

SITE DATA TABLE	
USE:	OFFICE
SITE AREA:	3.15 ACRES (137,428 SF)
ACCESS EASEMENT WITHIN SITE:	.80 ACRES (34,718 SF)
PARCEL ID#:	R09100-003-065-000
MAP ID#:	315706.49.8929.000
DISTURBED AREA:	0 & 1-1
ZONING:	RESOURCE PROTECTION
CAMA LAND USE:	FRONT SETBACK: 20'
BUILDING SETBACKS (REQUIRED):	INTERIOR SIDE SETBACK: 10'
	CORNER SIDE SETBACK: 20'
	REAR SETBACKS: 20'
BUILDING SETBACKS (PROPOSED):	FRONT SETBACK: 20'
	INTERIOR SIDE SETBACK: 187±
	CORNER SIDE SETBACK: 110±
	REAR SETBACKS: 130±
MAX. BUILDING LOT COVERAGE:	40%
PROPOSED BUILDING LOT COVERAGE:	11%
MAX. BUILDING HEIGHT:	45'
BUILDING CONSTRUCTION TYPE:	IB
BUILDING HEIGHT:	43' (2 STORY)
BUILDING SQUARE FOOTAGE:	30,740 SF TOTAL (15,370 SF FLOOR)
PARKING REQ'D: OFFICE:	200/SF MAX, 300/SF MIN.
TOTAL PARKING REQ'D:	154 MAX/102 MIN. REQUIRED
PROPOSED PARKING PROV'D:	146 (INCLUDES 5 HC)
PROPOSED IMPERVIOUS AREA:	
BUILDING:	15,825 SF (ROOF AREA)
ASPHALT, CURB & GUTTER:	51,678 SF
SIDEWALK:	4,150 SF
TOTAL:	71,653 SF
EXISTING IMPERVIOUS AREA WITHIN ACCESS EASEMENT:	25,000 SF
TOTAL IMPERVIOUS AREA:	96,653 SF
% SITE IMPERVIOUS AREA:	70%
AREA WITHIN NEW R/W:	46,000 SF
IMPERVIOUS AREA WITHIN NEW R/W:	38,635 SF
LANDSCAPING:	
FOUNDATION PLANTINGS (12X):	
FRONT: 45' X 156' X .12 = 842 SF REQ'D.	876 SF PROVIDED
SIDE (2): 45' X 104' X .12 = 562 SF REQ'D.	570 SF PROVIDED
REAR: 45' X 156' X .12 = 842 SF REQ'D.	946 SF PROVIDED
TOTAL REQUIRED=2,808 SF TOTAL PROVIDED=2,962 SF	
LANDSCAPING REQ'D INTERIOR:	
ASPHALT, CONCRETE CURB & GUTTER:	51,678 SF
14% REQUIRED:	7,335 SF
STREETLANDSCAPING:	
PRIMARY: PROPOSED PUBLIC R/W FRESCO DR.	3,918 SF PROVIDED
18' MULTIPLIER (241'-24) X 18' = 3,906 SF	
SECONDARY: ASHES DR.	3,763 SF PROVIDED
9' MULTIPLIER (451'-48) X 9' = 3,627 SF	

SITE DATA TABLE - EXISTING RENAISSANCE I, PHASE I	
USE:	OFFICE
SITE AREA:	2.16 ACRES
DISTURBED AREA:	0 & 1-1 AND CB
ZONING:	RESOURCE PROTECTION
CAMA LAND USE:	FRONT: 30'
BUILDING SETBACKS (EXISTING):	SIDE: 3' NORTH, 11' SOUTH
	REAR: 45'
BUILDING HEIGHT:	32' (2 STORY)
BUILDING SQUARE FOOTAGE:	31,650 SF (15,825 SF EACH FLOOR)
PARKING REQ'D:	0 & 1 ZONE
PARKING GROUP (OFFICE):	200/SF MAX, 300/SF MIN.
	158 MAX/105 MIN. REQUIRED
PROPOSED PARKING PROV'D:	137 REGULAR (6 ARE HC)
IMPERVIOUS AREA-PHASE I DRAINAGE AREA:	
EXISTING BUILDING:	15,825 SF (ROOF AREA)
EXISTING ASPHALT/CURB & GUTTER:	68,950 SF
EXISTING SIDEWALKS/CONCRETE PAVES:	6,878 SF
TOTAL EXISTING IMPERVIOUS AREA:	91,653 SF TOTAL
STREETLANDSCAPING:	
(331'-24) X 18 = 5,526 SF REQUIRED	5,526 SF PROVIDED
INTERIOR LANDSCAPE PROVIDED:	1,976 SF PROVIDED

SITE INVENTORY MAP DATA	
PREPARER:	NORRIS, KUSKE & TUNSTALL ENGINEERS
SOIL TYPE:	Re, Ls, To
MILITARY CUT-OFF RD:	SHOD
100 YEAR FLOOD BOUNDARY:	OUTSIDE 100 YEAR FLOOD BOUNDARY
FLOOD ZONE:	THIS SITE IS LOCATED IN ZONE "C" ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP, COMMUNITY-PANEL NUMBER 370168 0085 E, DATED: 3 SEPT. 1992.
CONSERVATION OVERLAY DISTRICT:	NONE WITHIN SITE
HISTORICAL SITE:	NONE
CENETARY:	NONE
FORESTED AREA:	VARIOUS (OAK, GUM, TULIP) SEE PLAN
WETLANDS:	NONE WITHIN SITE
ENDANGERED SPECIES/HABITAT:	NONE REPORTED

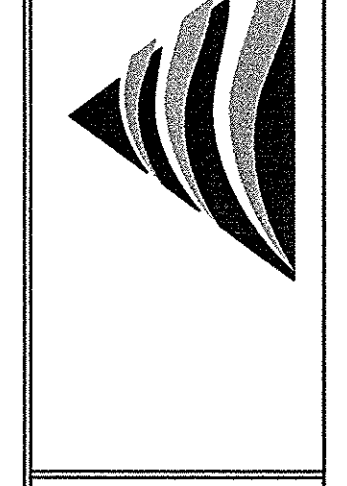
SCALE: 1" = 60'

SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

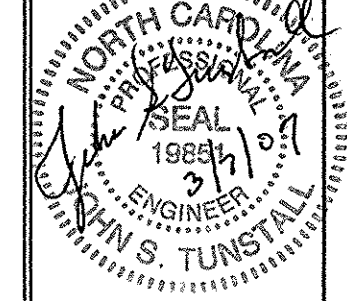
INVENTORY PLAN
RENAISSANCE PARK-RENAISSANCE II BUILDING
6925 FRESCO DRIVE
WILMINGTON, NORTH CAROLINA

OWNER:
 TCT OF WILMINGTON, LLC
 100 W. MILITARY CUTOFF RD.
 WILMINGTON, N.C. 28408
 (910) 256-7704

NORRIS, KUSKE & TUNSTALL
CONSULTING ENGINEERS, INC.
 902 MARKET STREET
 WILMINGTON, NC, 28401
 PHONE (910) 443-9853
 FAX (910) 443-9804
 office@nkting.com

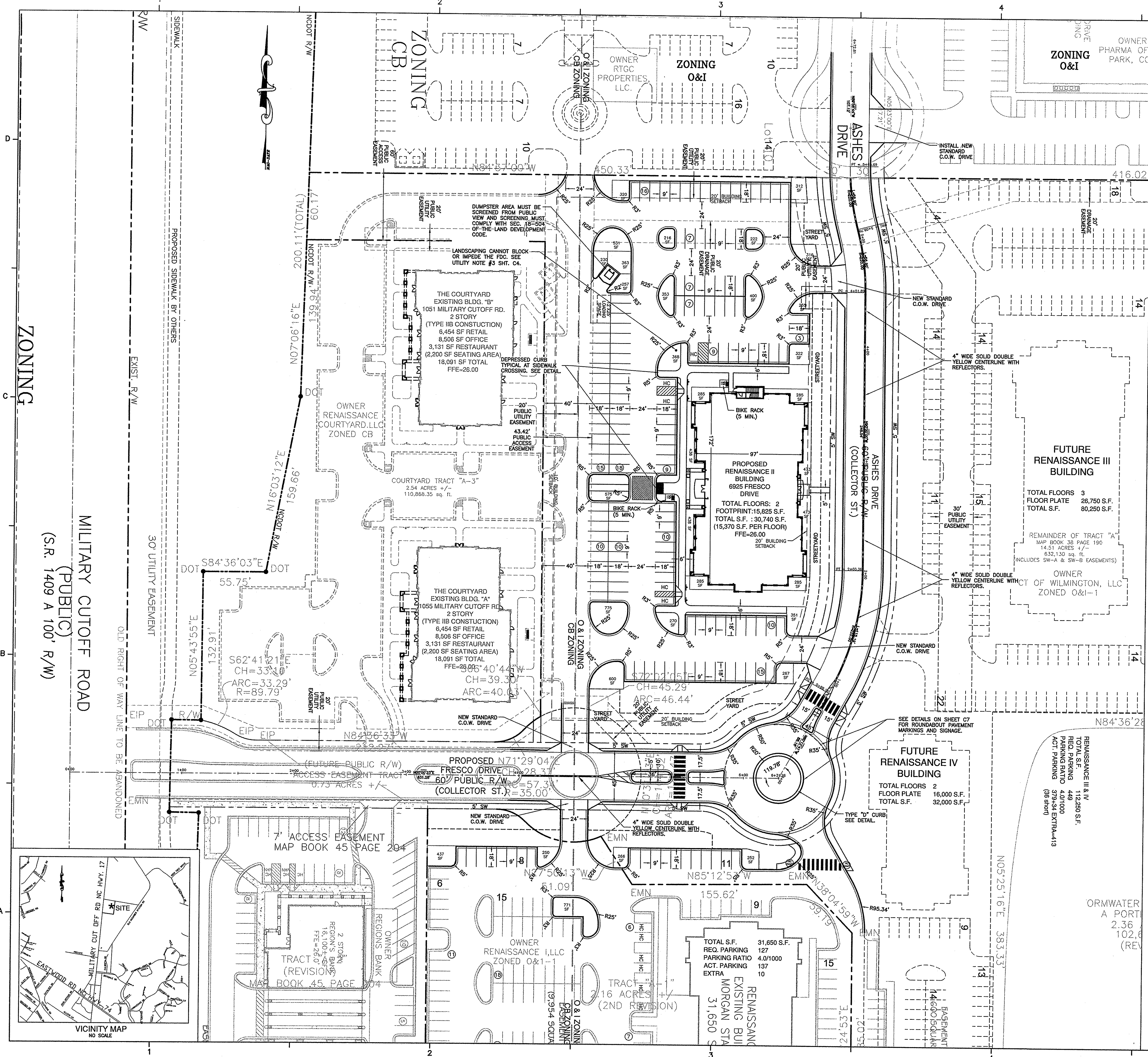


07024
 DES: JST
 CAD: JPN
 DRAW: NKS
 DATE: 3/7/07



CO

LANDFALL ASSOCIATES
 DEED BOOK 1514 PAGE 1564
ZONING
R-15



SITE DATA TABLE	
USE:	PROFESSIONAL OFFICE
SITE AREA:	3.16 ACRES (137,425 SF)
ACCESS EASEMENT WITHIN SITE:	.80 ACRES (34,718 SF)
PARCEL ID#:	R05100-003-065-000
MAP ID#:	315708.49.8925.000
DISTURBED AREA:	4.48 ACRES
ZONING:	O & I-1
CAMA LAND USE:	RESOURCE PROTECTION
BUILDING SETBACKS (REQUIRED):	FRONT SETBACK: 20'
	INTERIOR SIDE SETBACK: 130'
	CORNER SIDE SETBACK: 20'
	REAR SETBACKS: 20'
BUILDING SETBACKS (PROPOSED):	FRONT SETBACK: 136'
	INTERIOR SIDE SETBACK: 187'±
	CORNER SIDE SETBACK: 110'±
	REAR SETBACKS: 187'±
MAX. BUILDING LOT COVERAGE:	40%
PROPOSED BUILDING LOT COVERAGE:	11%
MAX. BUILDING HEIGHT:	45'
BUILDING CONSTRUCTION TYPE:	IB
BUILDING MATERIAL:	BRICK, CALCIUM SILICATE MASONRY UNITS, HARD COAT STUCCO AT PARAPET
BUILDING HEIGHT:	43' (2 STORY)
BUILDING SQUARE FOOTAGE:	30,740 SF TOTAL (15,370 PER FLOOR)
PARKING REQ'D: OFFICE:	200/SF MAX, 300/SF MIN.
TOTAL PARKING REQ'D:	154 MAX/102 MIN. REQUIRED
PROPOSED PARKING PROVID'D:	146 (INCLUDES 5 HC)
PROPOSED IMPERVIOUS AREA:	
BUILDING:	15,825 SF (ROOF AREA)
ASPHALT CURB & GUTTER:	51,678 SF
SIDEWALK:	4,150 SF
TOTAL:	71,653 SF
EXISTING IMPERVIOUS AREA WITHIN ACCESS EASEMENT:	25,000 SF
TOTAL IMPERVIOUS AREA:	96,653 SF
% SITE IMPERVIOUS AREA:	70%
AREA WITHIN NEW R/W:	46,000 SF
IMPERVIOUS AREA WITHIN NEW R/W:	36,635 SF
LANDSCAPING:	
FOUNDATION PLANTINGS (12x):	
FRONT: 45' X 150' X .12 = 842 SF REQD.	876 SF PROVIDED
SIDE (2): 45' X 104' X .12 = 562 SF REQD.	570 (2) SF PROVIDED
REAR: 45' X 150' X .12 = 842 SF REQD.	846 SF PROVIDED
TOTAL REQUIRED=2,800 SF TOTAL PROVIDED=2,962 SF	
LANDSCAPING REQ'D INTERIOR:	
ASPHALT, CONCRETE CURB & GUTTER:	51,678 SF
14% REQUIRED:	
(14%) X (51,678) = 7,235 SF	7,300 SF PROVIDED
STREET YARD LANDSCAPING:	
PRIMARY: PROPOSED PUBLIC R/W FRESCO DR.	3,918 SF PROVIDED
(241'-24) X 19' = 3,906 SF	
SECONDARY: ASHES DR.	3,763 SF PROVIDED
(451'-48) X 9' = 3,627 SF	

SITE DATA TABLE - EXISTING RENAISSANCE I, PHASE I	
USE:	OFFICE
SITE AREA:	2.16 ACRES
DISTURBED AREA:	0 & I-1 AND CB
ZONING:	RESOURCE PROTECTION
CAMA LAND USE:	TRACT 230'
BUILDING SETBACKS (EXISTING):	FRONT: 33' NORTH, 11' SOUTH
	REAR: 45'
BUILDING HEIGHT:	32' (2 STORY)
BUILDING SQUARE FOOTAGE:	31,650 SF (15,825 SF EACH FLOOR)
PARKING REQ'D:	0 & I ZONE
PARKING GROUP (OFFICE):	200/SF MAX, 300/SF MIN.
	158 MAX/105 MIN. REQUIRED
PROPOSED PARKING PROVID'D:	137 REGULAR (6 ARE HC)
IMPERVIOUS AREA-PHI DRAINAGE AREA:	
EXISTING BUILDING:	15,825 SF (ROOF AREA)
EXISTING CURB & GUTTER:	68,950 SF
EXISTING SIDEWALKS/CONCRETE PADS:	6,850 SF
TOTAL EXISTING IMPERVIOUS AREA:	91,625 SF TOTAL
STREET YARD LANDSCAPING:	
(351'-24) X 18' = 5,526 SF REQUIRED	5,526 SF PROVIDED
INTERIOR LANDSCAPE PROVIDED:	1,976 SF PROVIDED

- CITY OF WILMINGTON STANDARD NOTES:**
- CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING AT 1-800-632-4949.
 - TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND THE TREE PROTECTION FENCING.
 - ALL PAVED MARKINGS IN PUBLIC RIGHT-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - ONCE STREET LIGHTS TO TRAFFIC, THE DEVELOPER SHALL CONTACT TRAFFIC ENGINEERING (RICHE BROWN) TO REQUEST INSTALLATION OF TRAFFIC AND STREET NAMES SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAMES SIGNS.
 - TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 - CONTACT DON BENNETT WITH TRAFFIC ENGINEERING AT 341-4696 TO ENSURE THAT ALL TRAFFIC SIGNING, FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. CALL TRAFFIC ENGINEERING AT 341-4696 FOURTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 - ANY BROKEN OR MISSING SIDEWALK PANELS AND CURBING WILL BE REPLACED.
 - CONTACT KAREN DIXON AT 341-7883 TO DISCUSS STREET LIGHTING OPTIONS.
 - THE NUMBER AND SPACING OF DRIVEWAYS FOR ALL INTERCONNECTED SITES WILL BE DETERMINED BY THE COMBINED FRONTAGE OF THE INTERCONNECTED PROPERTIES.
 - ALL SITE LIGHTING SHALL BE LOCATED AND INSTALLED SO AS NOT TO SHINE DIRECTLY ONTO ADJACENT PROPERTIES. RESTRICTED LIGHTING IS LIMITED TO A HEIGHT OF TEN (10) FEET AND 90 DEGREE CUTOFF LIGHTING IS LIMITED TO FIFTEEN (15) FEET.
 - MECHANICAL EQUIPMENT AND TRASH RECEPTACLES WILL BE SCREENED BY AN EIGHT (8) FEET HIGH OPAQUE FENCE.
 - PROJECT SHALL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REGULATIONS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
 - IF THE CONTRACTOR DESIRES CITY 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.
 - ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
 - ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
 - WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO EXPOSE WIRE AND SECURED TO ALL VALVES AND FITTINGS. THIS WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
 - WATER AND SEWER SERVICE 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.
 - A LANDSCAPE PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE C.O.W. TRAFFIC ENGINEERING AND PARKS AND RECREATION DEPT. FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN. PLAN SHALL BE PER SD 15-17.

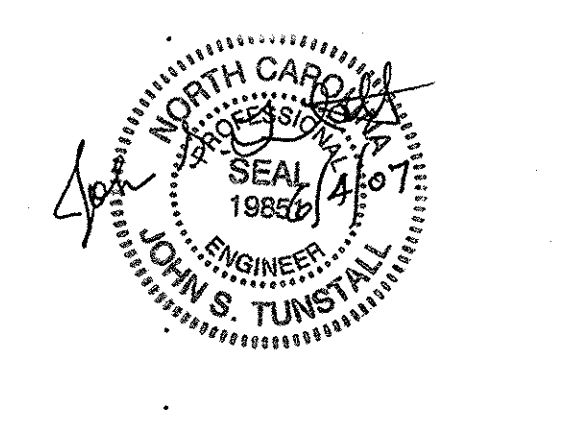
SCALE: 1" = 40'

RENAISSANCE II OFFICE BUILDING
 6925 FRESCO DRIVE
 WILMINGTON, N.C.

NORRIS, KUSKE & TUNSTALL CONSULTING ENGINEERS, INC.
 902 MARKET STREET
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 PHONE: (910) 343-9653
 FAX: (910) 343-9604
 office@nkteng.com
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LS3P BONEY

LS3P ASSOCIATES LTD.
 2528 INDEPENDENCE BLVD., SUITE 200
 WILMINGTON, NORTH CAROLINA 28412
 TEL. 910.790.9901 FAX 910.790.3111
 WWW.LS3P.COM



OWNER:
 TCT OF WILMINGTON, LLC
 1123 MILITARY CUTOFF RD.
 WILMINGTON, N.C. 28405
 (910) 256-7704

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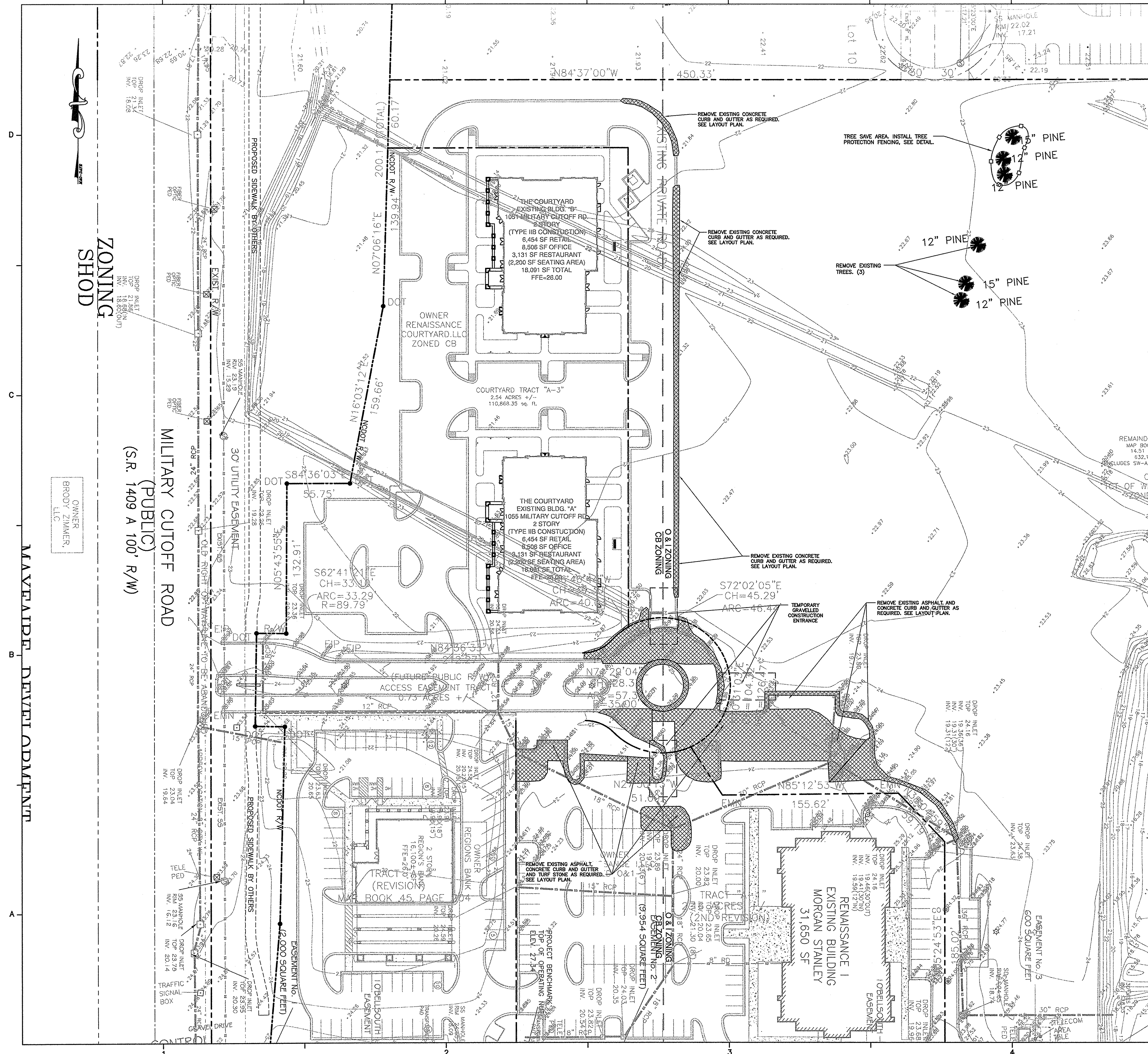
REVISIONS:
 03/27/07 ISSUED FOR BUILDING PERMIT
 Δ REVISION 1 ISSUED FOR CONSTRUCTION

PROJECT: 7102-061840
 DATE: 05/14/07
 DRAWN BY: NKS
 CHECKED BY: JST

LAYOUT PLAN

C1
 NKT.#07024

**SOLUTIONS THROUGH LISTENING
 SERVICE BY DESIGN**

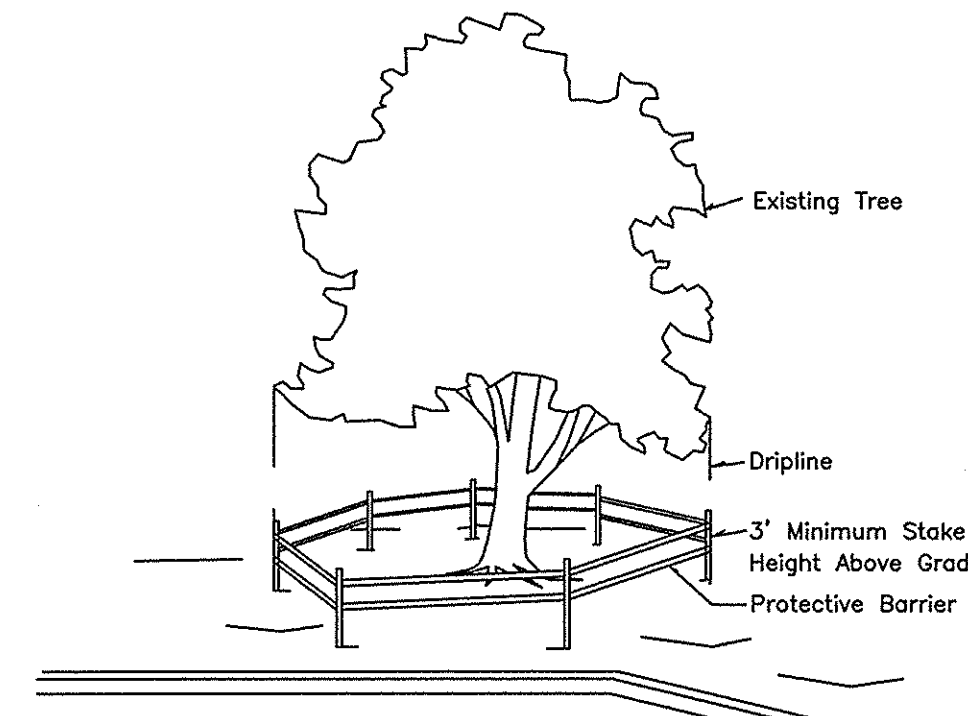


DEMOLITION NOTES

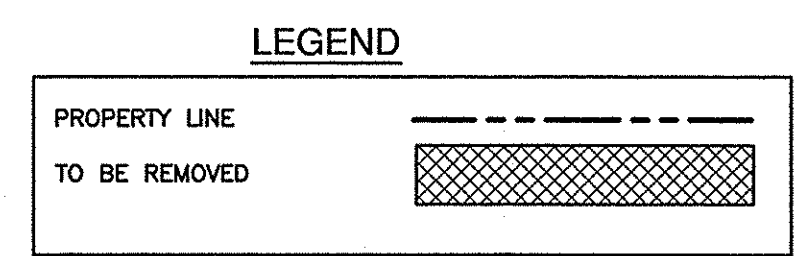
1. THE DEMOLITION WORK LIMITS SHOWN ARE APPROXIMATE. THE SITE WORK CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND FIELD DETERMINING THE EXACT DEMOLITION LIMITS. QUESTIONS DURING BIDDING SHALL BE DIRECTED TO THE OWNER'S / DEVELOPER'S GENERAL CONTRACTOR. REMOVE THE EXISTING SITE FEATURES WITHIN THE DEMOLITION WORK LIMITS. SAWCUT, REMOVE, REPAIR, PATCH, REPLACE AND ABANDON AS REQUIRED THE EXISTING CONCRETE CURB AND GUTTER, EXISTING CONCRETE, EXISTING ASPHALT PAVEMENT, EXISTING SITE FEATURES AND EXISTING UTILITIES AS REQUIRED WITHIN THE DEMOLITION LIMITS. REPAIR AND PATCH THE AREA WITH NEW ASPHALT PAVEMENT UP TO THE EXISTING ADJACENT ASPHALT PAVEMENT GRADE. INSTALL THE NEW ASPHALT PAVEMENT AND NEW 24" CONCRETE CURB AND GUTTER FOR POSITIVE DRAINAGE. THE GENERAL CONTRACTOR, SITE WORK CONTRACTOR AND LANDSCAPE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK, REPAIR WORK AND REMOVAL, STORAGE AND REPLACEMENT OF THE EXISTING LANDSCAPING PRIOR TO BEGINNING ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIARIZED WITH FIELD DEMOLITION CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE SITE GRADES PRIOR TO BEGINNING CONSTRUCTION. CONTACT THE ENGINEER FOR DIRECTION AS REQUIRED DURING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOLISHED DEBRIS ASSOCIATED WITH THE PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST GENERATED BY THE WORK, INCLUDING BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION ACTIVITIES, SITE VEHICULAR TRAFFIC AND RELATED OPERATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING ALL EXISTING UTILITIES. ANY UTILITIES ENCOUNTERED THAT HAVE NOT BEEN IDENTIFIED NEED TO BE BROUGHT TO THE ATTENTION OF THE OWNER.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF DISCONNECTING AND ABANDONING ALL EXISTING UTILITIES WITH APPLICABLE AGENCIES AND AUTHORITIES UNLESS OTHERWISE NOTED. ALL EXISTING UTILITIES AND ASSOCIATED PIPING, ETC. NOT IN USE ON THE SITE SHALL BE PROPERLY ABANDONED AND REMOVED AS REQUIRED. COORDINATE WITH THE OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING UTILITIES THAT REMAIN IN SERVICE OR ARE WITHIN THE PUBLIC RIGHT OF WAY DURING DEMOLITION.
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REMOVAL OR RELOCATION OF ANY EXISTING UTILITY POLES / GUY LINES AND LIGHT POLES WITH THE OWNER AND THE APPLICABLE UTILITY COMPANY AS REQUIRED.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN AND DEVICES DURING CONSTRUCTION WORK IN ACCORDANCE WITH THE MUTCD, NCDOT AND CITY OF WILMINGTON STANDARDS.
11. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS AND SLOPES ON AND OFF SITE IN ACCORDANCE WITH THE EROSION CONTROL MEASURES SPECIFIED ON THE PLANS AND IN THE SPECIFICATIONS. IN ADDITION TO THE EROSION CONTROL MEASURES SPECIFIED, THE CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKETS / TURF REINFORCEMENT MATS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AS REQUIRED WHERE NORMAL SEED / SOD STABILIZATION IS UNSUCCESSFUL. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE WHO IS RESPONSIBLE FOR PROVIDING THE PERMANENT STABILIZATION MEASURES AND THE TYPE OF PERMANENT MEASURES PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION. THE PERMANENT STABILIZATION MEASURES SHALL BE IN PLACE AND ACCEPTABLE TO THE OWNER'S REPRESENTATIVE AND ENGINEER PRIOR TO PROJECT CLOSEOUT. COORDINATE INSPECTION WITH THE OWNER AND ENGINEER PRIOR TO PROJECT CLOSEOUT.

CITY OF WILMINGTON TREE PROTECTION NOTES:

1. REGULATED AND SIGNIFICANT TREES IN THE STREET YARD [18-456(c)] AND ANY TREES IN ANY REQUIRED BUFFERS [18-456(d)] ARE REQUIRED TO BE RETAINED.
2. NO LAND DISTURBANCE INCLUDING TREE REMOVAL IS TO OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS. [18-457(b)]
3. LAND CLEARING AND CONSTRUCTION CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION REQUIREMENTS AND METHODS. [18-457(c)]
4. PROTECTIVE FENCING IS TO BE PROPERLY MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. [18-458]
5. ANY TREES AND / OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING AND GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS. [18-458]
6. NO EQUIPMENT IS ALLOWED ON THE SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED AND APPROVED. [18-458]



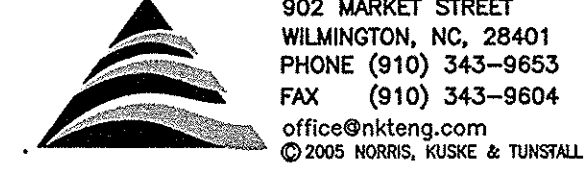
CLEARLY mark the trees to be saved prior to construction and erect a protective barrier at the dripline.
 Dripline-The area of soil directly beneath the tree extending out to the tips of the outermost branches.



SCALE: 1" = 40'
 0 40 80 120

RENAISSANCE II OFFICE BUILDING
 6925 FRESCO DRIVE
 WILMINGTON, N.C.

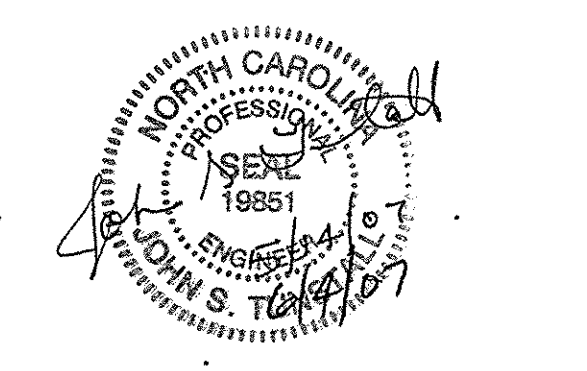
NORRIS, KUSKE & TUNSTALL CONSULTING ENGINEERS, INC.



902 MARKET STREET
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 2528 INDEPENDENCE BLVD., SUITE 200
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OWNER:
 TCT OF WILMINGTON, LLC
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 WILMINGTON, N.C. 28405
 (910) 256-7704

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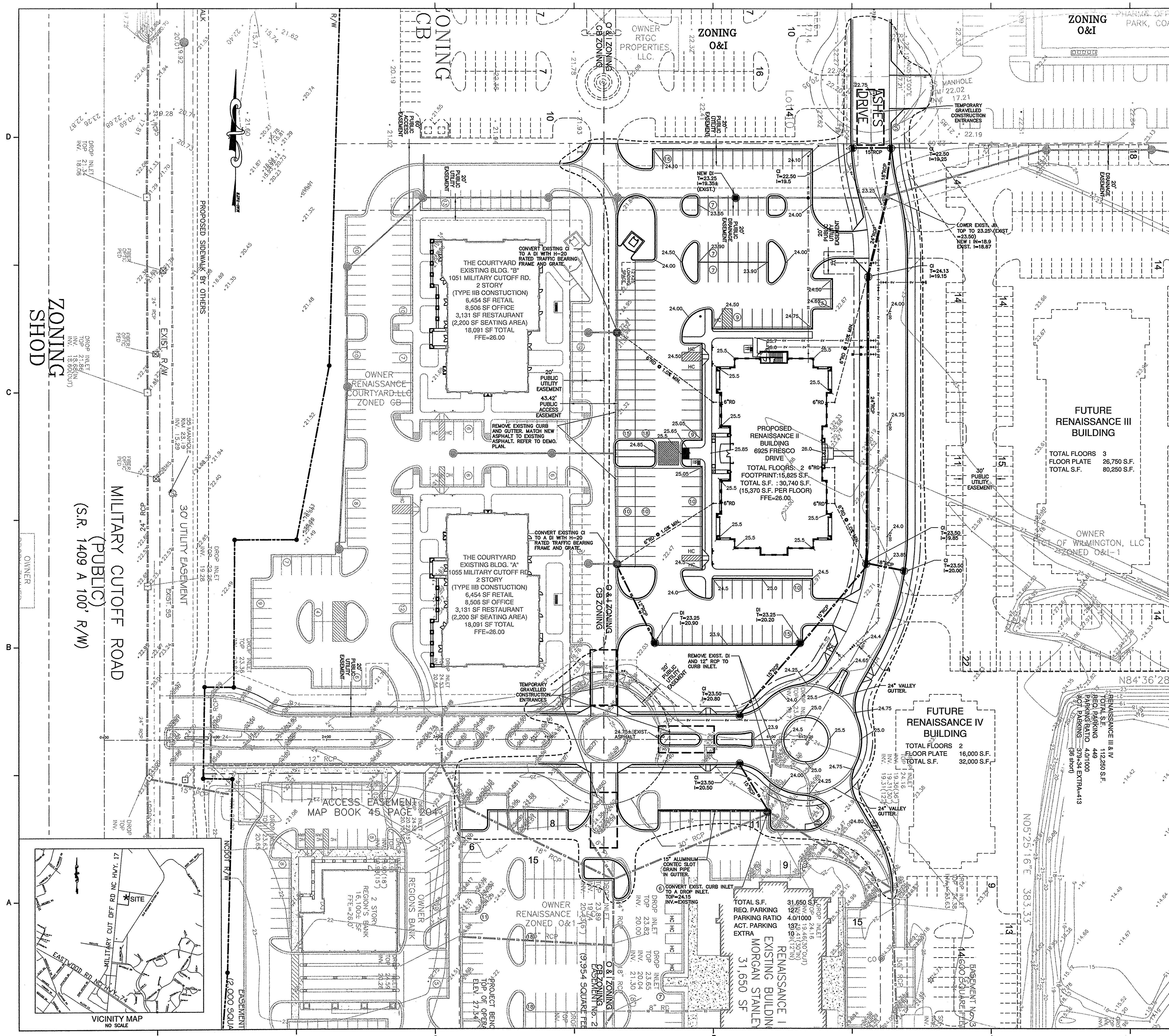
REVISIONS:
 03/27/07 ISSUED FOR BUILDING PERMIT
 REVISION 1 ISSUED FOR CONSTRUCTION

PROJECT: 7102-081840
 DATE: 05/14/07
 DRAWN BY: NKS
 CHECKED BY: JST

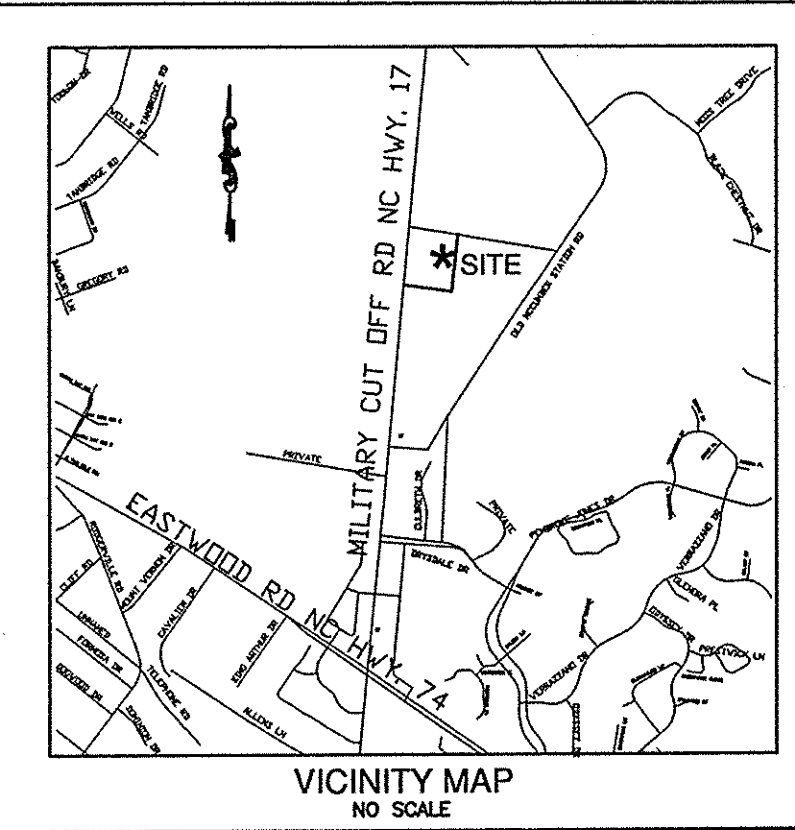
EXISTING SITE CONDITIONS AND DEMOLITION PLAN

C2
 NKT.#07024

SOLUTIONS THROUGH LISTENING
 SERVICE BY DESIGN



ZONING SHOD
 ZONING O&I
 MILITARY CUTOFF ROAD (PUBLIC) (S.R. 1409 A 100' R/W)
 OWNER



LEGEND

PROPERTY LINE	---
EXISTING SPOT ELEVATION	• 22.84
EXISTING CONTOUR	- - - 20
DISTURBED AREA	▨
PROPOSED CONTOUR	⊙ 36
PROPOSED FINISH GRADE SPOT ELEVATION	— 23.5
STORMDRAIN PIPE	— 15" RCP
TEMPORARY SILT FENCE	— TPF
EROSION CONTROL AROUND INLETS	⊙
PROPOSED SANITARY SEWER	— 12" RCP
PROPOSED WATER LINE	— W

SCALE: 1" = 40'
 0 40 80 120

FUTURE RENAISSANCE III BUILDING
 TOTAL FLOORS 3
 FLOOR PLATE 26,750 S.F.
 TOTAL S.F. 80,250 S.F.

FUTURE RENAISSANCE IV BUILDING
 TOTAL FLOORS 2
 FLOOR PLATE 16,000 S.F.
 TOTAL S.F. 32,000 S.F.

RENAISSANCE I EXISTING BUILDING MORGAN STANLEY
 TOTAL S.F. 31,650 S.F.
 REQ. PARKING 127
 PARKING RATIO 4.0/1000
 ACT. PARKING 132
 EXTRA 5

THE COURTYARD EXISTING BLDG. "B"
 1051 MILITARY CUTOFF RD.
 2 STORY
 (TYPE IIB CONSTRUCTION)
 6,454 SF RETAIL
 8,506 SF OFFICE
 3,131 SF RESTAURANT
 (2,200 SF SEATING AREA)
 18,091 SF TOTAL
 FFE=26.00

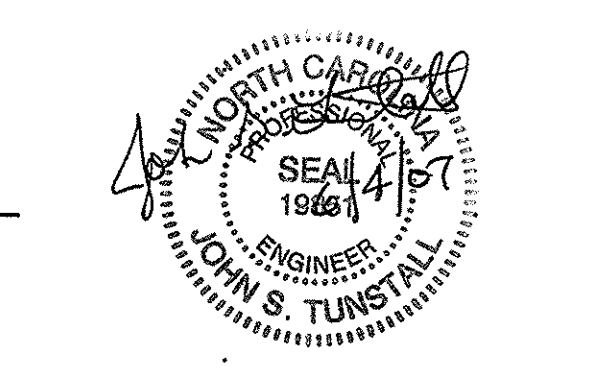
THE COURTYARD EXISTING BLDG. "A"
 1055 MILITARY CUTOFF RD.
 2 STORY
 (TYPE IIB CONSTRUCTION)
 6,454 SF RETAIL
 8,506 SF OFFICE
 3,131 SF RESTAURANT
 (2,200 SF SEATING AREA)
 18,091 SF TOTAL
 FFE=26.00

RENAISSANCE II OFFICE BUILDING
 6925 FRESCO DRIVE
 WILMINGTON, N.C.

NORRIS, KUSKE & TUNSTALL CONSULTING ENGINEERS, INC.



LS3P ASSOCIATES LTD.
 2528 INDEPENDENCE BLVD., SUITE 200
 WILMINGTON, NORTH CAROLINA 28412
 TEL. 910.790.9901 FAX 910.790.3111
 WWW.LS3P.COM



OWNER:
 TCT OF WILMINGTON, LLC
 1123 MILITARY CUTOFF RD.
 WILMINGTON, N.C. 28405
 (910) 256-7704

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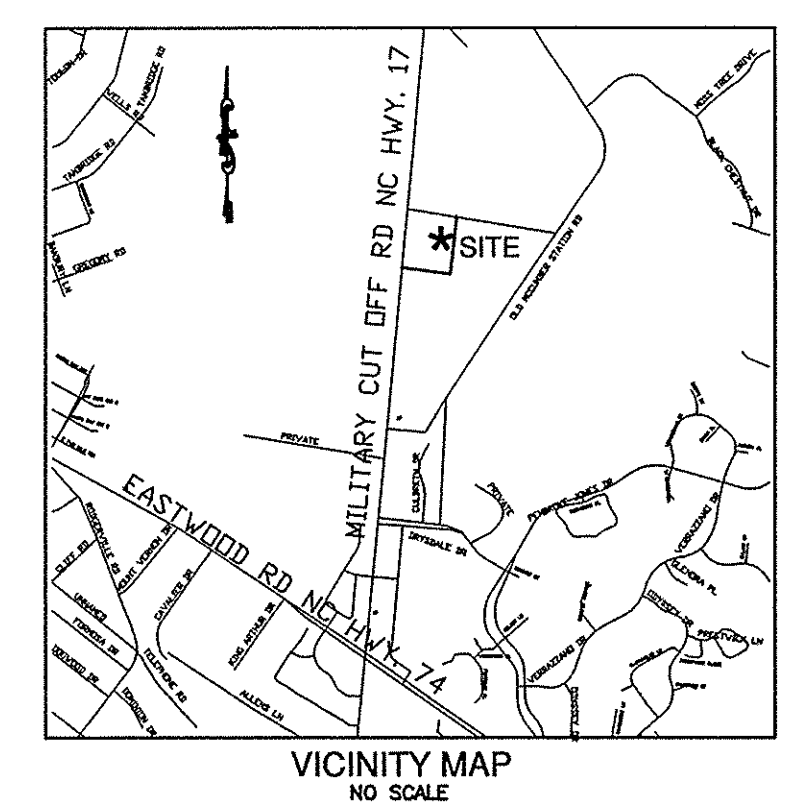
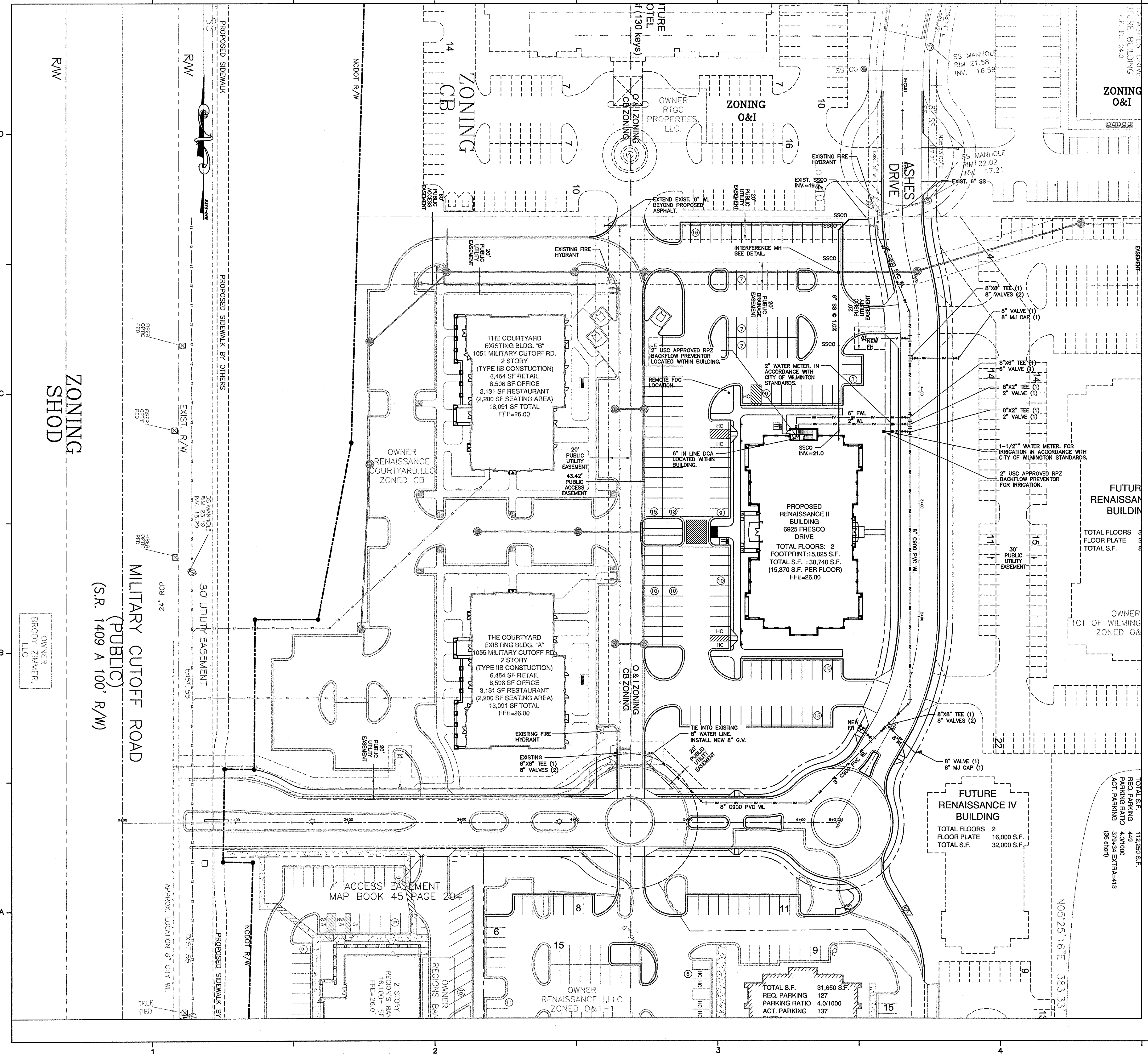
REVISIONS:
 03/27/07 ISSUED FOR BUILDING PERMIT
 Δ REVISION 1 ISSUED FOR CONSTRUCTION

PROJECT: 7102-061840
 DATE: 05/14/07
 DRAWN BY: NKS
 CHECKED BY: JST

GRADING DRAINAGE AND EROSION CONTROL
C3
 NKT.#07024

SOLUTIONS THROUGH LISTENING
 SERVICE BY DESIGN

F:\Civil\Projects\20070328\DWG\DWG\0238\MSTER.dwg, 8/4/2007 11:06:25 AM, 2x636.pcf



WATER DEMAND: 5,000 GPD
SEWER DEMAND: 3,000 GPD

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE EXISTING SITE ELEVATIONS AND INVERTS PRIOR TO BEGINNING CONSTRUCTION. CONTACT THE ENGINEER FOR DIRECTION AS REQUIRED DURING CONSTRUCTION.
2. EXISTING BOUNDARY, TOPOGRAPHIC AND TREE SURVEY INFORMATION FROM SURVEY BY ARNOLD CARSON, PLS., AND PROVIDED BY THE OWNER.
3. MAINTAIN A MIN. 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION BETWEEN THE WATERLINES AND SERVICES AND SANITARY SEWER LINES AND SERVICES. ALL WATERLINES AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF WILMINGTON STANDARDS AND SHALL HAVE A MINIMUM OF 36" COVER. ALL SEWERLINES AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW HANOVER COUNTY STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THAT ADEQUATE FALL IS AVAILABLE FROM THE BUILDING TO THE EXISTING SANITARY SEWER PRIOR TO BEGINNING ANY DEMOLITION OR CONSTRUCTION.
4. MAINTAIN A 5' MINIMUM HORIZONTAL SEPARATION AND A 1' MINIMUM VERTICAL SEPARATION BETWEEN THE PROPOSED OR EXISTING STORM DRAIN AND THE PROPOSED OR EXISTING WATER LINE OR SEWER LINE.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CONTACTING NCDOT FOR THE REQUIRED INSPECTIONS ON WORK WITHIN THE NCDOT RIGHT-OF-WAY.
6. PROJECT SHALL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
7. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCHR OR ASSE.
8. WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 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 AND FITTINGS. THIS WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
9. BACKFLOW DEVICES: COMMERCIAL SHALL USE A USC APPROVED WAITS 909 REDUCED PRESSURE ZONE BACKFLOW PREVENTOR OR APPROVED EQUAL. FIRE LINE SHALL USE AN INDOOR INLINE USC APPROVED DOUBLE CHECK VALVE ASSEMBLY.

UTILITY NOTES FOR FIRE HYDRANTS

1. FIRE HYDRANTS MUST BE WITHIN 150' OF THE FIRE DEPARTMENT CONNECTION.
2. THE FIRE DEPARTMENT CONNECTION MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
3. LANDSCAPING CANNOT BLOCK OR IMPEDE THE FIRE DEPARTMENT CONNECTIONS OR FIRE HYDRANTS. A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANT CONNECTION AND THE FIRE HYDRANT.
4. FIRE HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
5. NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDINGS.
6. THE CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
7. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES.

LEGEND

PROPERTY LINE	---
PROPOSED WATERLINE	-v-v-v-
PROPOSED SANITARY SEWER	---

SCALE: 1" = 40'

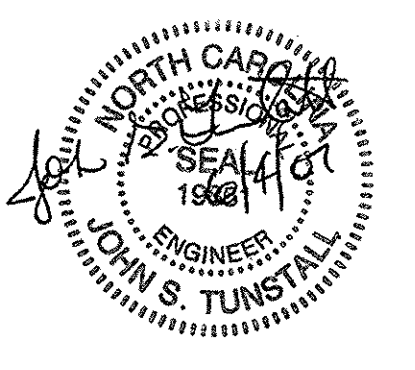
0 40 80 120

RENAISSANCE II OFFICE BUILDING
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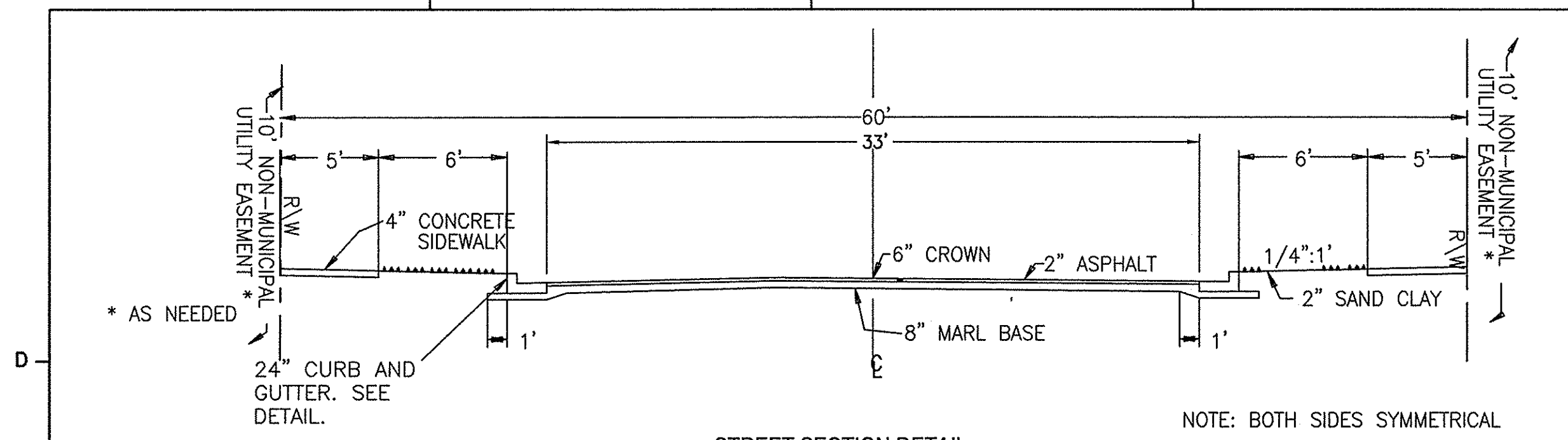
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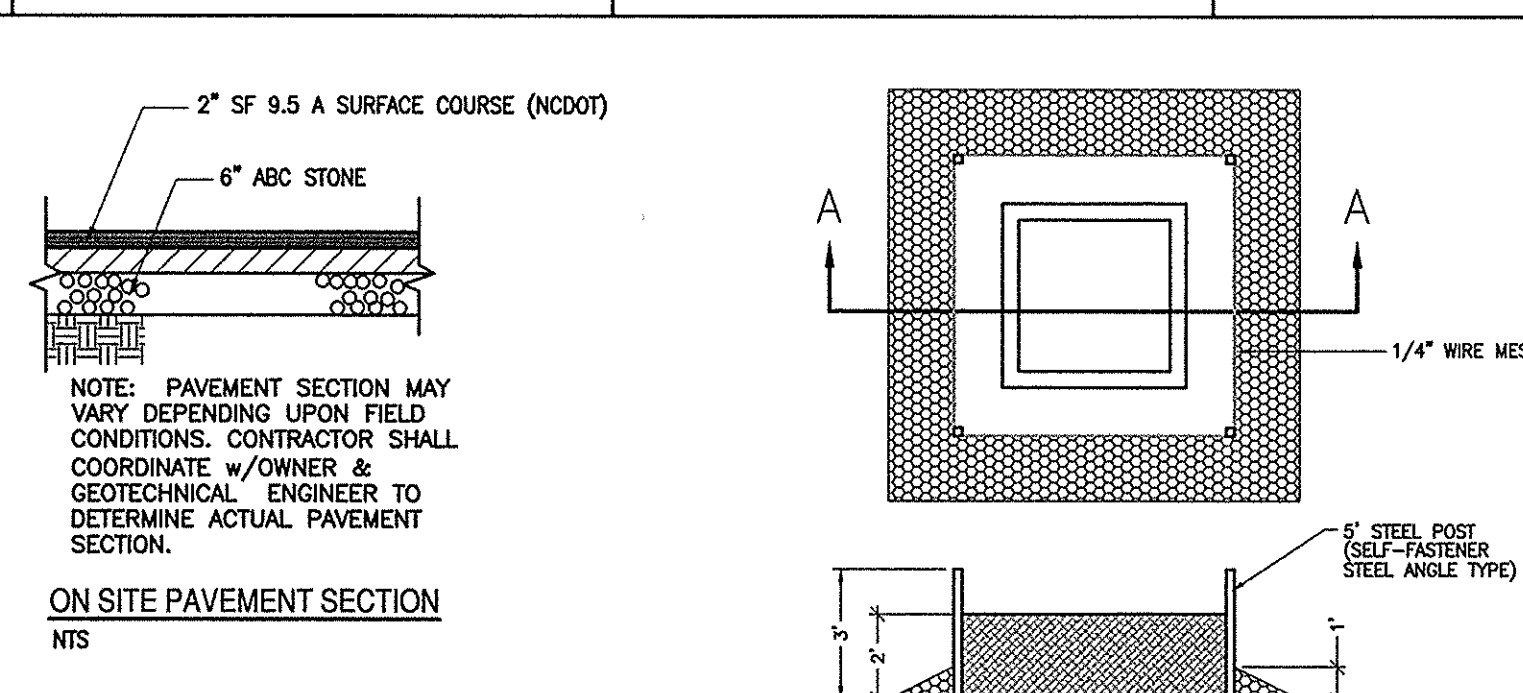
PROJECT: 7102-061840
DATE: 05/14/07
DRAWN BY: NKS
CHECKED BY: JST

UTILITY PLAN
C4 NKT.#07024

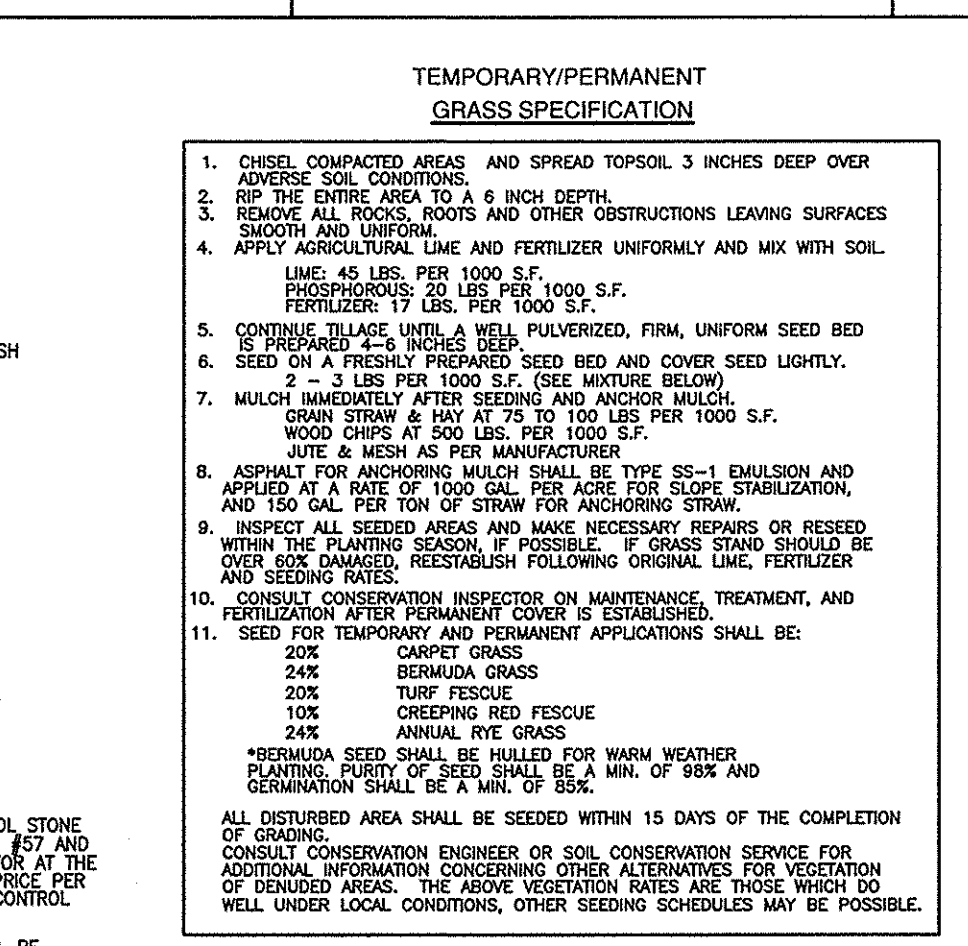
SOLUTIONS THROUGH LISTENING
SERVICE BY DESIGN



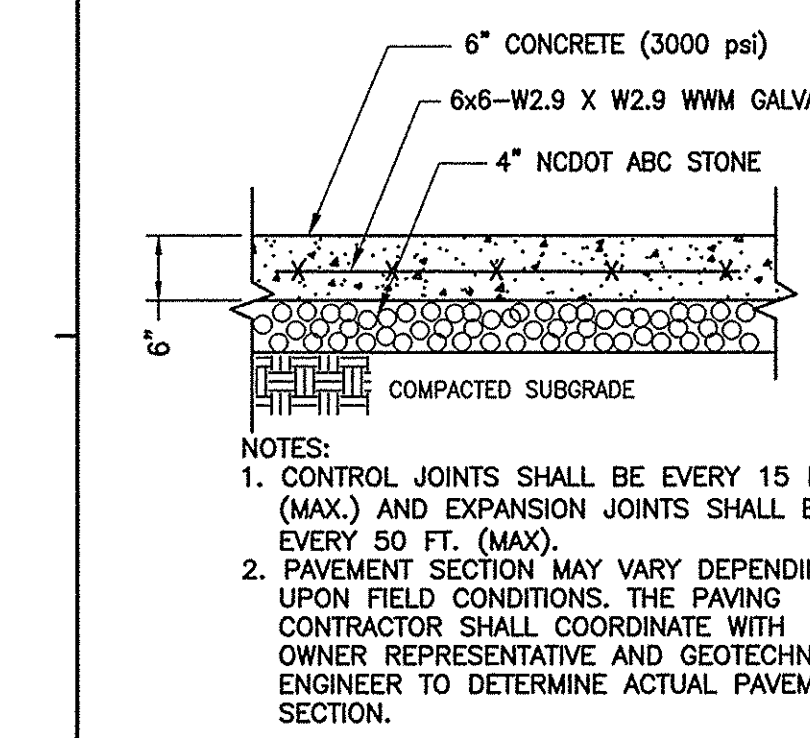
STREET SECTION DETAIL
NTS



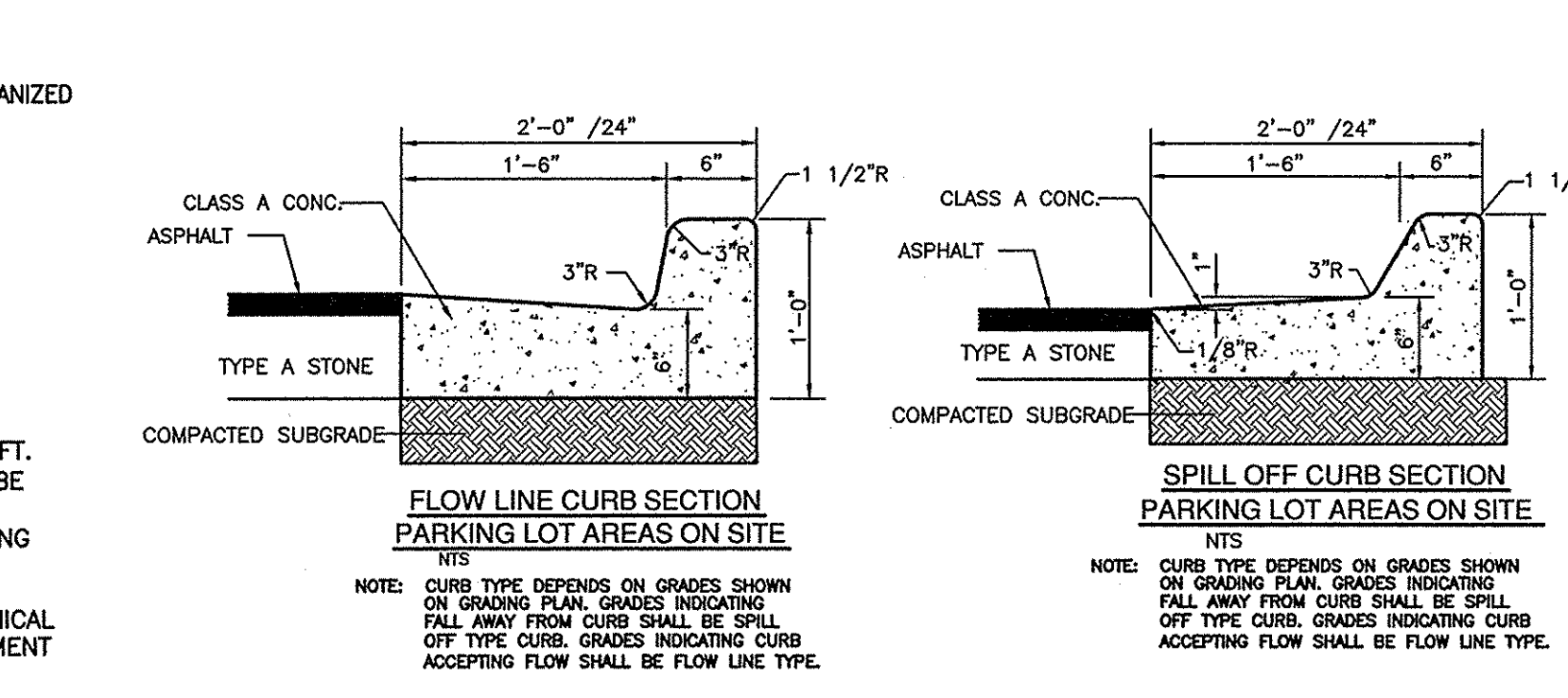
ON SITE PAVEMENT SECTION
NTS



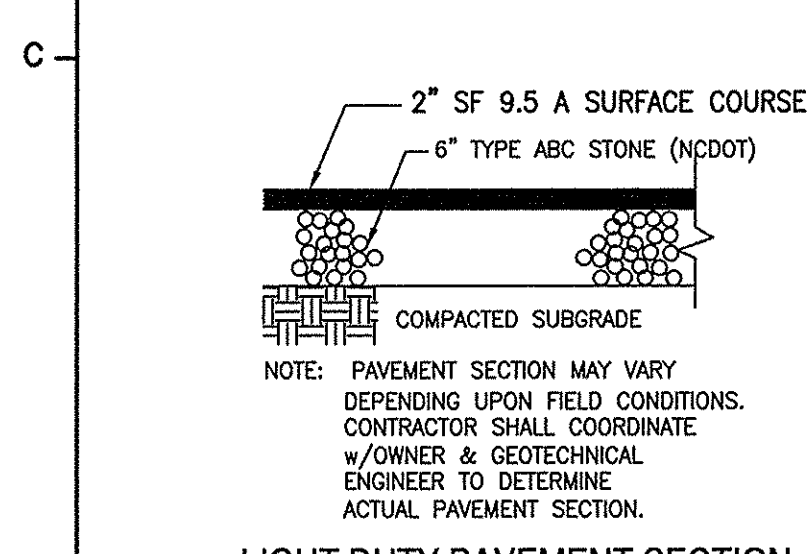
TEMPORARY/PERMANENT GRASS SPECIFICATION



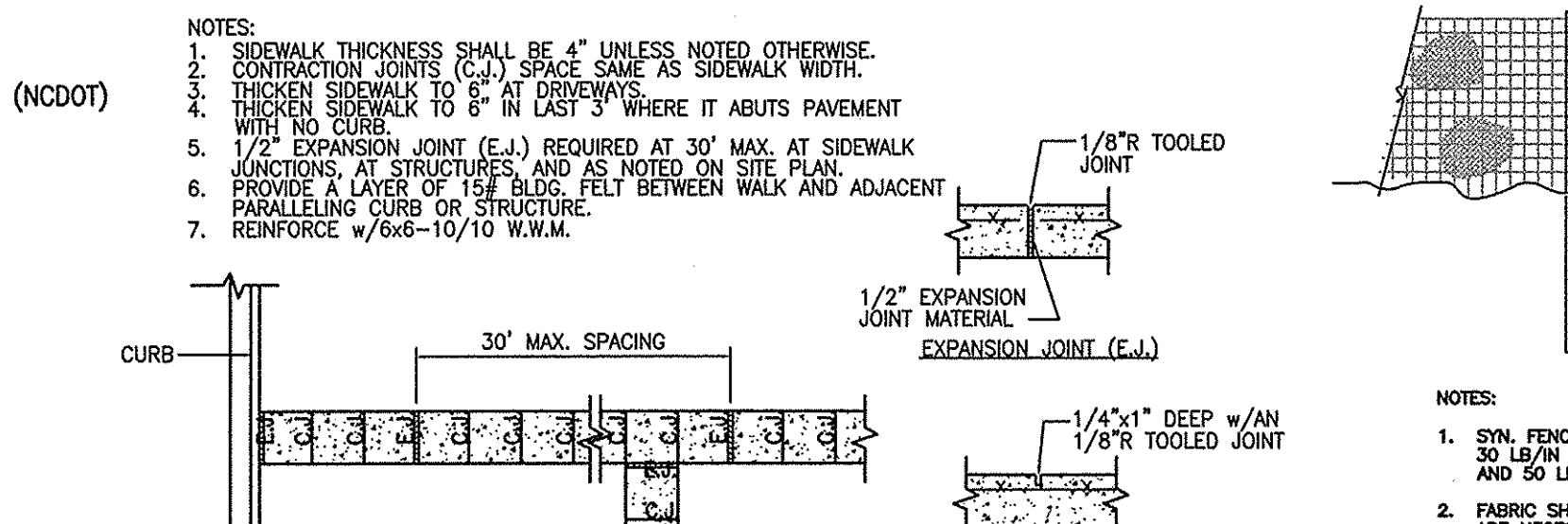
HEAVY DUTY CONCRETE PAVEMENT SECTION
NTS



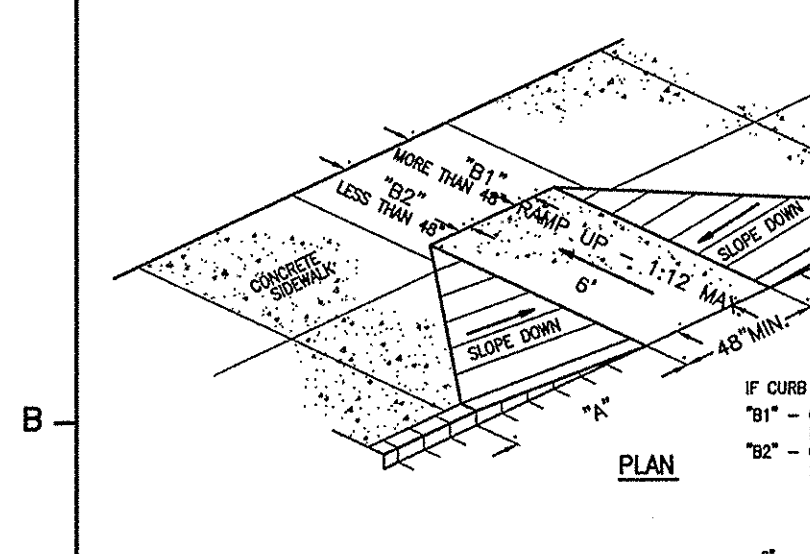
FLOW LINE CURB SECTION, PARKING LOT AREAS ON SITE, SPILL OFF CURB SECTION, STANDARD CURB SECTION TYPE 'D'



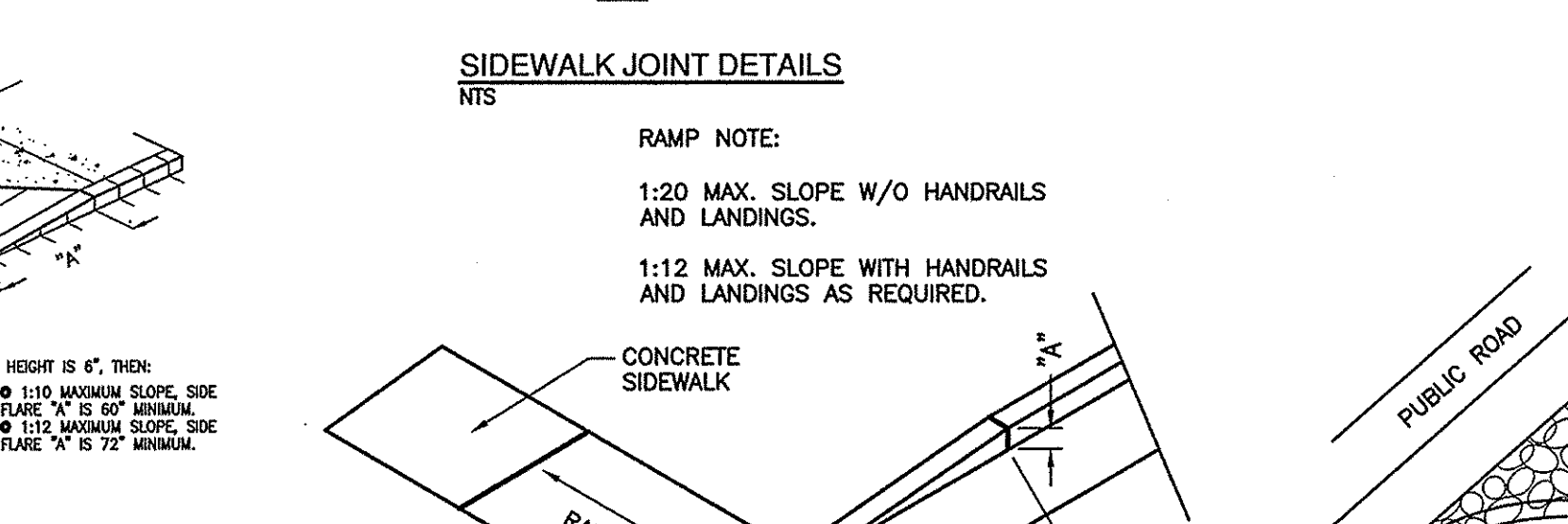
LIGHT DUTY PAVEMENT SECTION
NTS



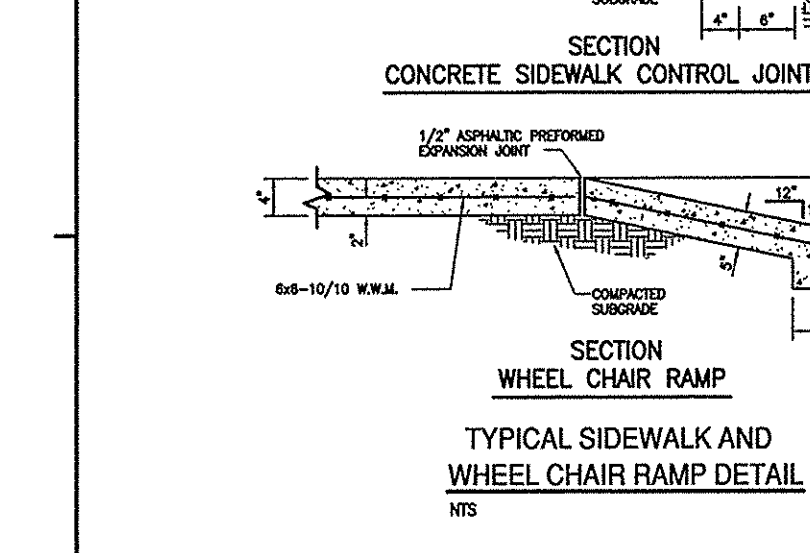
CONSTRUCTION JOINT (C.J.), EXPANSION JOINT (E.J.)



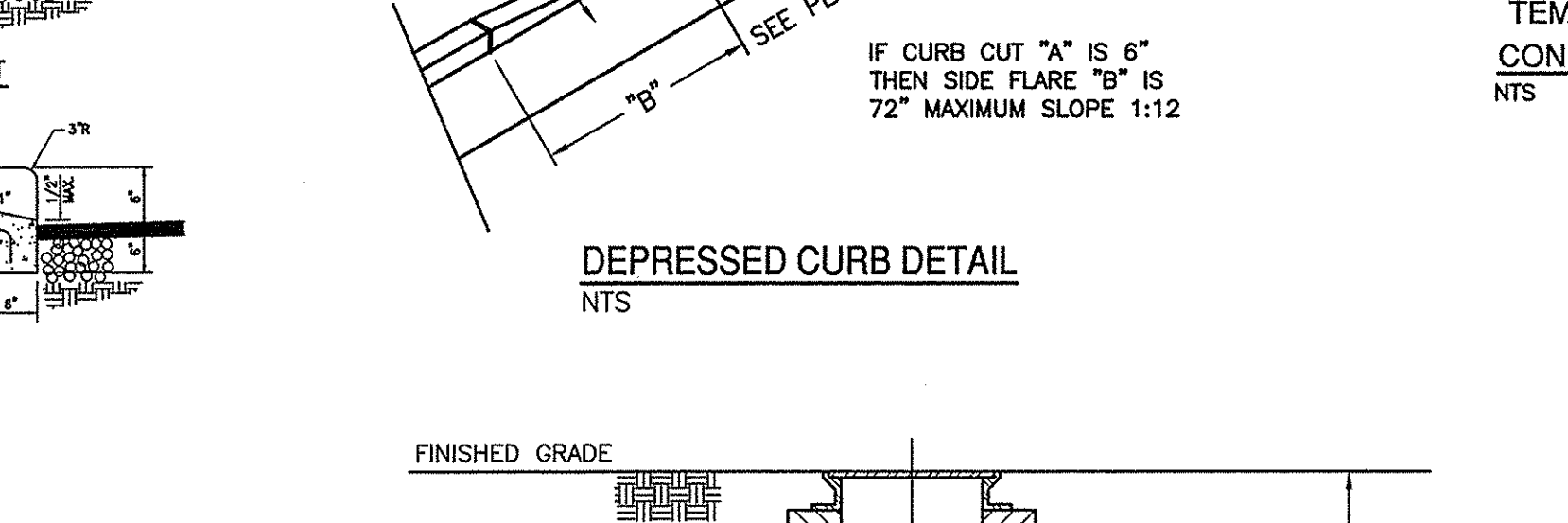
SIDEWALK JOINT DETAILS
NTS



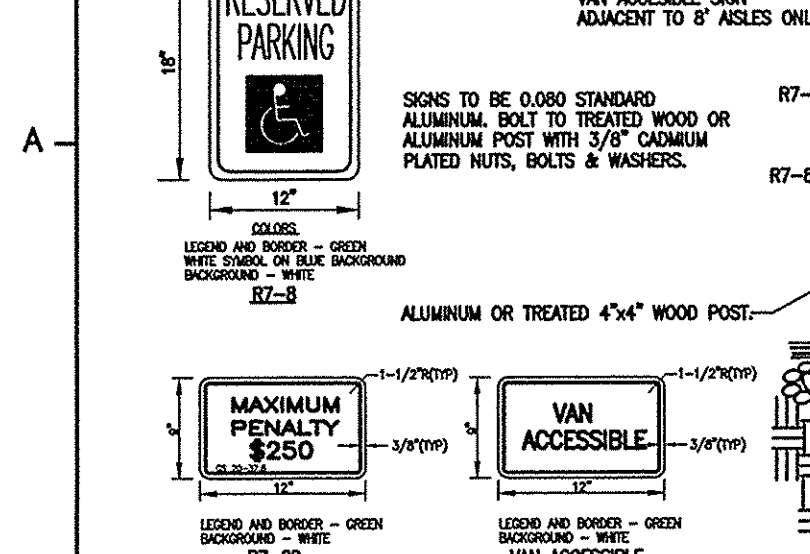
RAMP NOTE



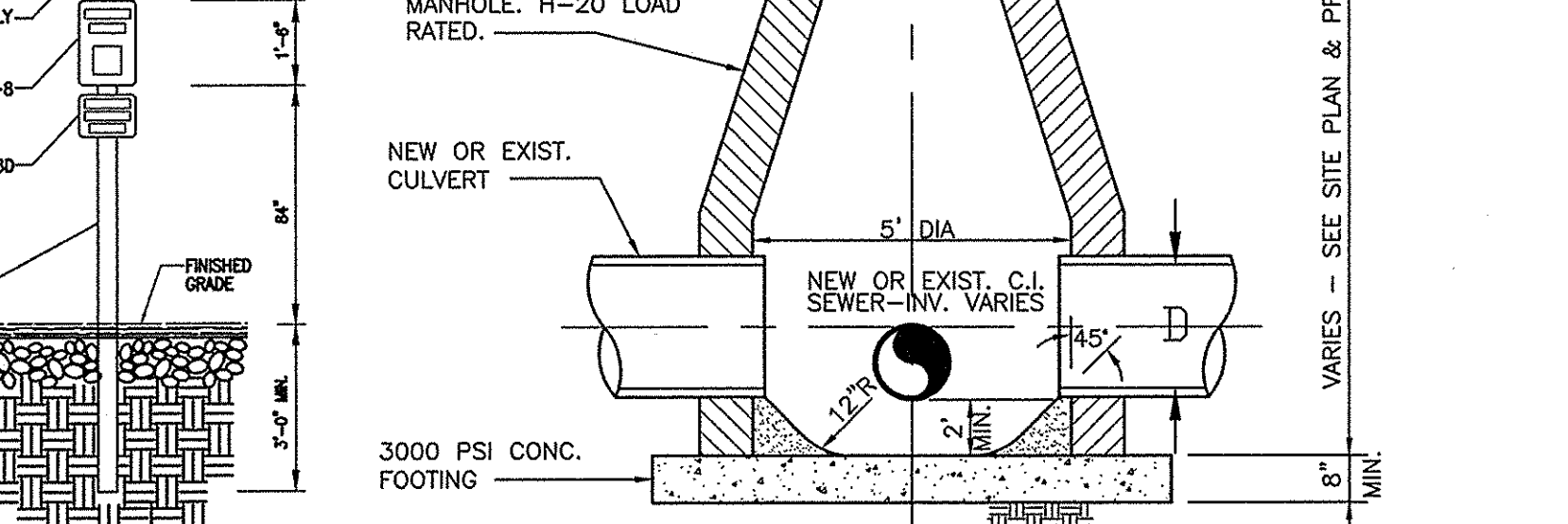
DEPRESSED CURB DETAIL
NTS



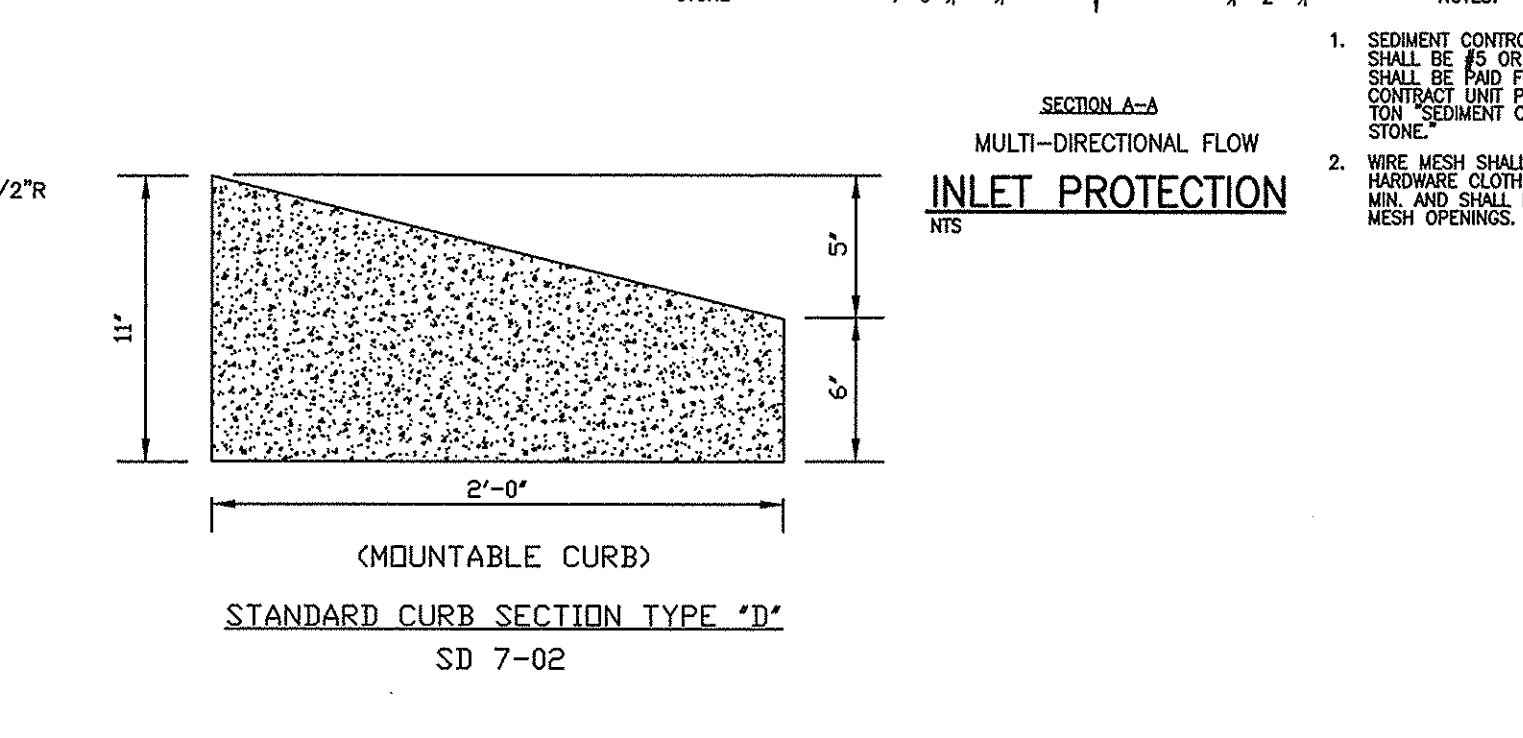
TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE
NTS



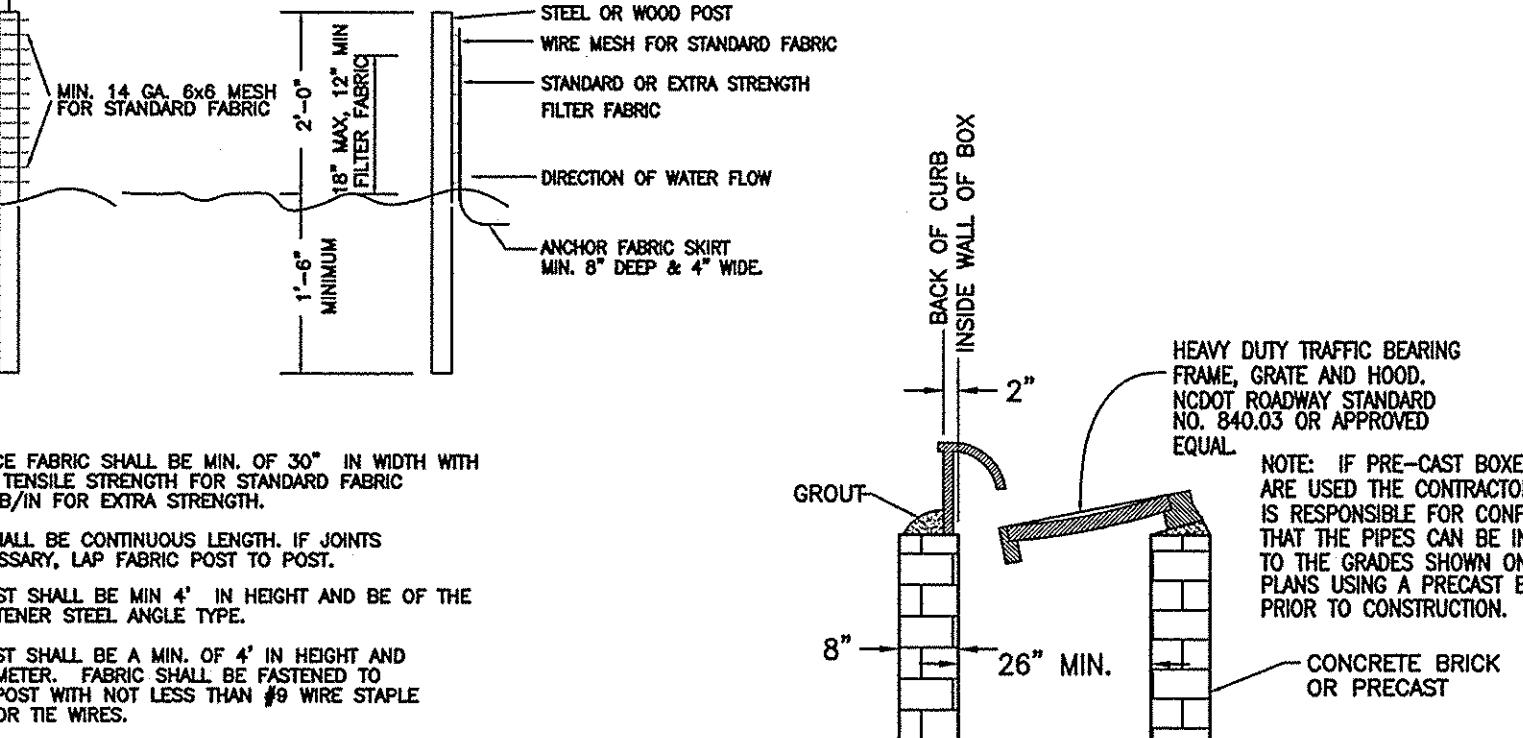
TYPICAL HANDICAPPED SIGN DETAIL
NTS



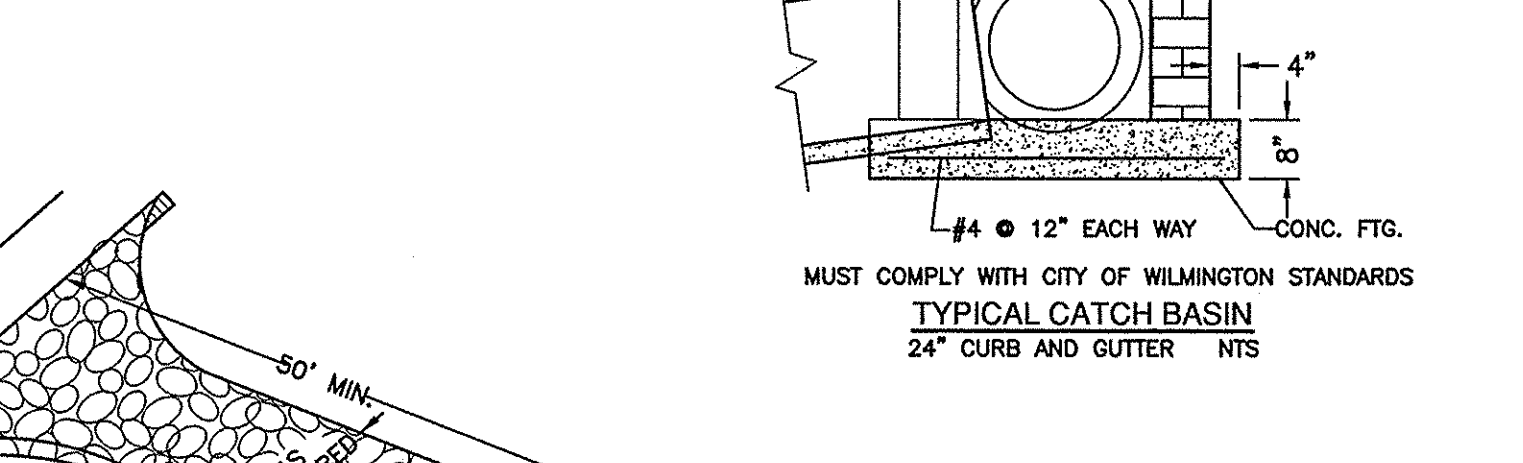
INTERFERENCE MANHOLE
NTS



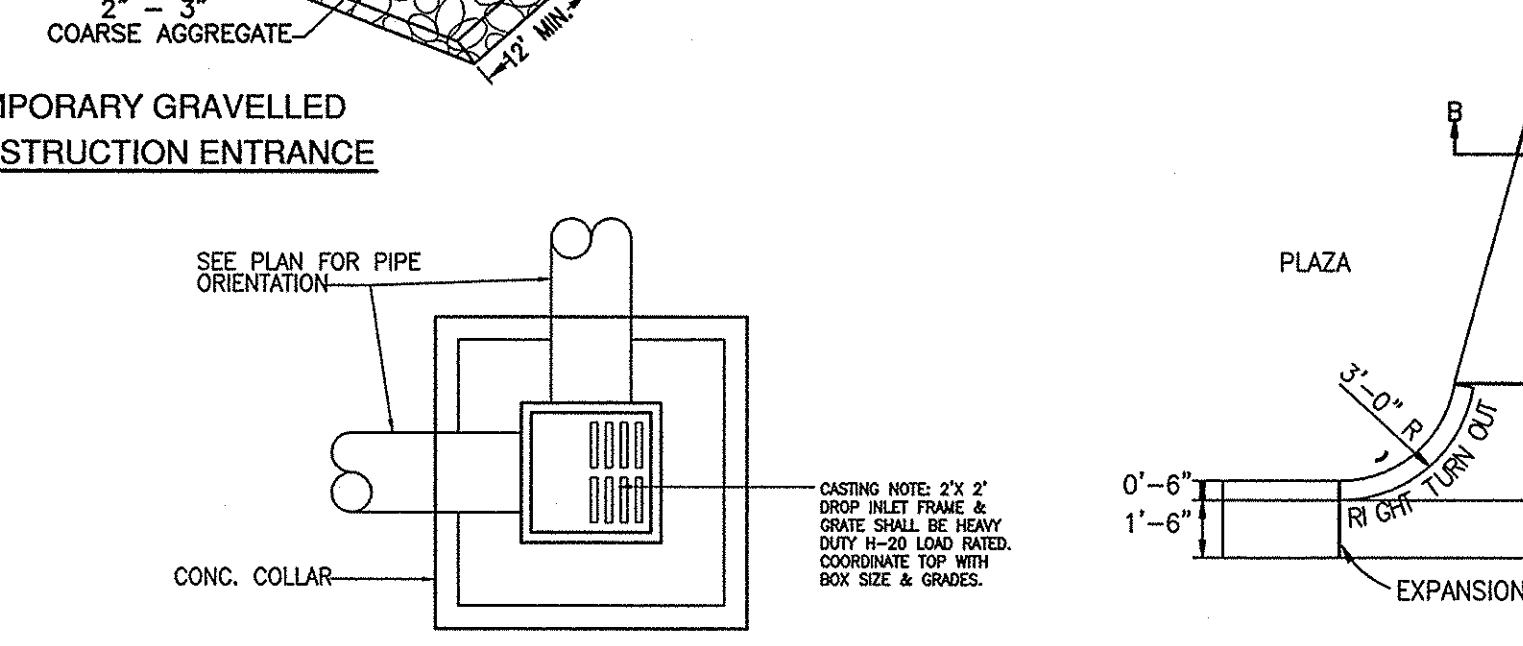
INLET PROTECTION
NTS



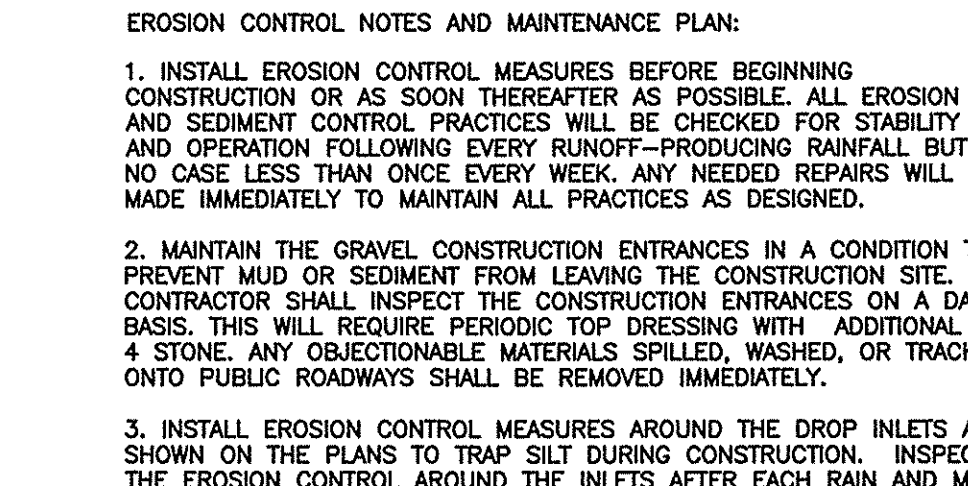
TEMPORARY SILT FENCE
NTS



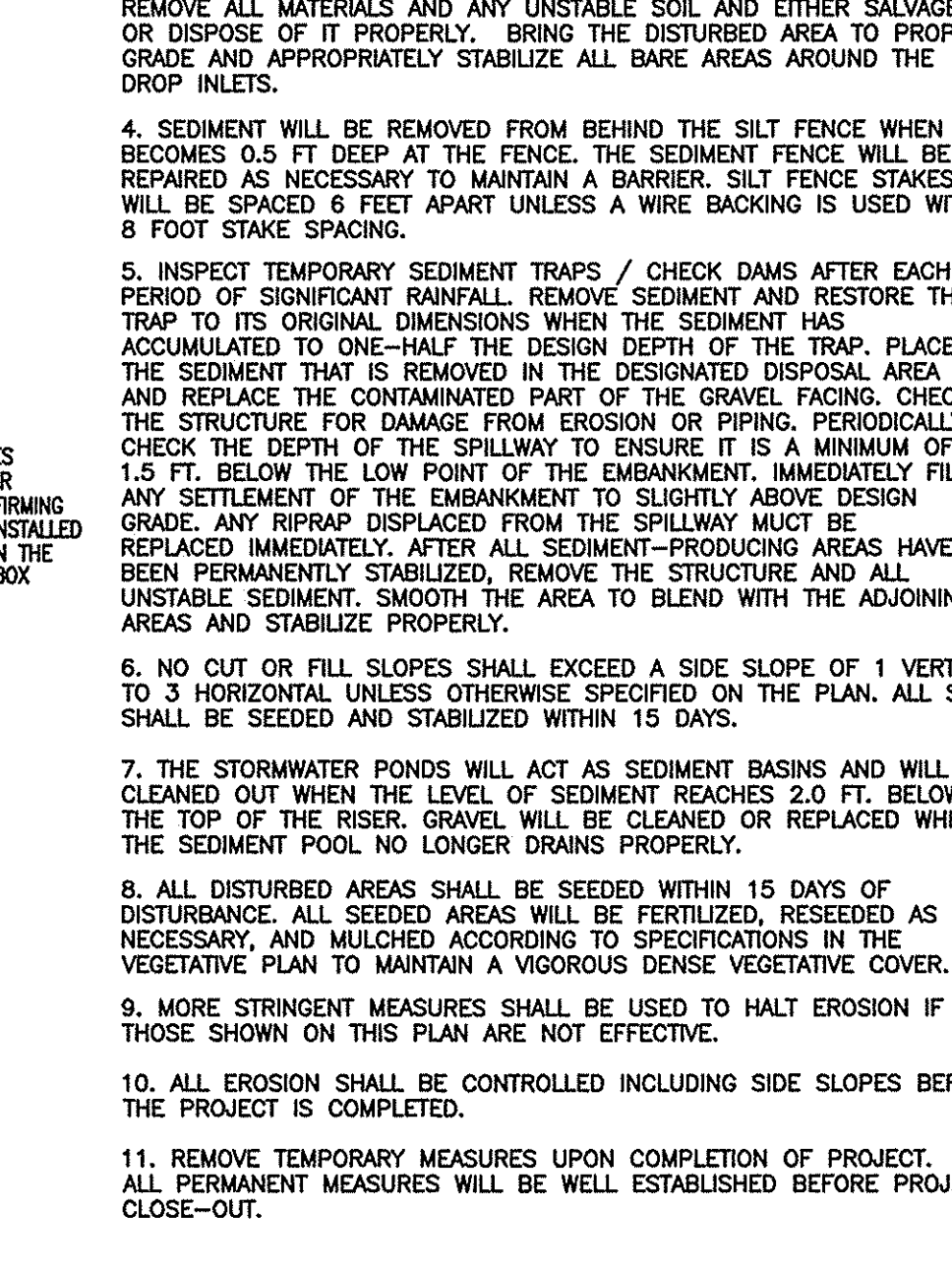
TYPICAL CATCH BASIN
24\"/>



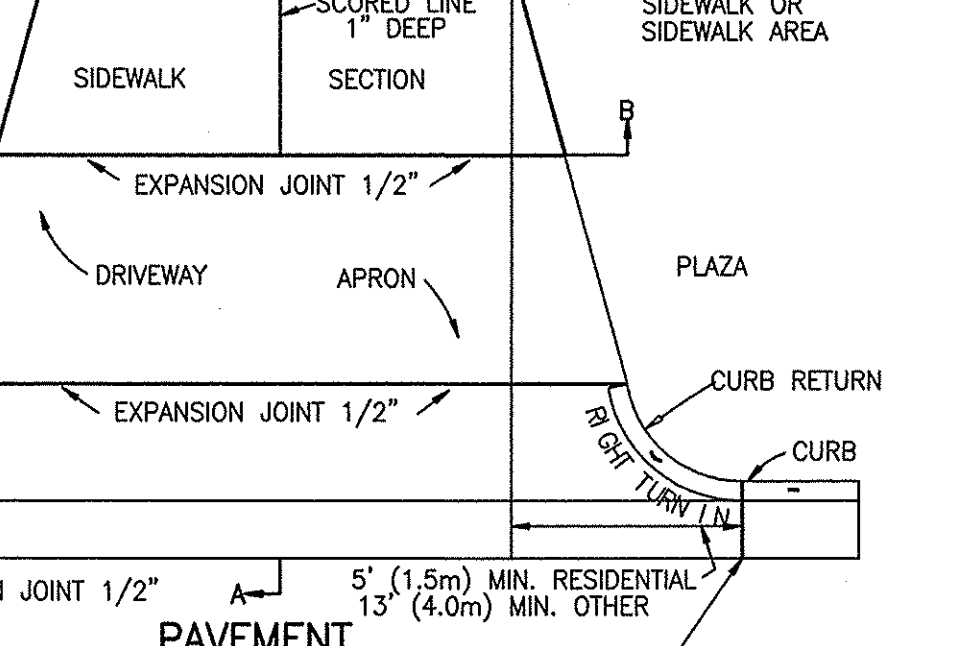
DROP INLET DETAIL
NTS



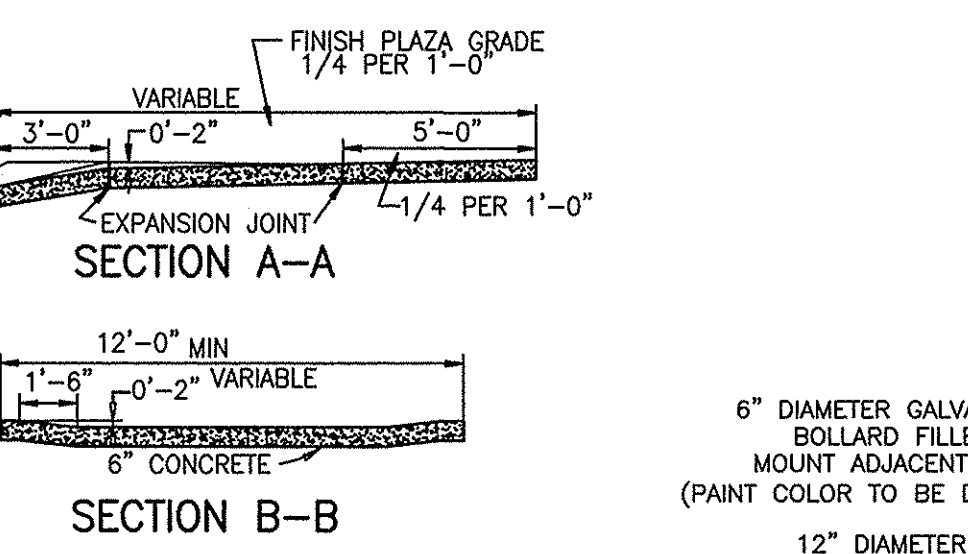
EROSION CONTROL NOTES AND MAINTENANCE PLAN



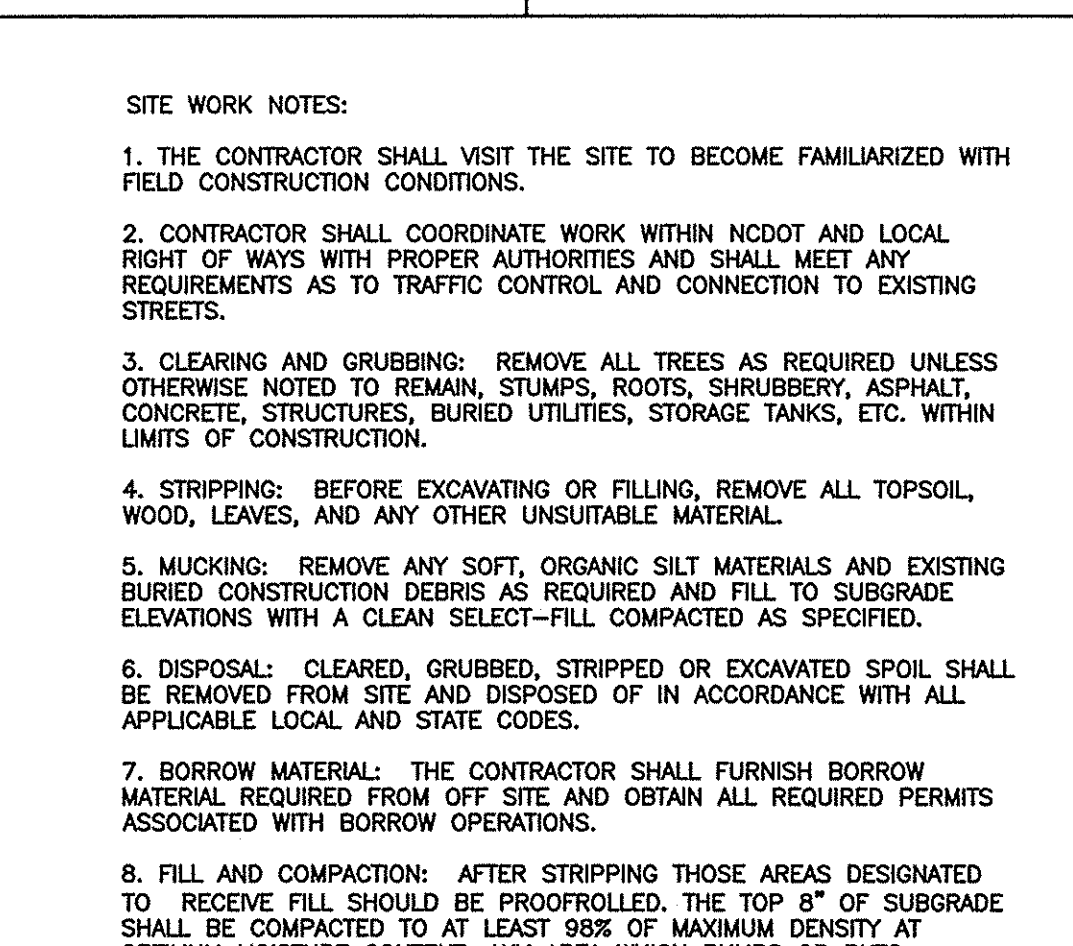
STANDARD DRIVEWAY DETAIL
NTS



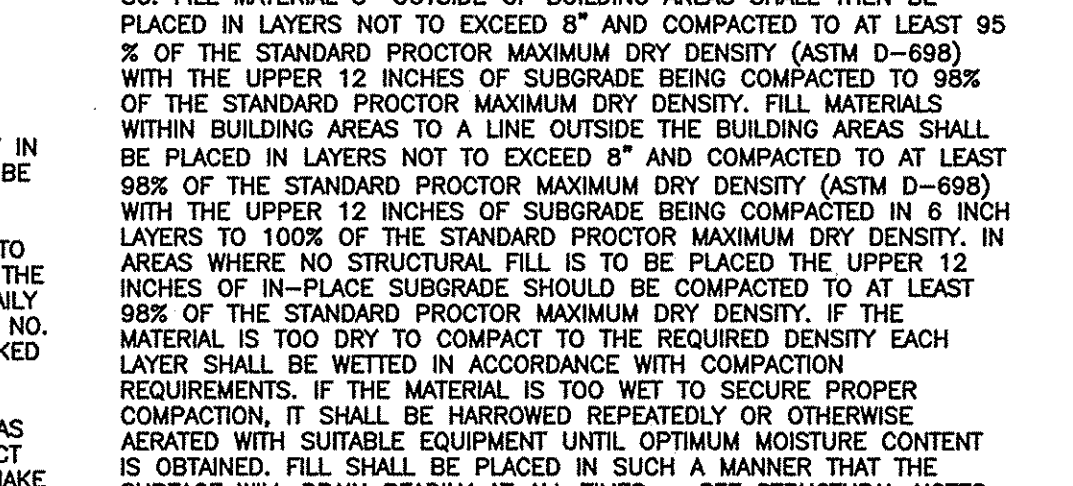
PAVEMENT PLAN



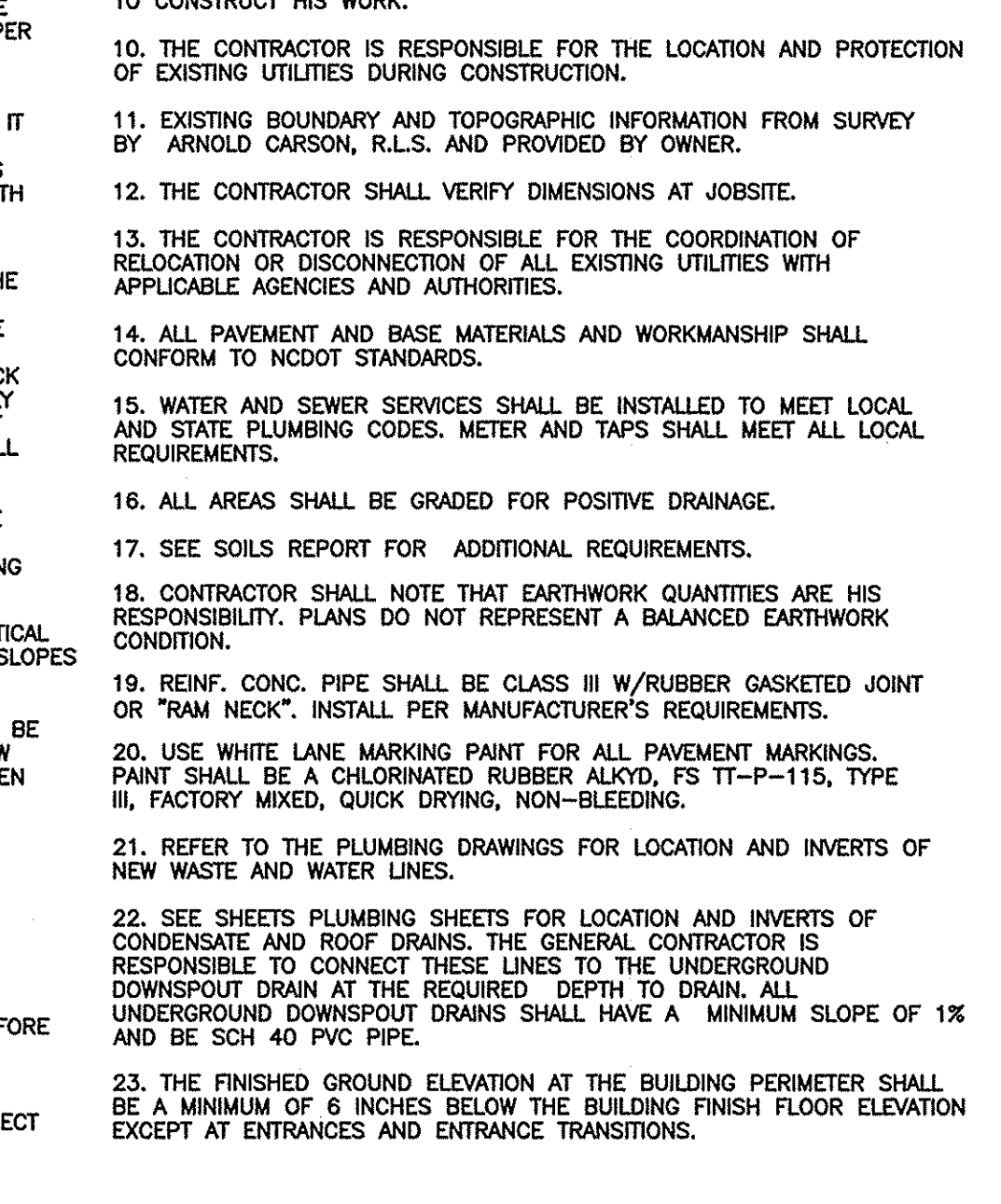
DUMPSTER SCREENING DETAIL
NTS



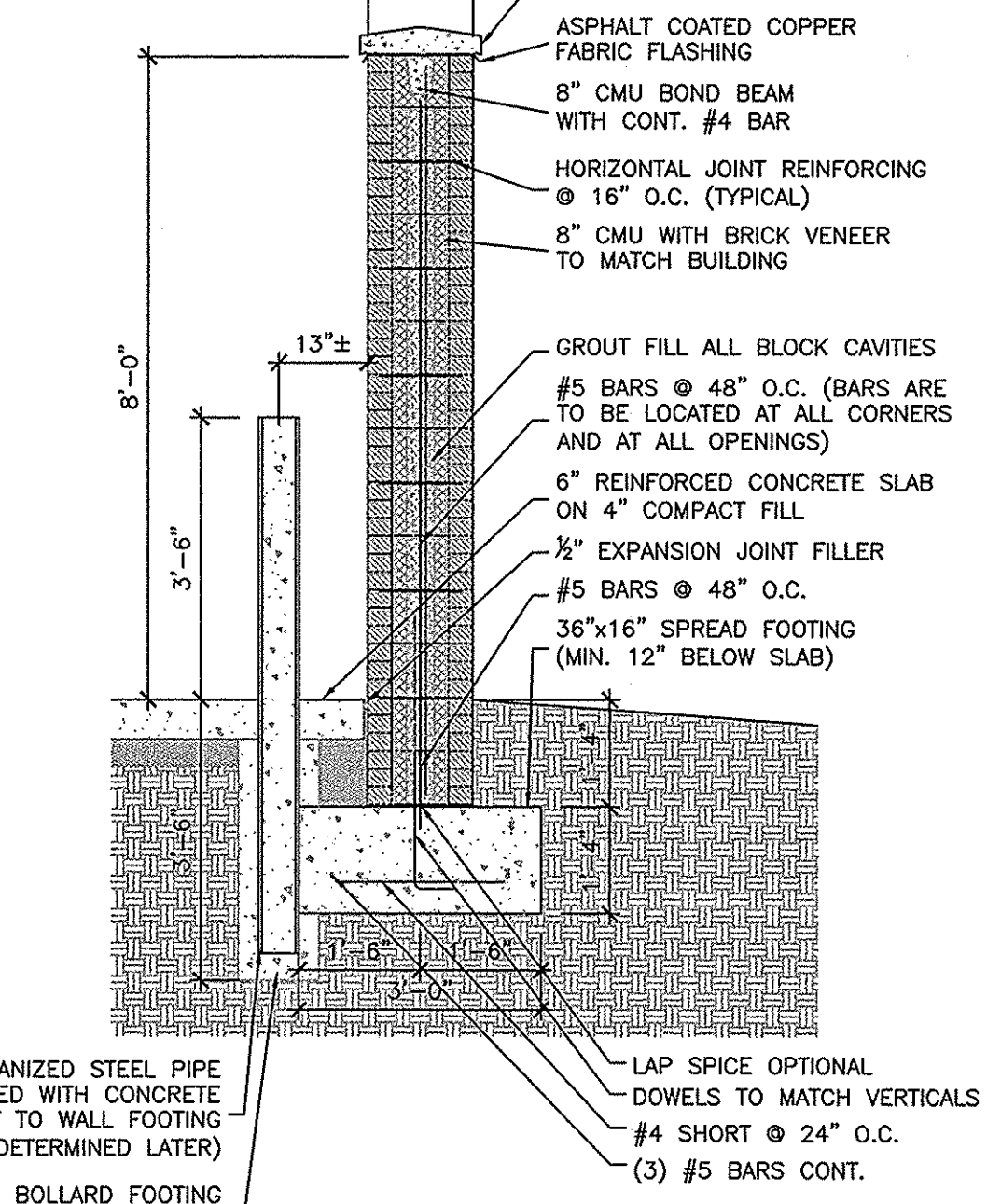
SITING WORK NOTES



SECTION A-A



SECTION A-A, SECTION B-B



DUMPSTER SCREENING DETAIL
NTS

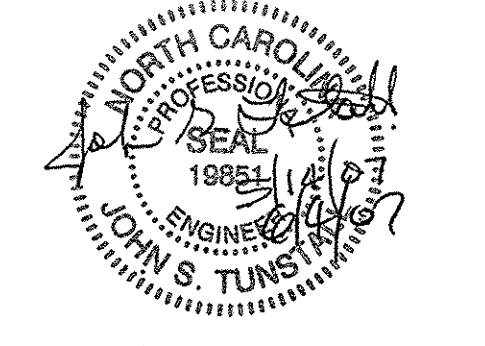
**RENAISSANCE II
OFFICE
BUILDING**
6925 FRESCO DRIVE
WILMINGTON, N.C.

**NORRIS, KUSKE & TUNSTALL
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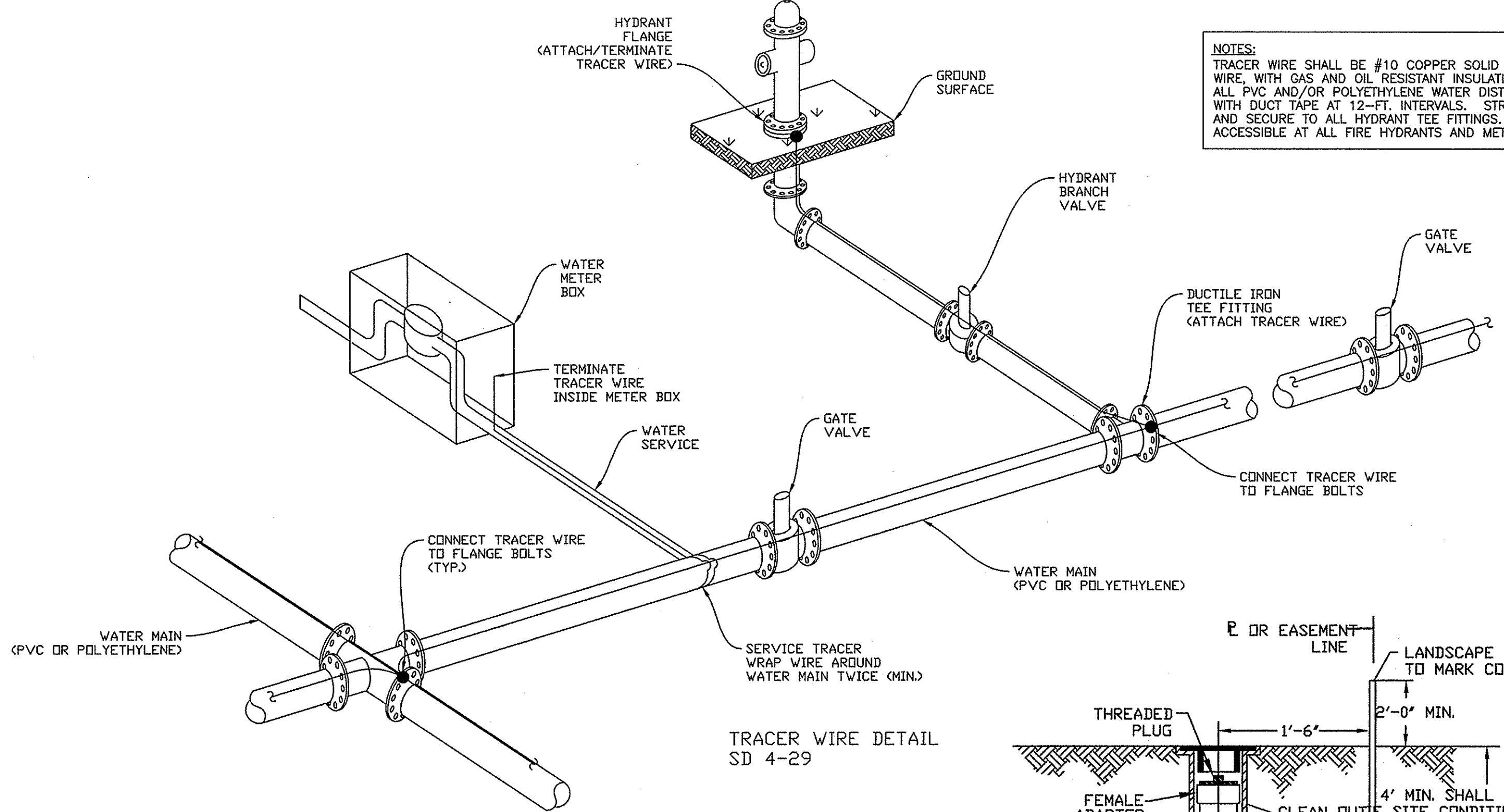
PROJECT: 7102-061840
DATE: 05/14/07
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NOTES AND DETAILS
C5
NKT.#07024

SOLUTIONS THROUGH LISTENING
SERVICE BY DESIGN

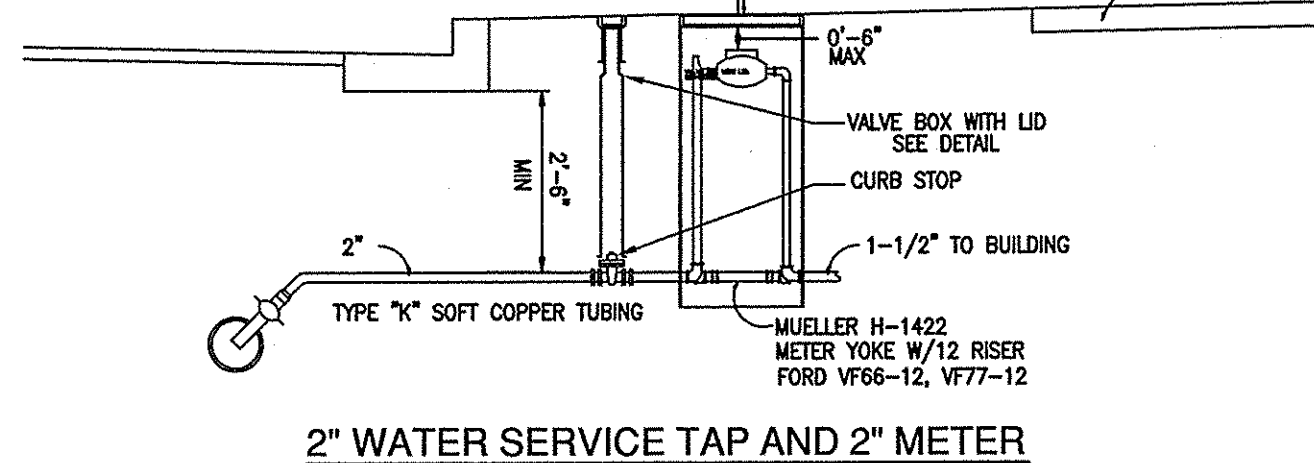


NOTES:
TRACER WIRE SHALL BE #10 COPPER SOLID CORE COPPER WIRE, WITH GAS AND OIL RESISTANT INSULATION, STRAPPED TO ALL PVC AND/OR POLYETHYLENE WATER DISTRIBUTION PIPING WITH DUCT TAPE AT 12"-FT. INTERVALS. STRIP INSULATION AND SECURE TO ALL HYDRANT TEE FITTINGS. WIRE SHALL BE ACCESSIBLE AT ALL FIRE HYDRANTS AND METER BOXES.

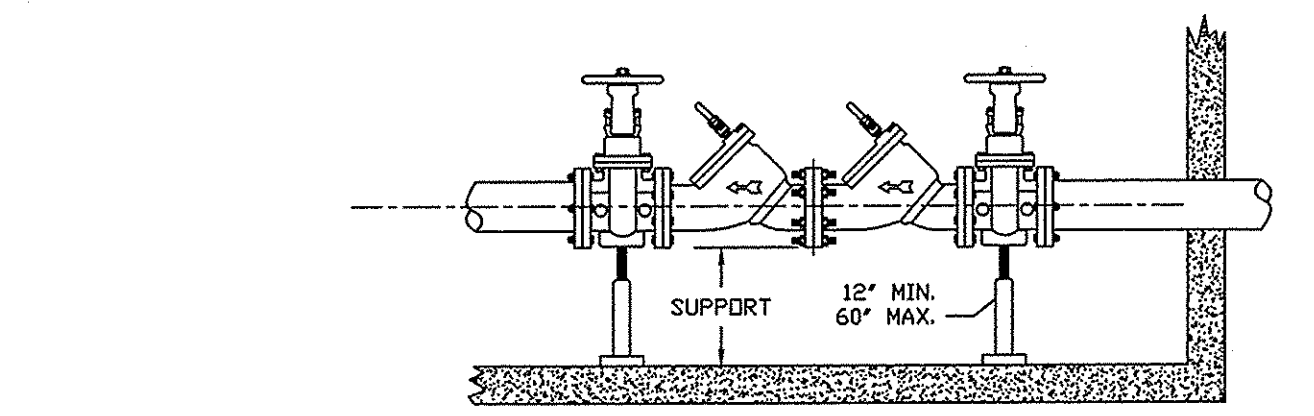


TRACER WIRE DETAIL SD 4-29

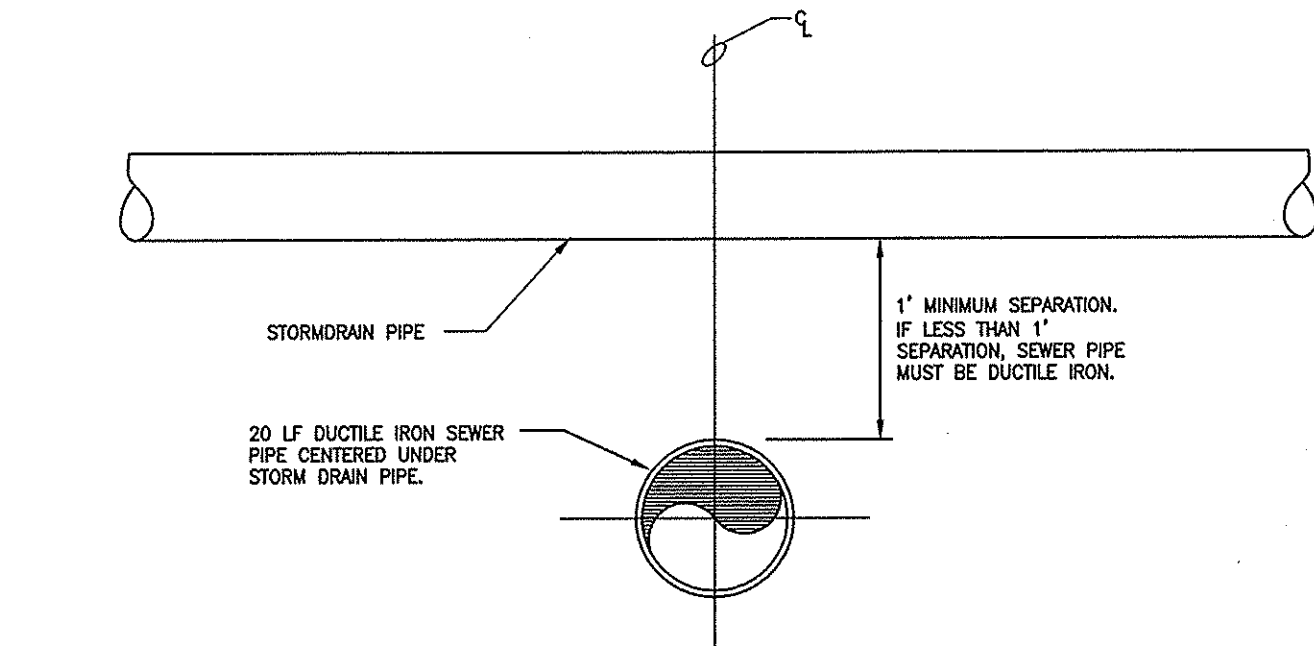
NOTES:
1. WATER METERS ARE TO BE PROVIDED BY THE CITY.
2. ALL WATER METERS MUST BE LOCATED WITHIN PUBLIC RIGHT-OF-WAYS AND/OR EASEMENTS.
3. WATER METERS SHALL NOT BE LOCATED IN DRIVEWAYS.



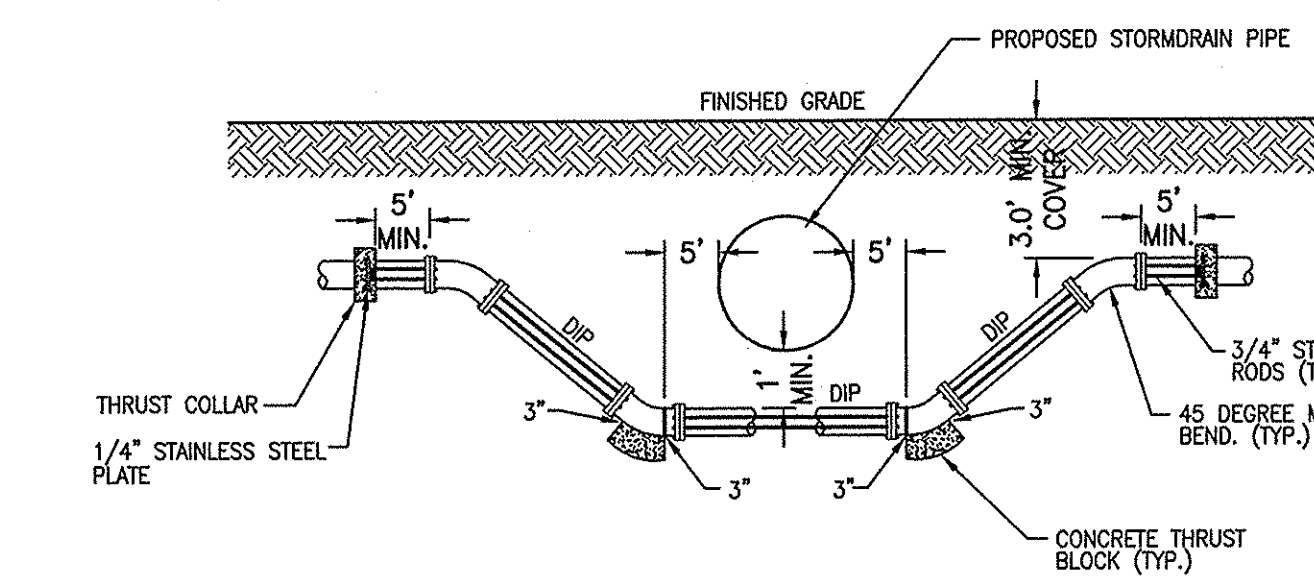
2" WATER SERVICE TAP AND 2" METER



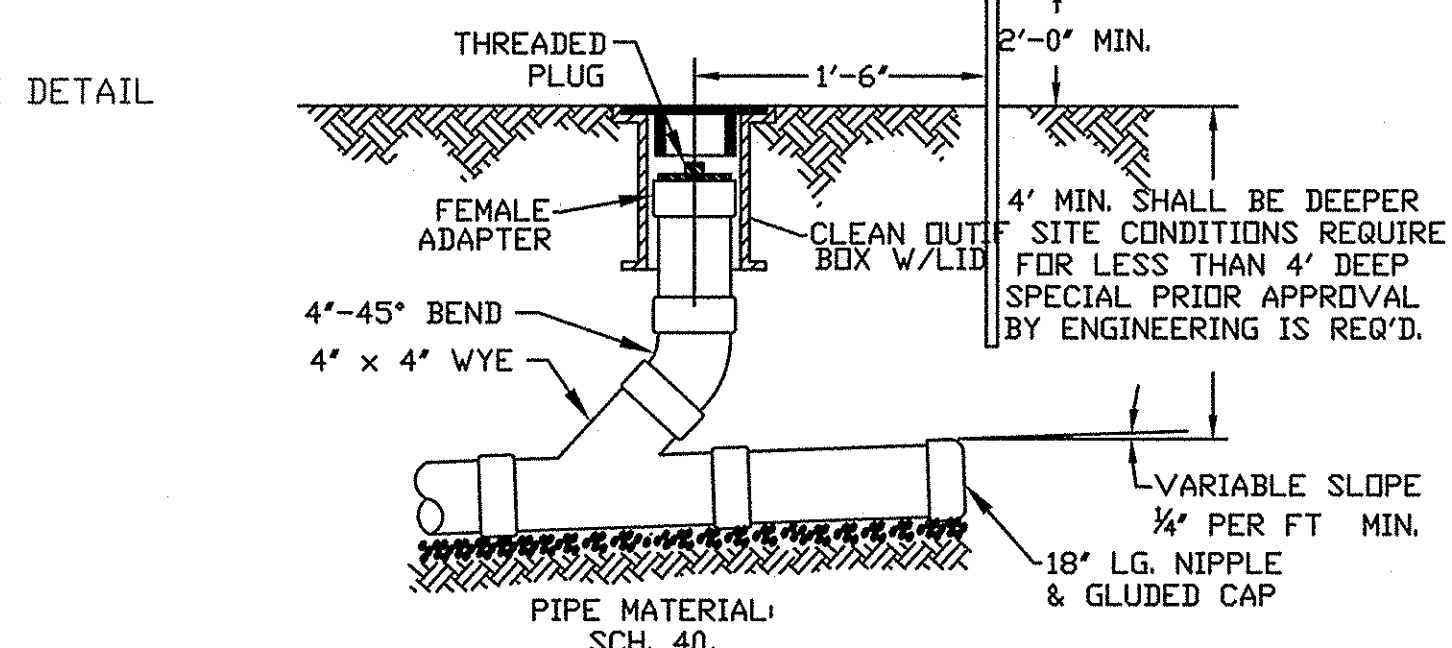
DOUBLE CHECK VALVE ASSEMBLY INSTALLATION INDOOR INSTALLATION SD 4-23



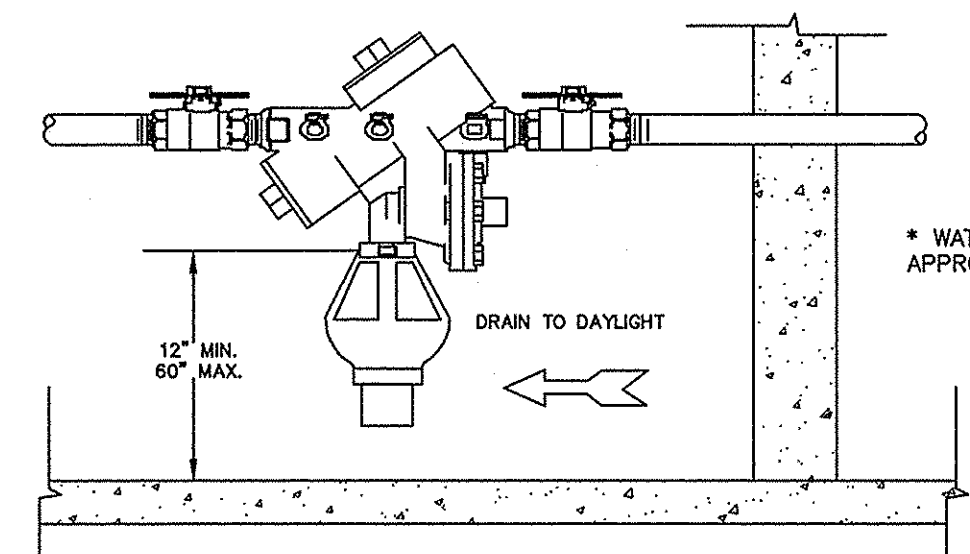
SANITARY SEWER AND STORMDRAIN INTERSECTION N.T.S.



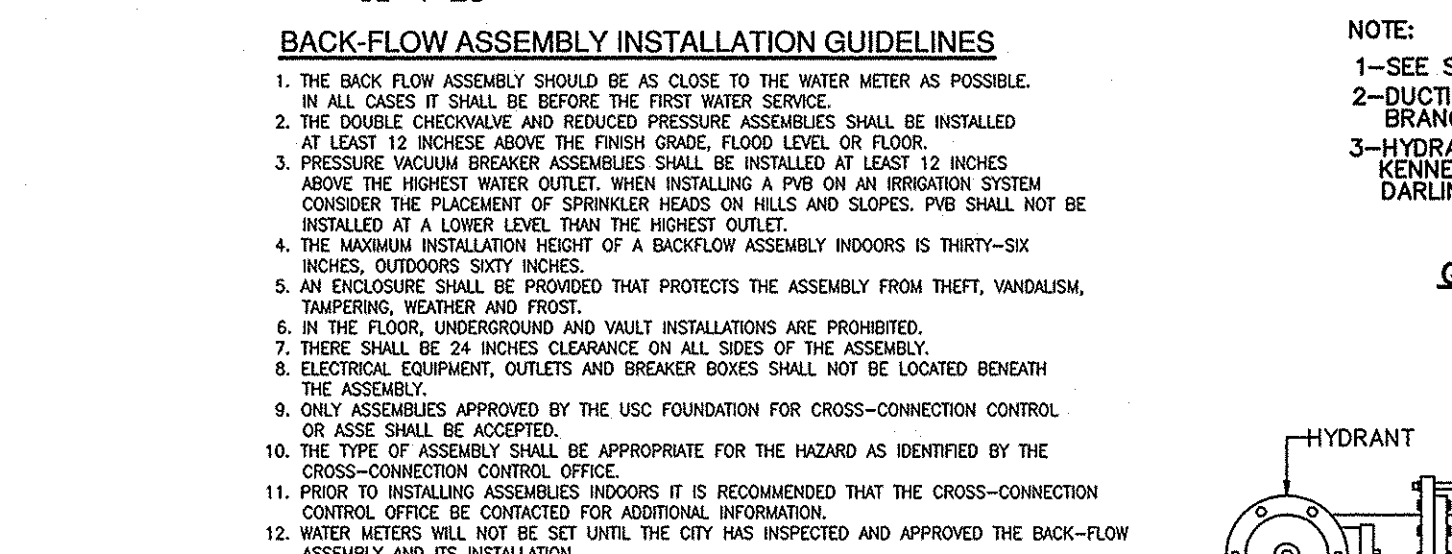
TYPICAL STORMDRAIN PIPE CROSSING WATERMAIN N.T.S.



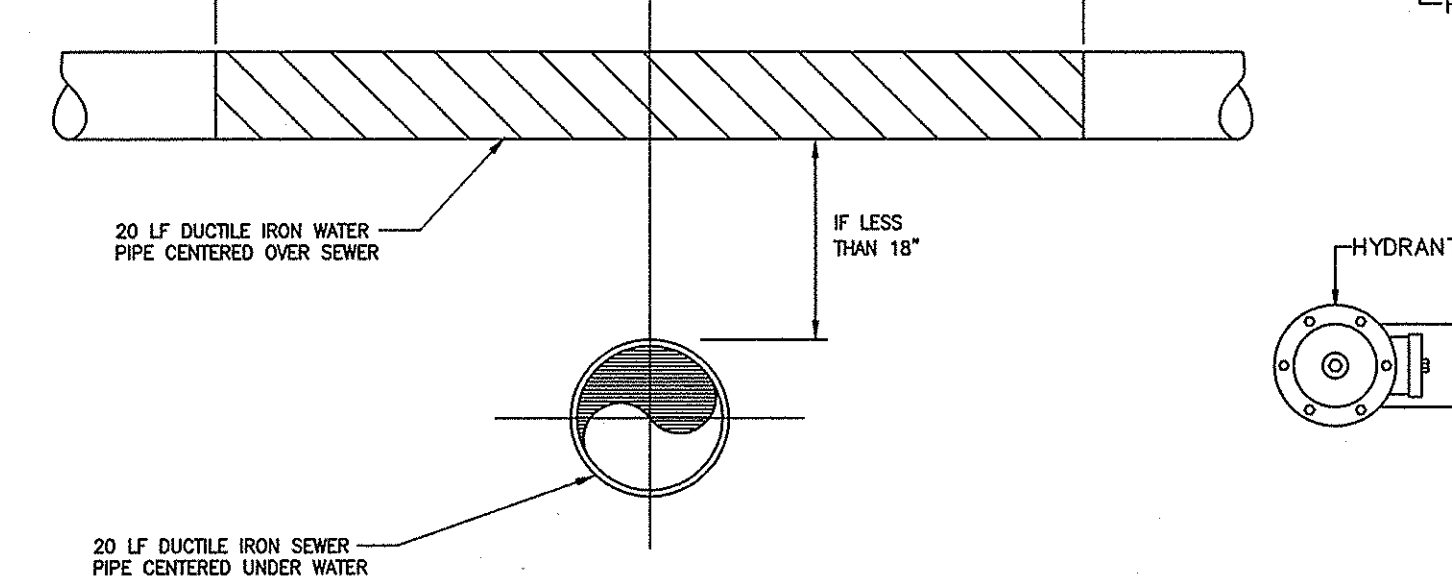
SERVICE CONNECTION & CLEAN-OUT NOT TO SCALE



REDUCED PRESSURE PRINCIPLE ASSEMBLY-INDOOR HORIZONTAL INSTALLATION SD 4-25



WATER & SANITARY SEWER INTERSECTION N.T.S.

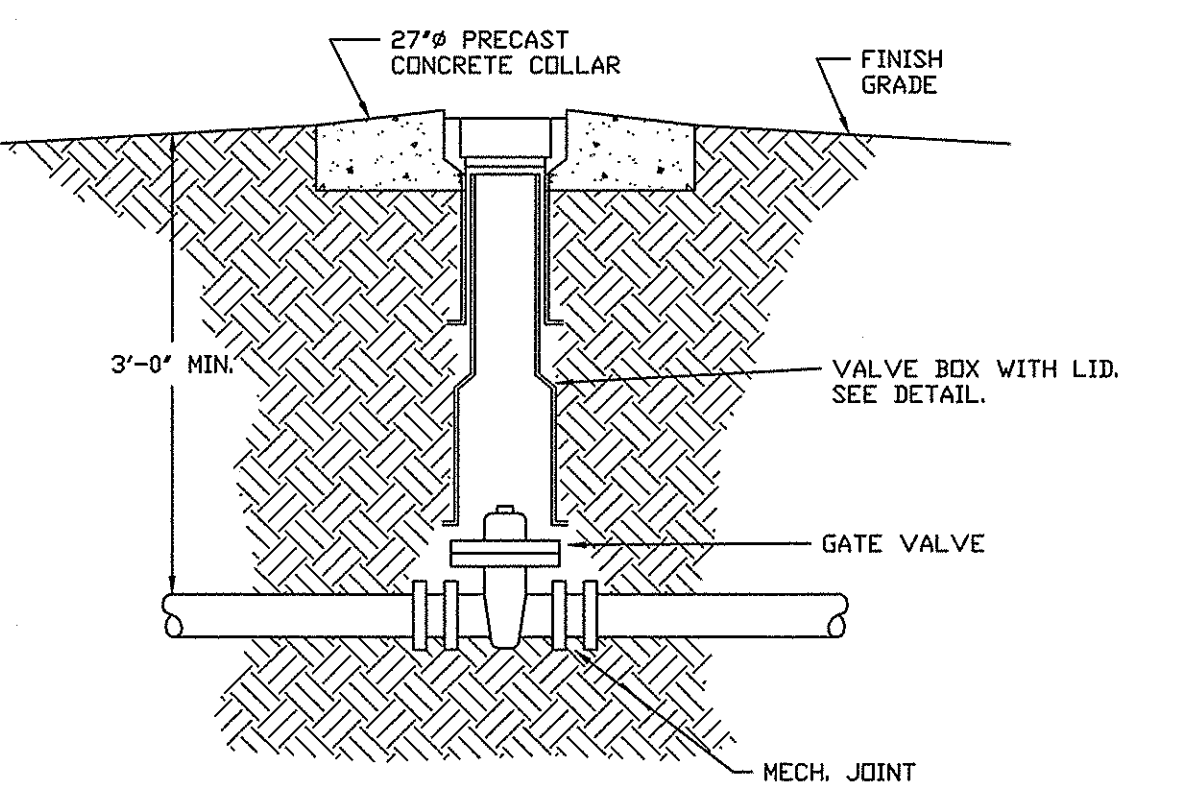


GUIDELINES FOR HYDRANT JOINT RESTRAINT SD 4-02

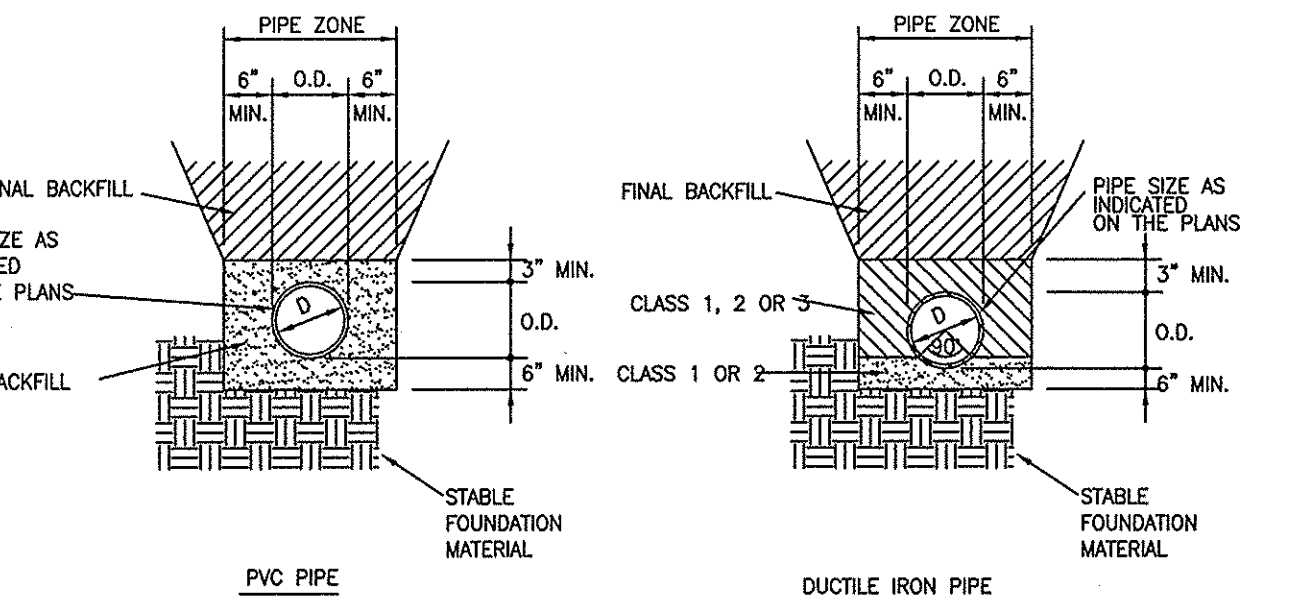
SIZE	90° BENDS		45° BENDS		22 1/2° BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	16"	10"	9"	10"	8"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"
12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
14"	35"	24"	18"	24"	12"	20"	22"	27"	18"	48"
16"	38"	27"	21"	27"	12"	24"	24"	30"	20"	54"

NOTE: Based on 1.5 x working pressure of 100 PSI plus AWWA Water Hammer.
All bedding surfaces to be confined to undisturbed ground.

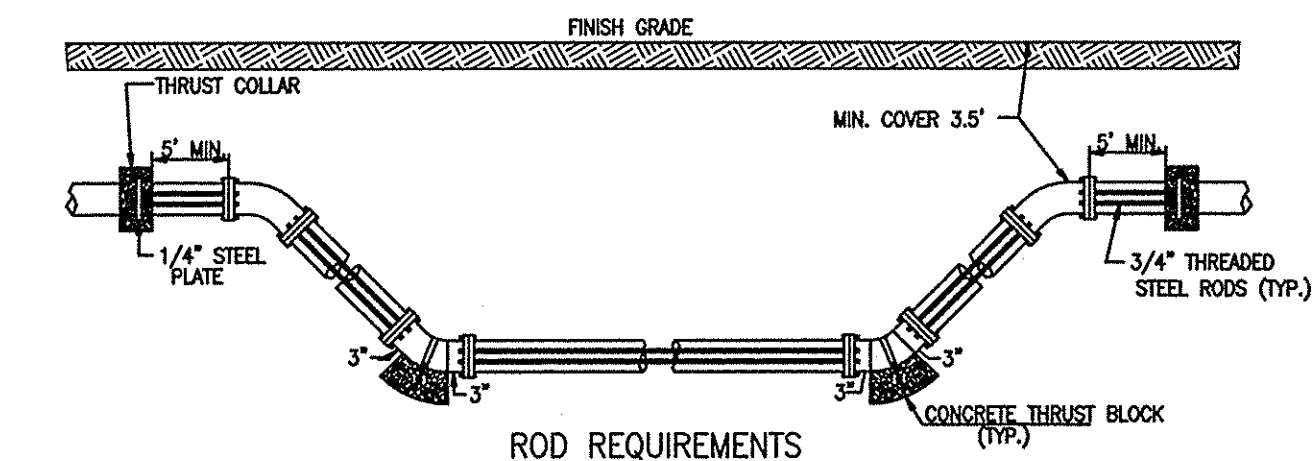
STANDARD THRUST BLOCK FOR WATER MAINS NTS



STANDARD GATE VALVE SD 4-15 NOT TO SCALE



PIPE BEDDING DETAILS

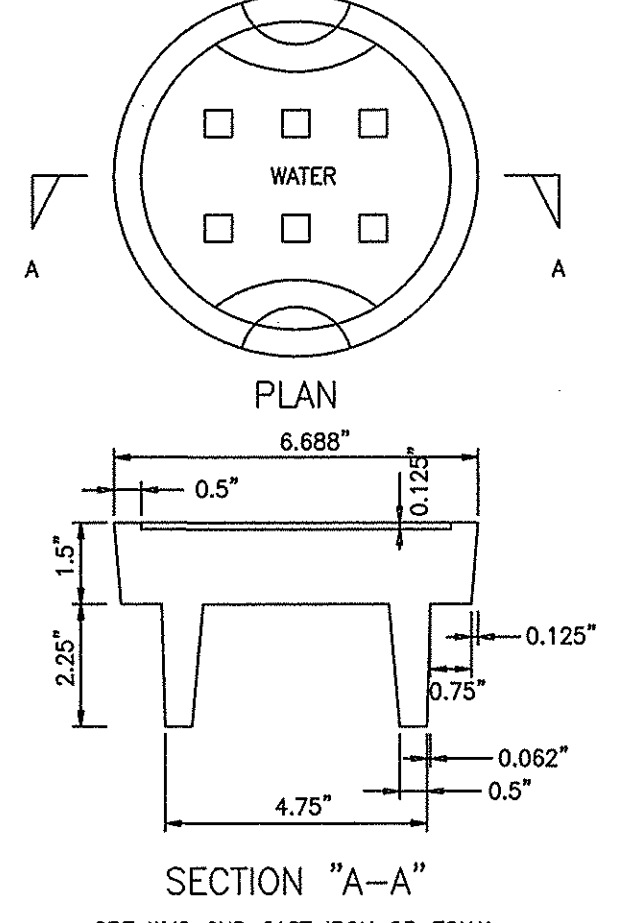


ROD REQUIREMENTS

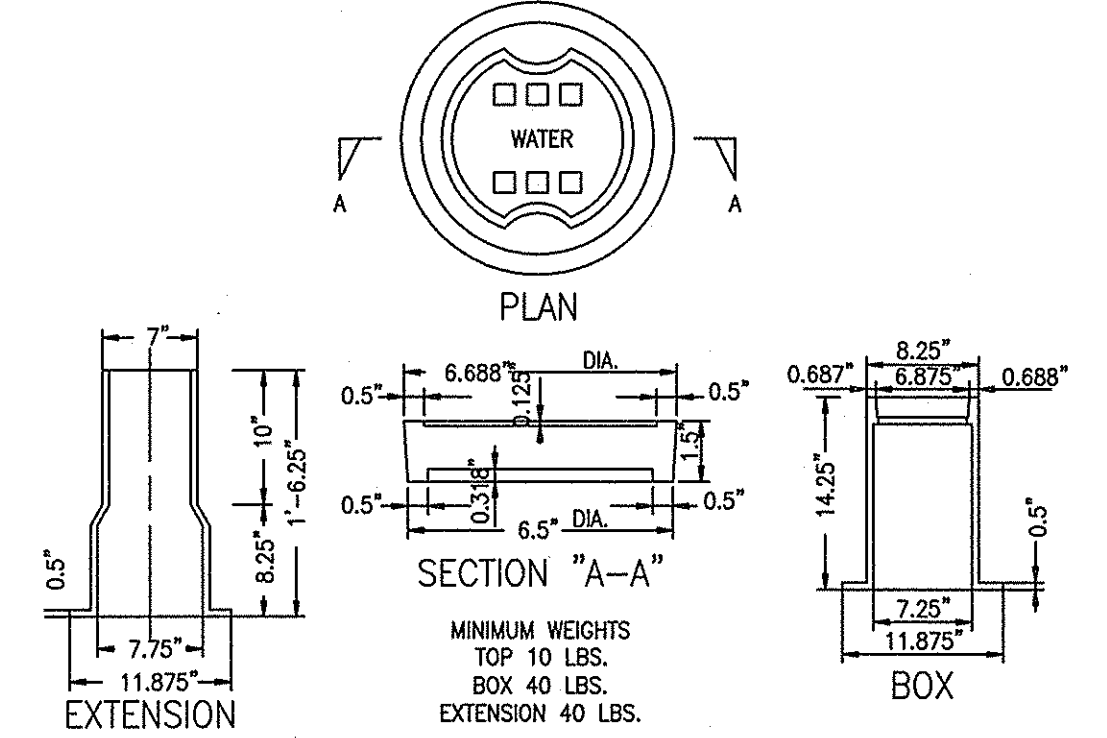
SIZE OF 45 DEGREE BEND	STATIC THRUST IN POUNDS	NUMBER OF RODS REQUIRED
6"	4,328	2
8"	7,694	2
12"	17,312	2
16"	30,779	4
20"	48,091	6
24"	69,252	8

GENERAL NOTES:
1. ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL BE COATED WITH 2 COATS OF BITUMINOUS BASE PAINT.
2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.
3. TYPICAL MIN. CLEARANCE BETWEEN CONCRETE AND END OF BOLT MUST BE 3".
4. APPROVED OFFSETS CAN BE USED IN THIS APPLICATION.

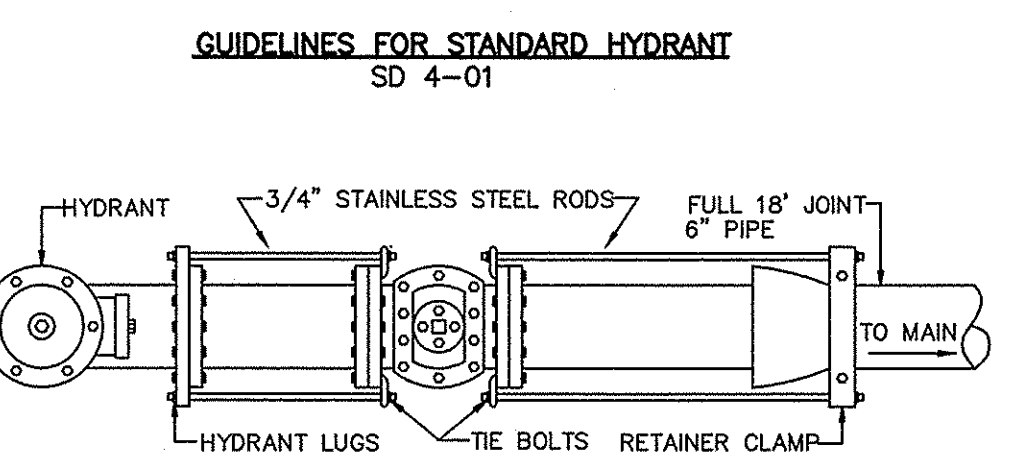
STANDARD VERTICAL BEND NTS



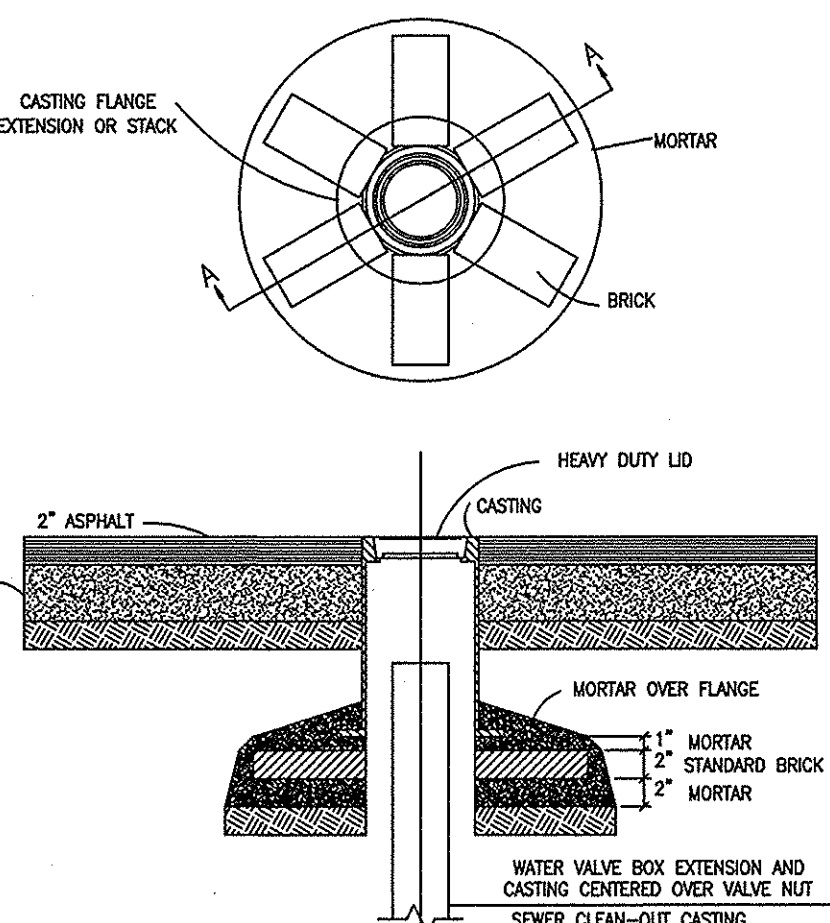
HEAVY DUTY VALVE BOX LID NTS (TRAFFIC AREAS)



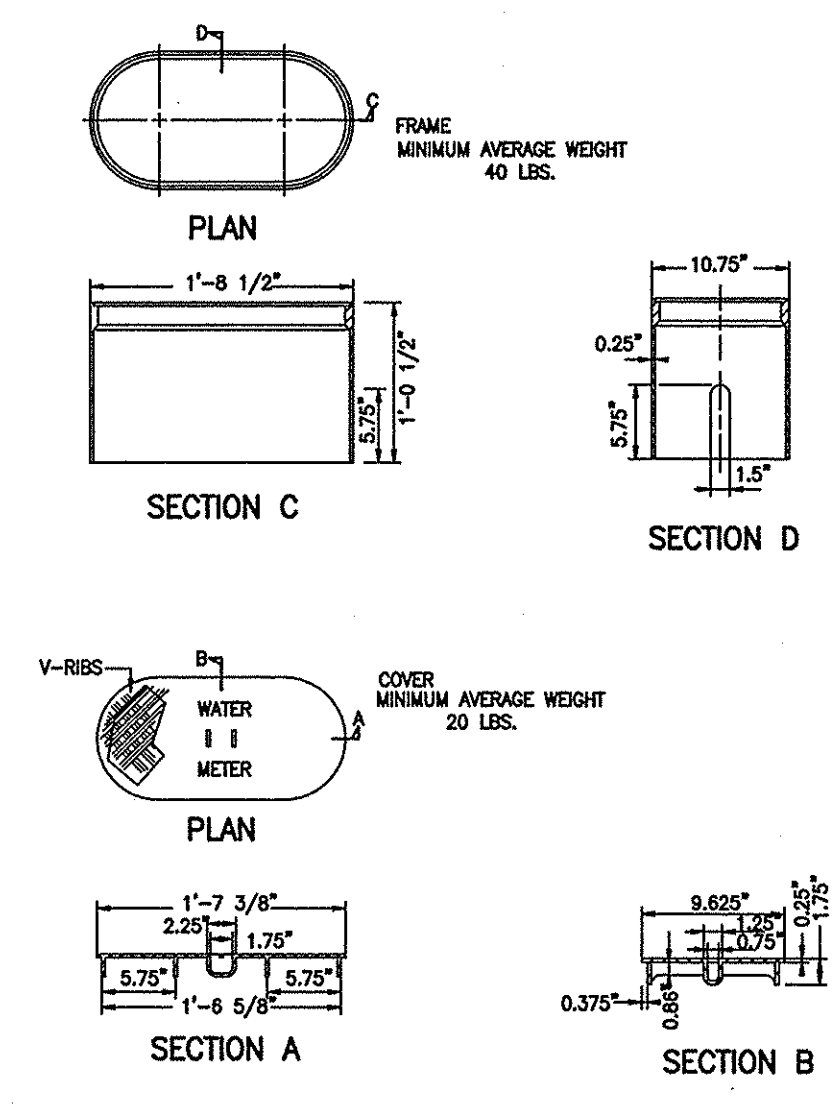
WATER VALVE CASTING FOR NON-TRAFFIC AREAS. NTS



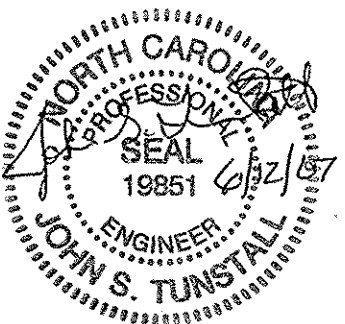
GUIDELINES FOR HYDRANT JOINT RESTRAINT SD 4-02



VALVE BOX AND CLEAN-OUT CASTING BASES NTS



WATER METER BOX NTS



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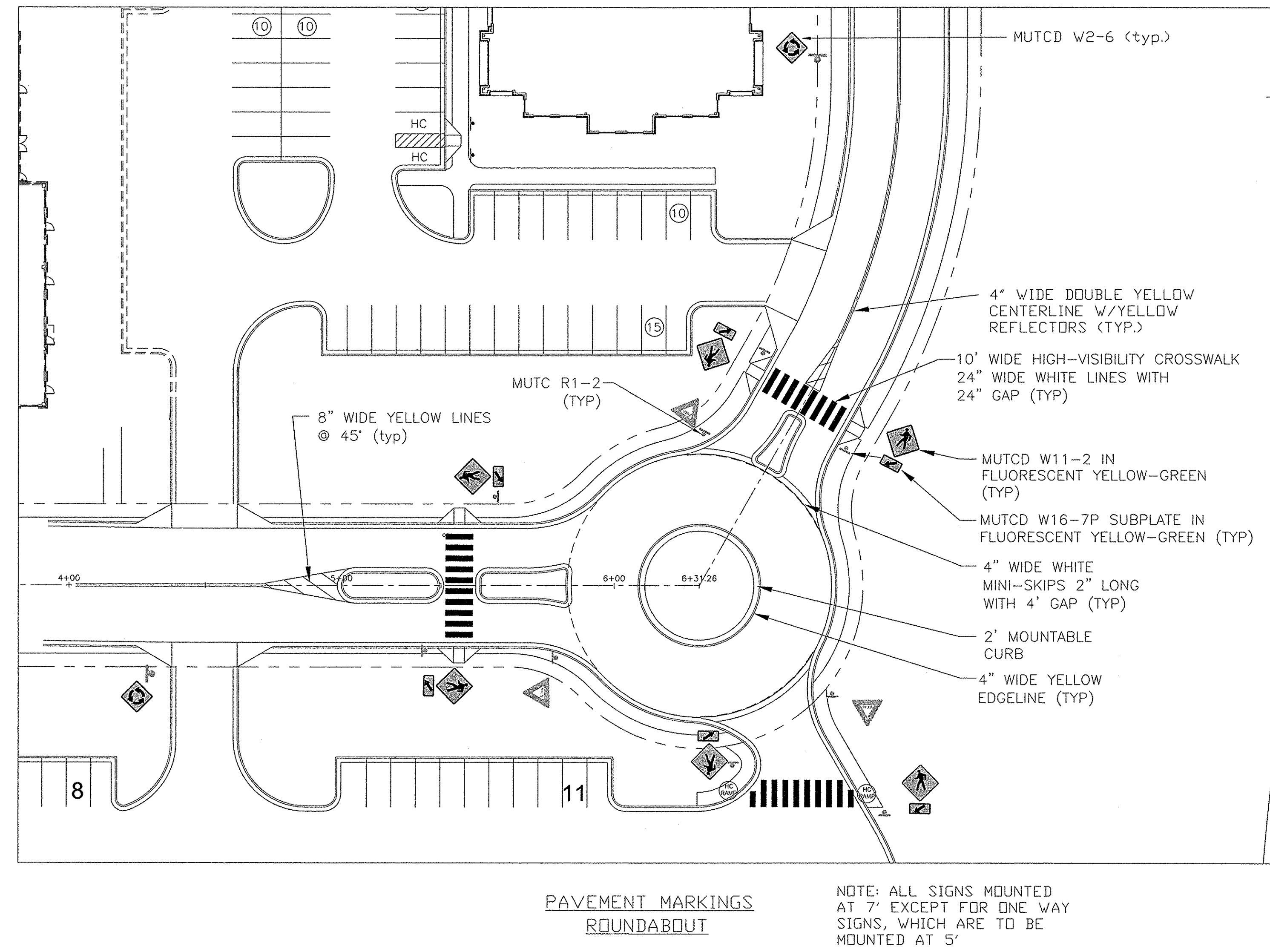
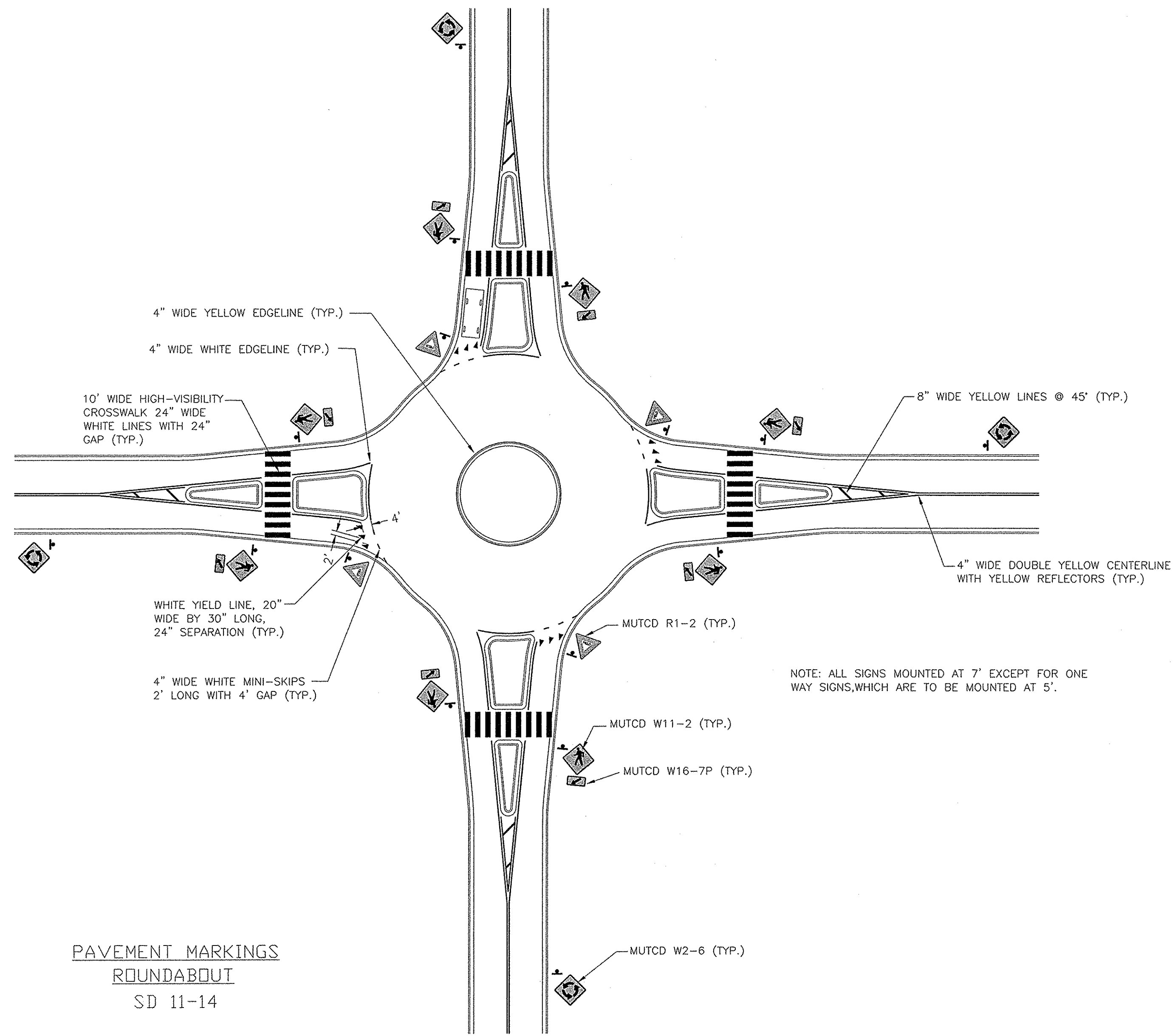
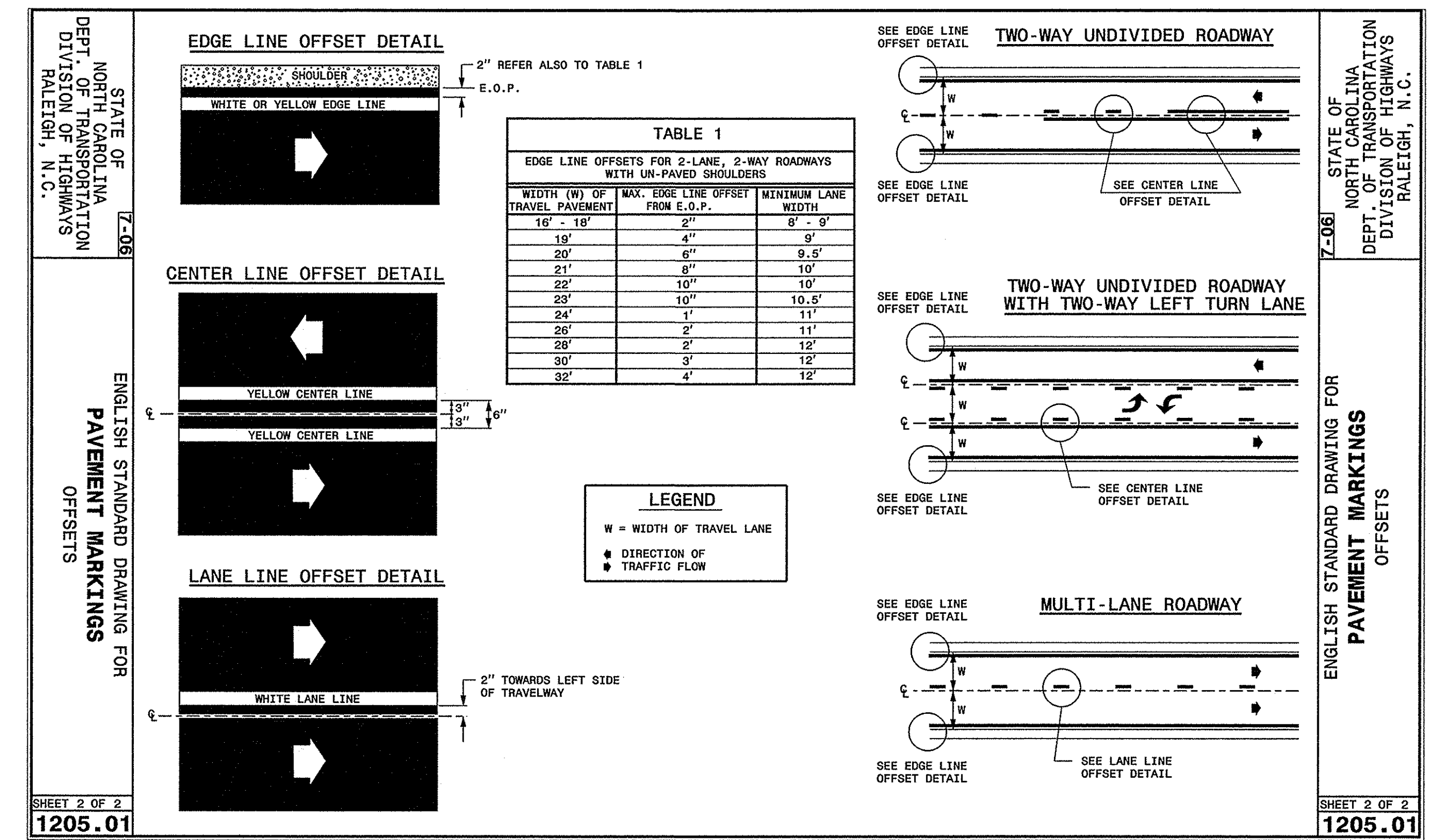
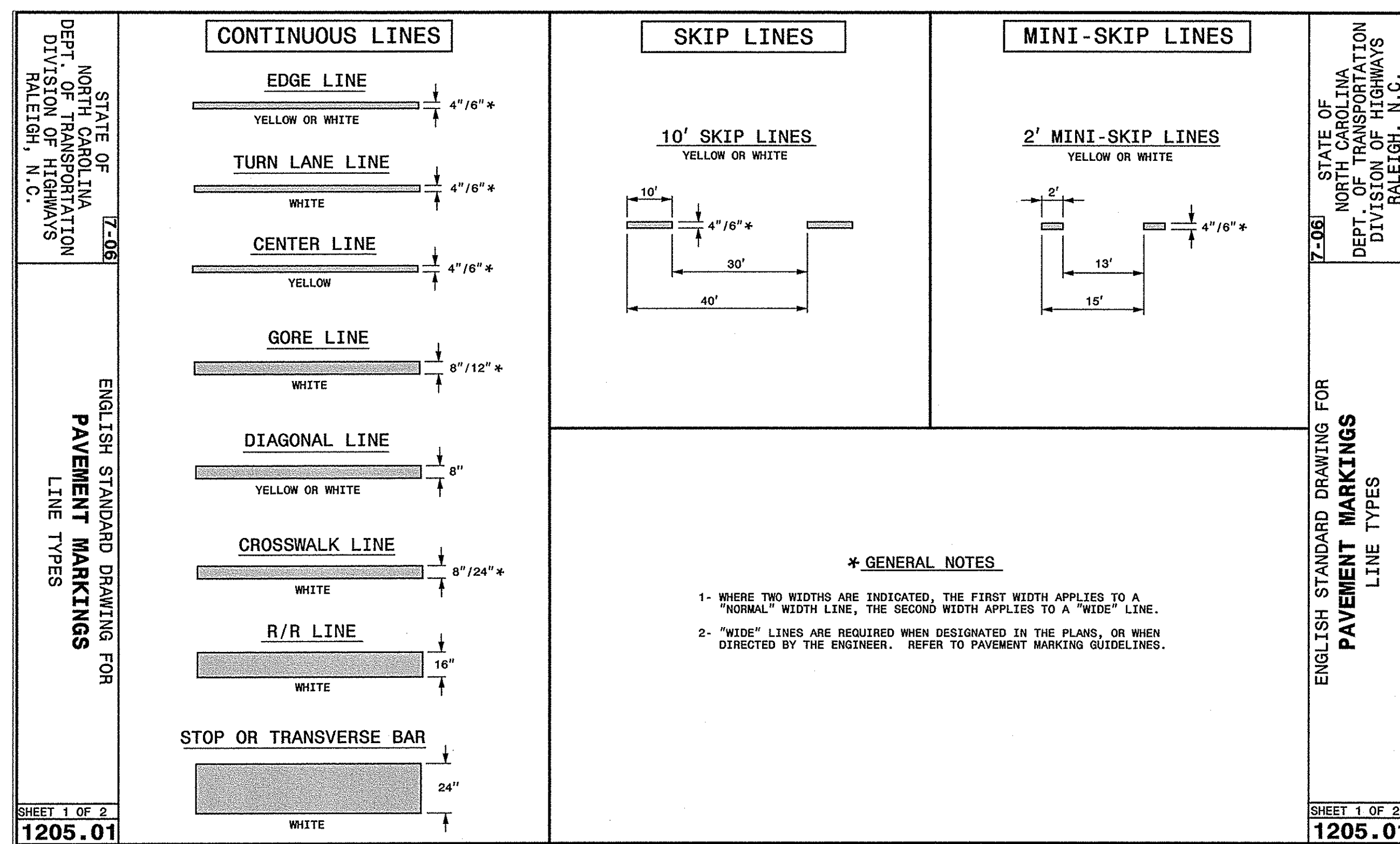
REVISIONS:
03/27/07 ISSUED FOR BUILDING PERMIT
REVISION 1 ISSUED FOR CONSTRUCTION

PROJECT: 7102-061840
DATE: 05/14/07
DRAWN BY: NKS
CHECKED BY: JST

NOTES
AND DETAILS

C7
NKT.#07024

SOLUTIONS THROUGH LISTENING
SERVICE BY DESIGN

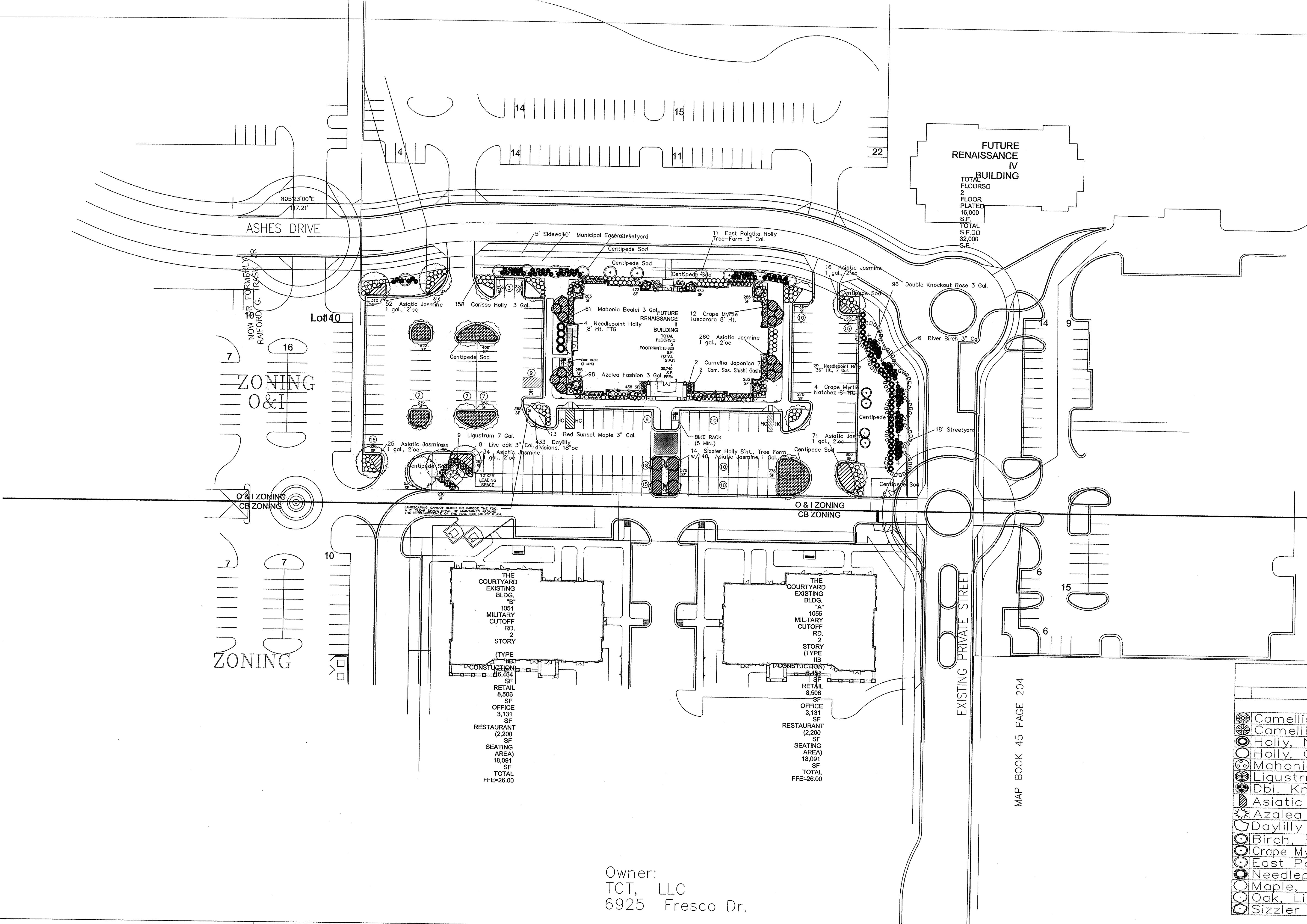


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SITE DATA TABLE	
USE:	OFFICE
SITE AREA:	3.19 ACRES (137,436 SF) X 15' = 47 Trees 2" Cal. Req'd.
ACCESS EASEMENT WITHIN SITE:	80 ACRES (34,718 SF)
PARCEL ID#:	805100-003-005-000
MAP ID#:	315706.49.8929.000
DISBURSED AREA:	
ZONING:	O & I-1
CANA LAND USE:	RESOURCE PROTECTION
BUILDING SETBACKS (REQUIRED):	FRONT SETBACK: 20'
	INTERIOR SIDE SETBACK: 10'
	CORNER SIDE SETBACK: 20'
	REAR SETBACKS: 20'
MAX. LOT COVERAGE:	40%
PROPOSED LOT COVERAGE:	11%
MAX. BUILDING HEIGHT:	42'
BUILDING CONSTRUCTION TYPE:	HB
BUILDING:	
BUILDING HEIGHT:	43' (2 STORY)
BUILDING SQUARE FOOTAGE:	30,740 SF TOTAL (16,370 PER FLOOR)
PARKING REQ'D: OFFICE:	200/SF MAX, 300/SF MIN
TOTAL PARKING REQ'D:	154 MAX/102 MIN, REQUIRED
PROPOSED PARKING PROVD:	146 (INCLUDES 5 HC)
PROPOSED IMPERVIOUS AREA:	
BUILDING:	15,825 SF (ROOF AREA)
ASPHALT, CURB & GUTTER:	51,678 SF
SEWER/SLIC:	4,150 SF
TOTAL:	71,653 SF
EXISTING IMPERVIOUS AREA WITHIN ACCESS EASEMENTS:	25,000 SF
TOTAL IMPERVIOUS AREA:	96,653 SF
% SITE IMPERVIOUS AREA:	70%
AREA WITHIN NEW R/W:	46,000 SF
IMPERVIOUS AREA WITHIN NEW R/W:	38,635 SF
LANDSCAPING:	
FOUNDATION PLANTINGS (12%):	
FRONT: 45' X 150' X 12' = 842 SF REQ'D.	876 SF PROVIDED
SIDE: (2) 45' X 104' X 12' = 862 SF REQ'D.	500 (2) SF PROVIDED
REAR: 42' X 156' X 12' = 842 SF REQ'D.	948 SF PROVIDED
TOTAL REQUIRED=2,546 SF TOTAL PROVIDED=2,324 SF	
LANDSCAPING REQ'D INTERIOR:	
ASPHALT, CONCRETE CURB & GUTTER:	51,678 SF
14% REQUIRED:	
(14%) X (51,678) = 7,235 SF	
STREET/ING LANDSCAPING:	
Primary: Proposed Public r/w Fresco 8816 SF PROVIDED	
18' MULTIPLYER	
(84) X (24) X 18' = 3,506 SF	
Secondary: Ashes Dr.	
7' MULTIPLYER	
(45) X (47) X 9' = 3,427 SF	

Using the creative standard portion of the code, 50% of the streetyard is covered in trees and shrubs. Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees. No construction workers, tools, materials or vehicles are permitted within the tree protection fencing.

Landscaping shall be complete before issuance of a C.O.



Common Name	Size	Qty
Camellia Sasanqua Shishi	7 Gal	2
Camellia Japonica	7 Gal	2
Holly, Needlepoint	7 Gal	29
Holly, Carissa	3 Gal	158
Mahonia Bealei	3 Gal	61
Ligustrum	7 Gal	9
Dbi. Knockout Rose	3 Gal	96
Asiatic Jasmine	1 Gal	598
Azalea Fashion	3 Gal	98
Daylilly	Div.	433
Birch, River	3"	6
Crape Myrtle, 4 Natchez	12"	6
East Palatka Holly, Tree-Form	3" Cal.	11
Needlepoint Holly	8'ht	4
Maple, Red Sunset	3"	13
Oak, Live	3"	8
Sizzler Holly, Multi- Stem	8'ht	14

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Owner:
TCT, LLC
6925 Fresco Dr.

Revision #:
Date: 3/19/2007

Scale:

Landscape Plan:
Renaissance II

Landscape Design by: James Freeman - NCLC #408
Freeman Landscape, Inc.

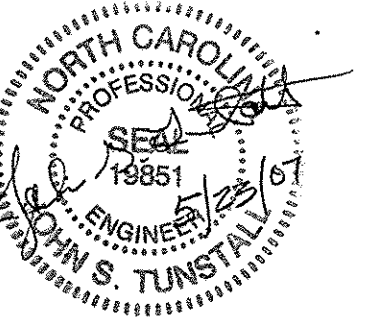
**RENAISSANCE II
OFFICE
BUILDING**
6925 FRESCO DRIVE
WILMINGTON, N.C.

**NORRIS, KUSKE & TUNSTALL
CONSULTING ENGINEERS, INC.**

902 MARKET STREET
WILMINGTON, NC, 28401
PHONE (910) 343-9653
FAX (910) 343-9604
office@nkteng.com
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LS3P ASSOCIATES LTD.
2528 INDEPENDENCE BLVD., SUITE 200
WILMINGTON, NORTH CAROLINA 28412
TEL. 910.790.9901 FAX 910.790.3111
WWW.LS3P.COM



OWNER:
TCT OF WILMINGTON, LLC
1123 MILITARY CUTOFF RD.
WILMINGTON, N.C. 28405
(910) 256-7704

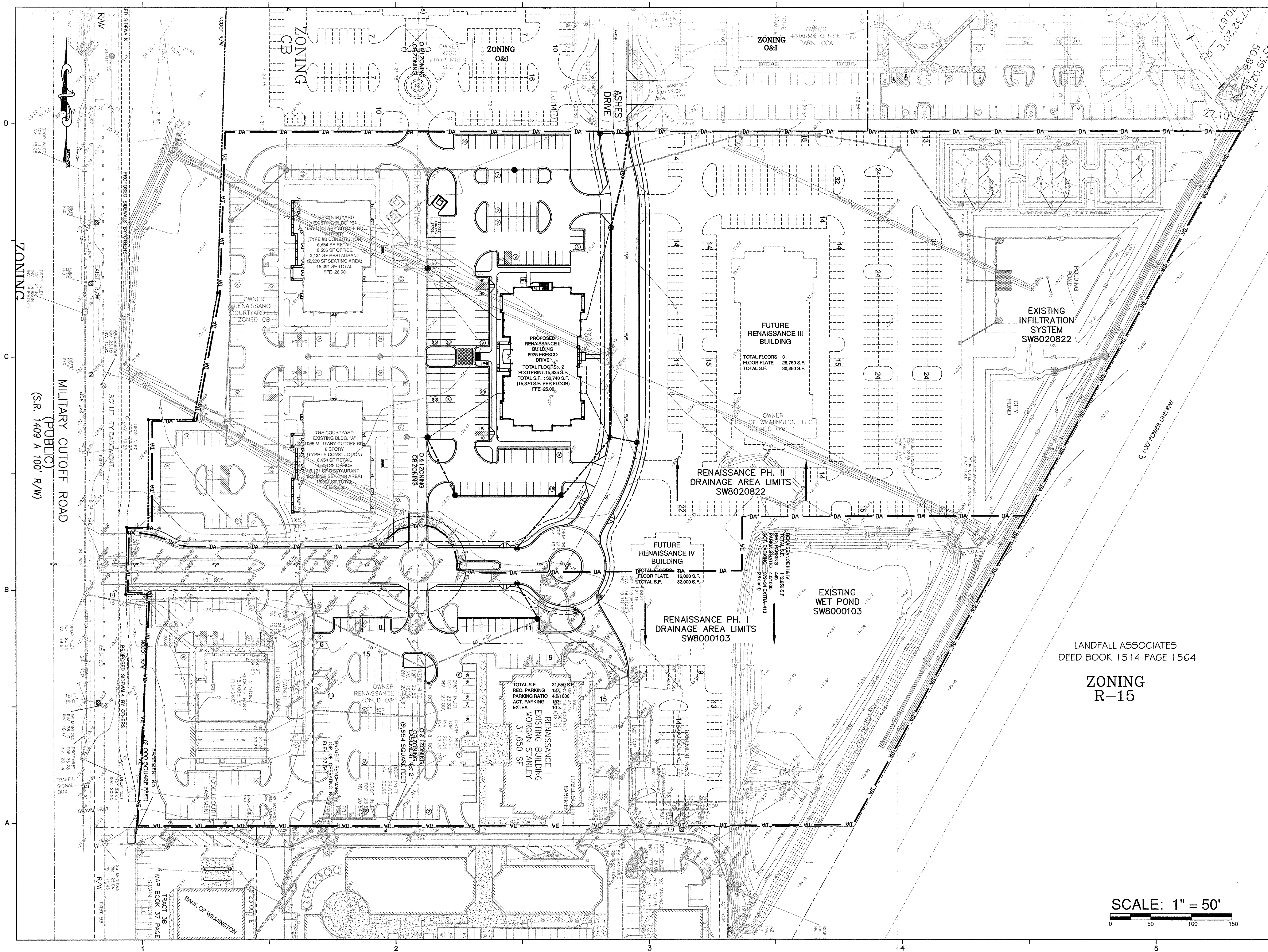
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PROJECT: 7102-061840
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DRAINAGE AREA
D1
NKT.#07024

SOLUTIONS THROUGH LISTENING
SERVICE BY DESIGN



LANDFALL ASSOCIATES
DEED BOOK 1514 PAGE 1564
**ZONING
R-15**

SCALE: 1" = 50'
0 50 100 150

MILITARY CUTOFF ROAD
(PUBLIC)
(S.R. 1409 A 100' R/W)

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