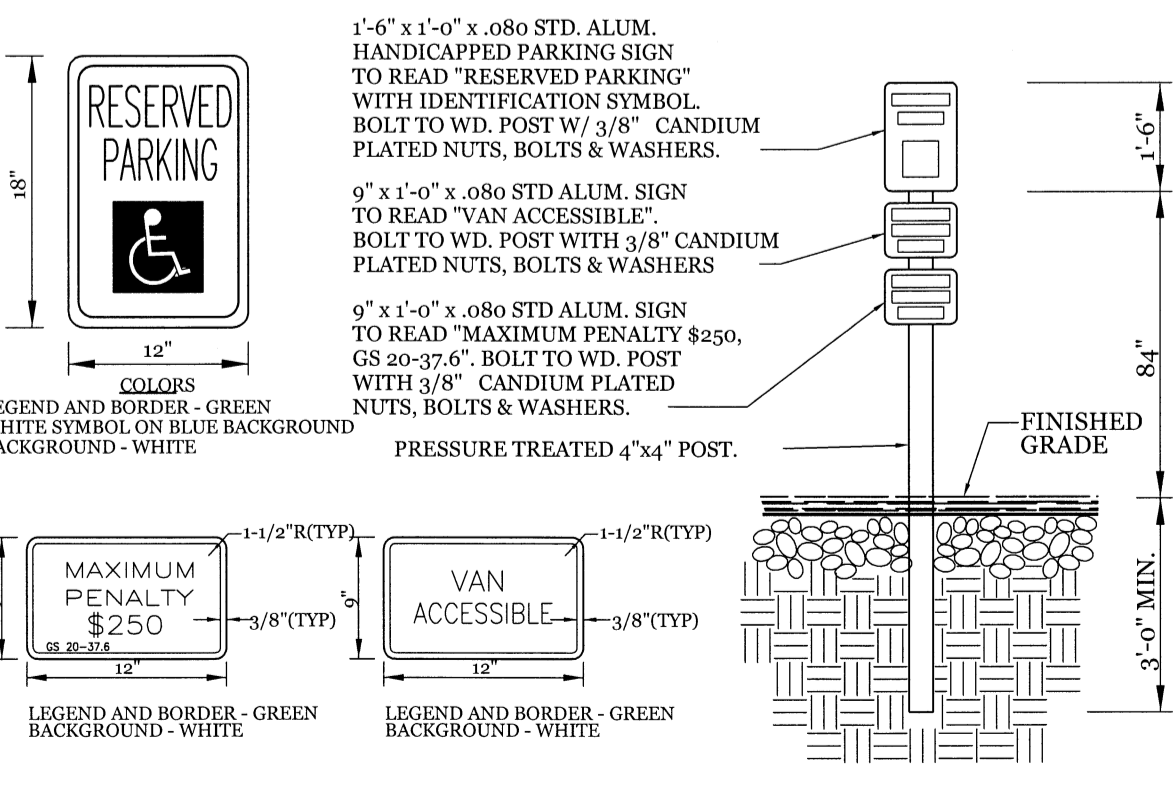


SECTION

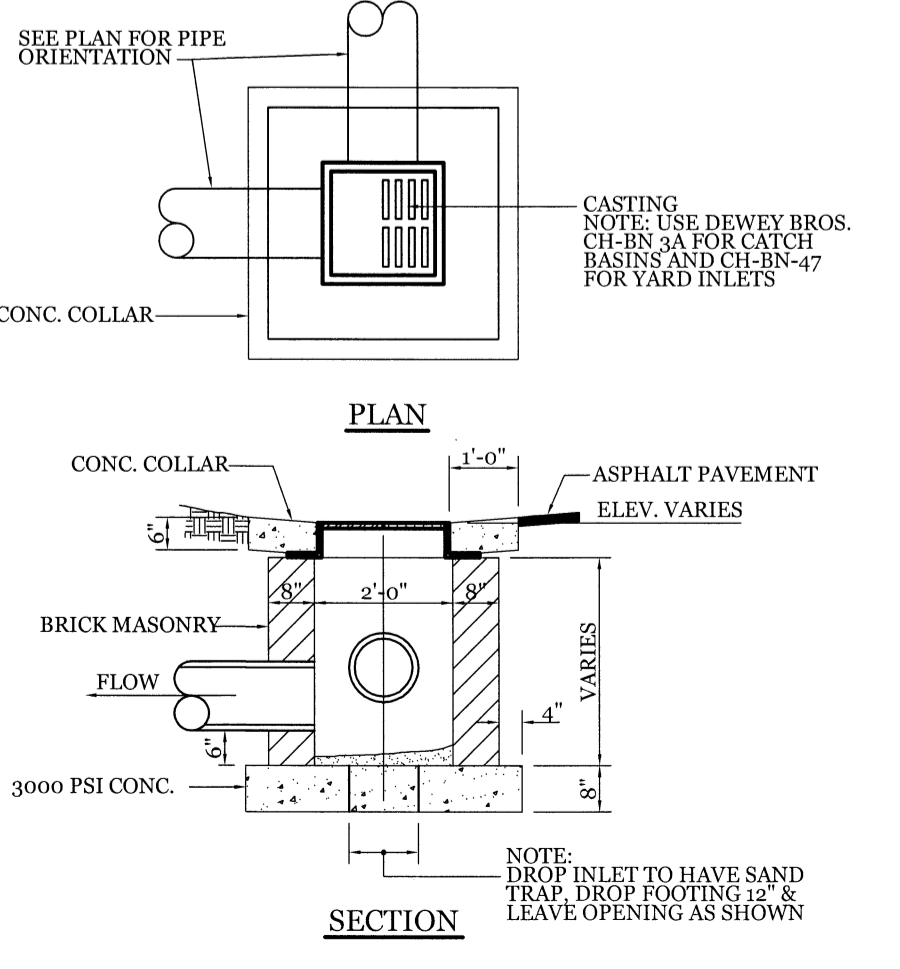
CURB INLET DETAIL
NTS



DANDY SACK™ DETAIL



TYPICAL HANDICAPPED SIGN DETAIL
NTS

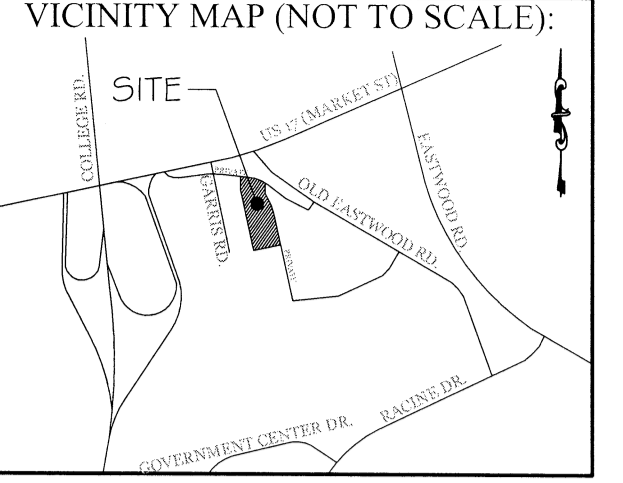


SECTION

DROP INLET DETAIL
NTS

SITE WORK NOTES:

- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.
- CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
- GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
- MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
- DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
- FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.
- THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
- THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NO ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
- CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- EXISTING SURVEYING PERFORMED BY MICHAEL UNDERWOOD AND ASSOCIATES, PA
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
- ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CPWA CODES, METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
- ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTORS COST AS NECESSARY.
- ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
- CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
- FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
- ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.



REVISIONS

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DETAILS FOR
LAND ROVER -JAGUAR
20 OLD EASTWOOD RD.
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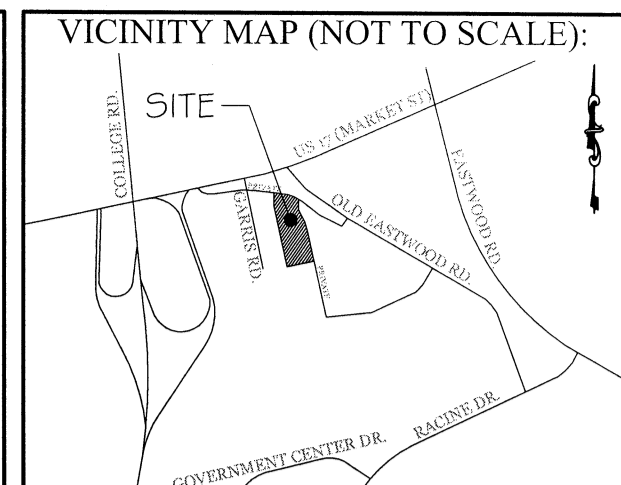
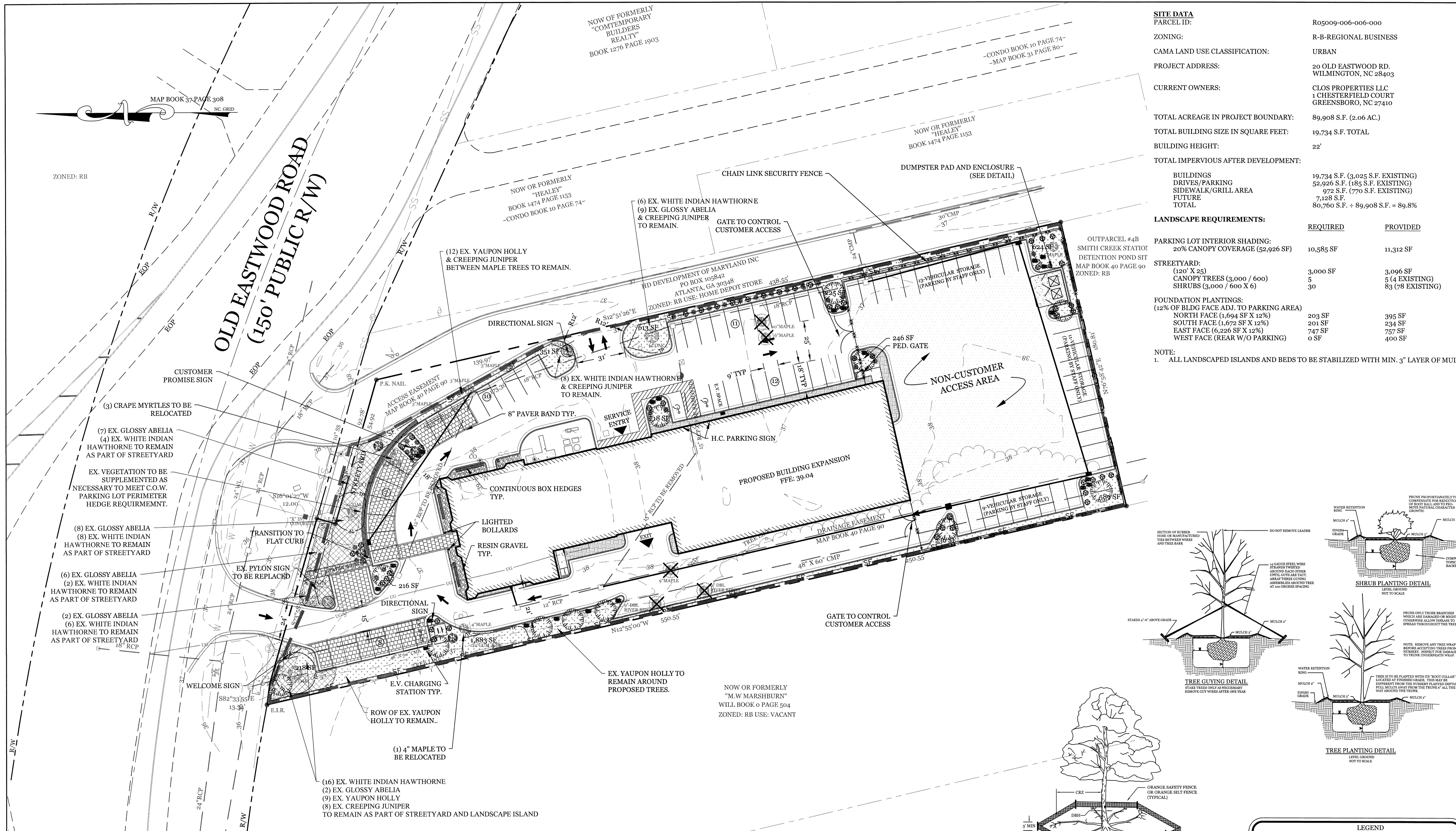
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NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

Approved Construction Plan

Name	Date
Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____

DRAWN: JAE	SHEET SIZE: 24 X 36
CHECKED: CDC	DATE: 3/21/2017
APPROVED: CDC	SCALE: NTS
PROJECT NUMBER: 2015-016	

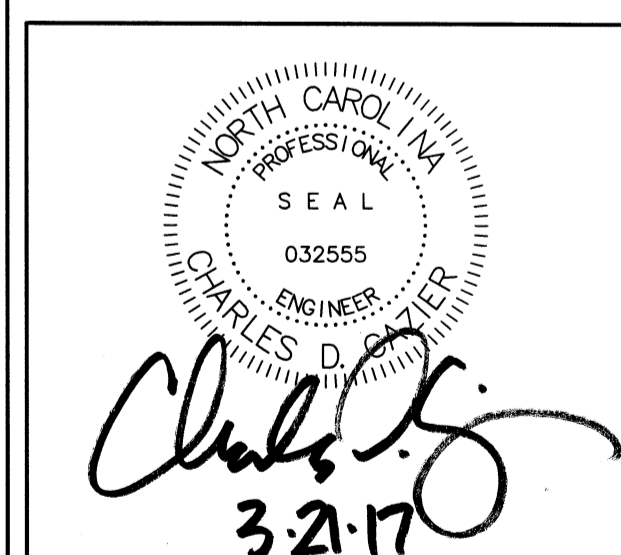


REVISIONS

REV.	DATE	DESCRIPTION
REV: 5-5-17	PER COW ZONING COMMENTS	

INTRACOASTAL ENGINEERING, PLLC
 5725 Oleander Dr. Unit E-7
 Wilmington, North Carolina 28403
 Phone: 910.859.8983
 Email: Charles@intracoastalengineering.com
 License Number P-0662

LANDSCAPE PLAN
 FOR
LAND ROVER -JAGUAR
 20 OLD EASTWOOD RD.
 WILMINGTON, NORTH CAROLINA



CLIENT INFORMATION:
 CLOS PROPERTIES, LLC
 A.J. ALIAH
 20 EASTWOOD ROAD
 WILMINGTON, NC 28403
 (910) 332-3500

DRAWN: JAE	SHEET SIZE: 24 X 36
CHECKED: CDC	DATE: 3/21/2017
APPROVED: CDC	SCALE: 1" = 30'
PROJECT NUMBER: 2015-016	

DRAWING NUMBER: **L-1** 5 OF 5

PROPOSED LANDSCAPE PLANT LIST

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	TYPE	SIZE
	12	LAGERSTROEMIA	CRAPE MYRTLE	LARGE SHADE TREE	2.5" CAL.
	49	RAPHIOLEPIS INDICA	WHITE INDIAN HAWTHORNE	SMALL SHRUB	1 GAL.
	25	ABELIA X GRANDIFLORA	GLOSSY ABELIA	SMALL SHRUB	1 GAL.
	21	JUNIPERUS HORIZONTALIS	CREeping JUNIPER	GROUND COVER	1 GAL.
	CONTINUOUS	BUXUS SEMPERVIRENS	BOXWOOD	SMALL SHRUB	1 GAL.

Approved Construction Plan

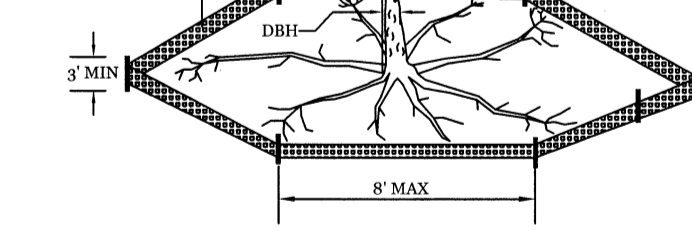
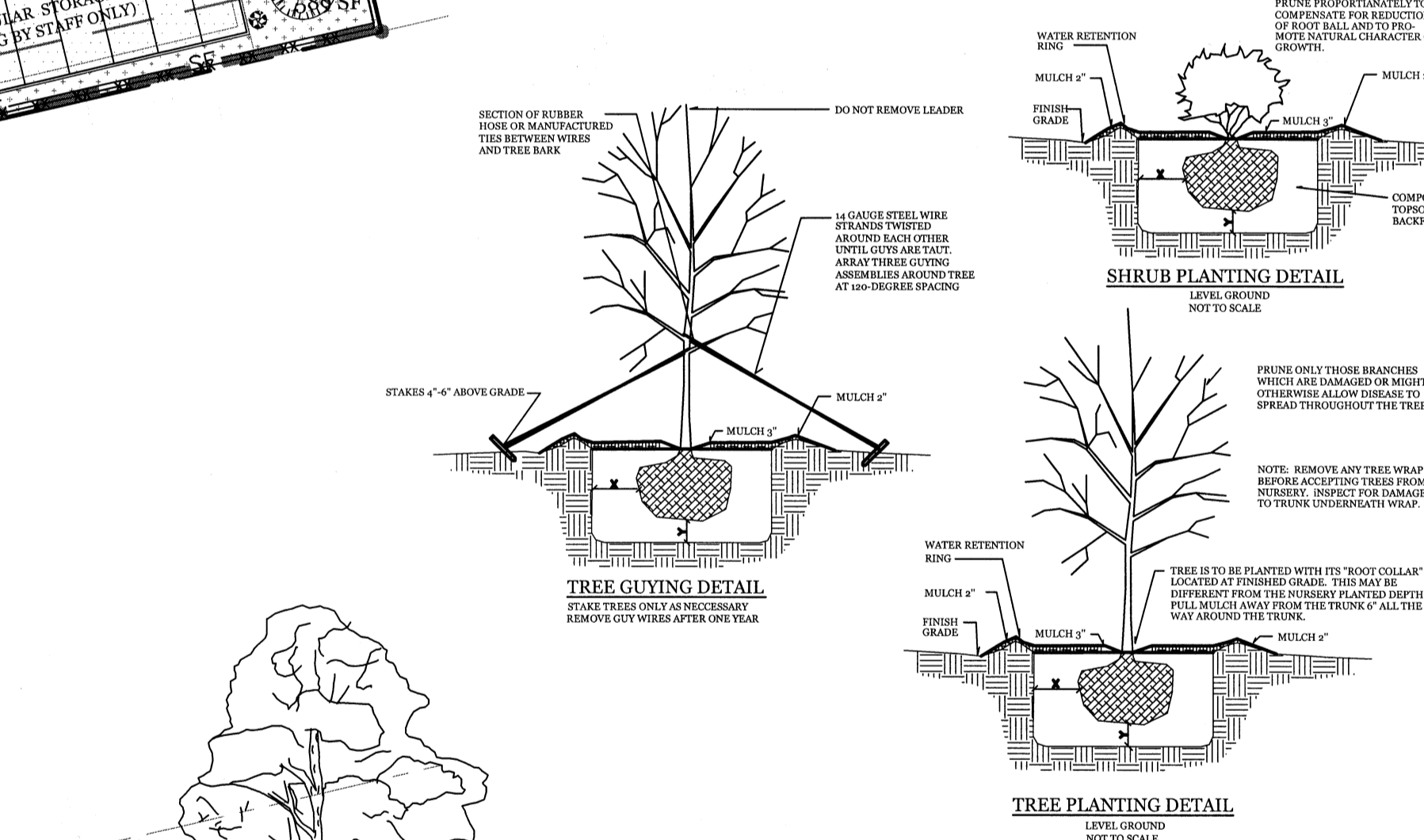
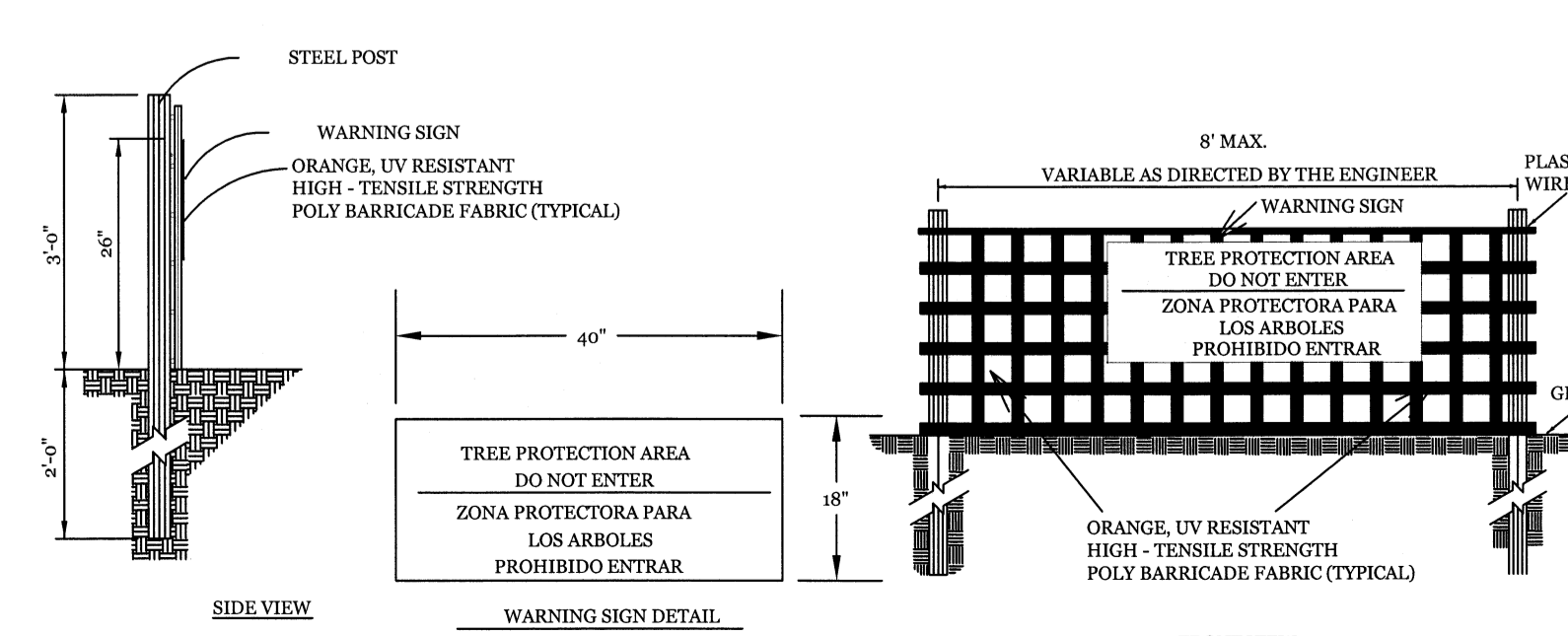
Name _____ Date _____

Planning _____

Public Utilities _____

Traffic _____

Fire _____



- LEGEND**
- PROPERTY LINE
 - EASEMENT
 - SILT FENCE
 - TREE PROTECTION FENCE
 - EXISTING WATERLINE
 - EXISTING SANITARY SEWER LINE
 - LIMITS OF DISTURBANCE
 - PARKING LOT LANDSCAPING
 - FOUNDATION PLANTINGS
 - BIKE RACK (4 SPACE EACH)
 - DUMPSTER & ENCLOSURE
 - NON-CUSTOMER ACCESS AREA
 - EX. TREES TO BE REMOVED
 - EX. TREE RELOCATION

