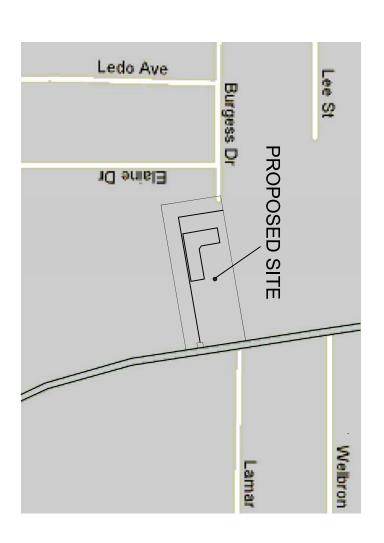
XXX COMMERCIAL DEVELOPMENT



OWNER.

ENGINEER:

CONTACT INFORMATION

PROJECT INFORMATION

1.1.07 ACREAGE: 223 AC TOTAL
DISTURBED AREA. 149 AC
AREA APPLICABLE FOR APPES FEES = 1,48 AC.
AREA APPLICABLE FOR APPES FEES = 1,88 AC.
APPROPSED IMPERVIOUS AREA. 1,198 AC / 223 AC = 53.53%
MAXIMUM LOT COVERAGE 60%

PROPERTY IS ZONED
"C-1" COMMERCIAL DISTRICT

TOPOGRAPHIC SURVEY PROVIDED BY

4. THIS DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF A 10780 S.F. RETAIL FACILITY, DRIVEWAY ENTRANCE, ASSOCIATED PARKING AND DETENTION POND. THE EXISTING SITE IS 100% PERVIOUS.

5. ALL MATERIAL AND METHODS OF CONSTRUCTION SHALL COMPLY WITH DERVAIS COUNTY REDUIREMENTS AND STRADARDS.

8. NO PORTION OF THIS SITE IS LOCATED IN A FEMA SPECIAL FLOOD HAZARD AREA. PER FEMA FIRM PAWEL 13886/0151H. EFFECTIVE MAY 7. Z001.

7. THERE ARE NO WETLANDS LOCATED ON THIS SITE

8. THERE ARE NO STATE WATERS LOCATED ON THIS SITE. THIS SITE DOES NOT ENCROACH UPON ANY STATE WATER BUFFER ZONE AND IS NOT LOCATED WITHIN 25" OF ANY STATE WATERS.

9 ALL FIRE UNITS ARE TO BE INSPECTED BY FIRE SERVICES PRIOR TO COVERING. TO SCHEDULE INSPECTIONS. CALL 404.294.2348.

10.NOTIFY WATER AND SEWER INSPECTOR AT 404.508.3843 PRIOR TO START OF CONSTRUCTION.

NOTEFY AT 770.493.2040 BEFORE STARTING CONSTRUCTION

12. THE OWNER SHALL BE RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY IMPROVEMENTS WITHIN THE SANITARY SEWER EASEMENT DUE TO MAINTENANCE OF SEWERS BY COUNTY.

LIST OF DRAWINGS

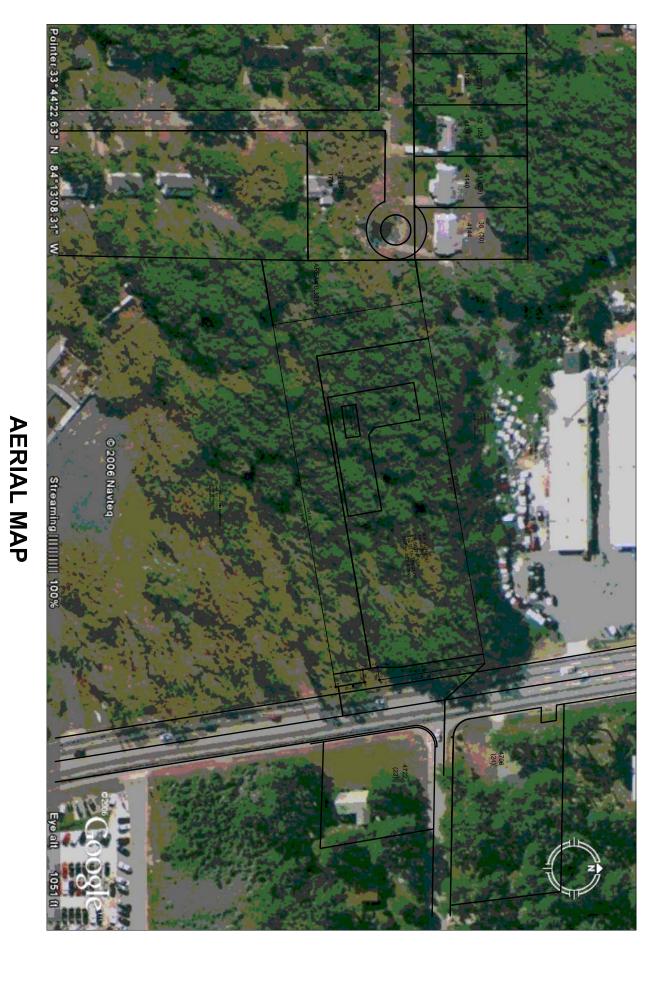
- COVER SHEET
 AERIAL
 SITE PLAN
 DRAINAGE PLAN
 UTILITY PLAN

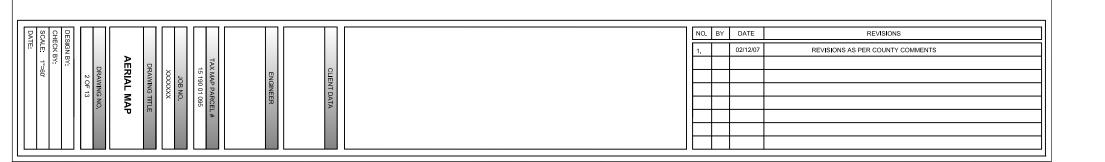
- 6. E&S PLAN
 7. E&S DETAIL SHEET
 8. LANDSCAPE PLAN
 9. LANDSCAPE DETAILS
 10. LIGHTING LAYOUT
 11. DETAIL SHEET-1
- **DETAIL SHEET-2**
- **DETAIL SHEET-3**

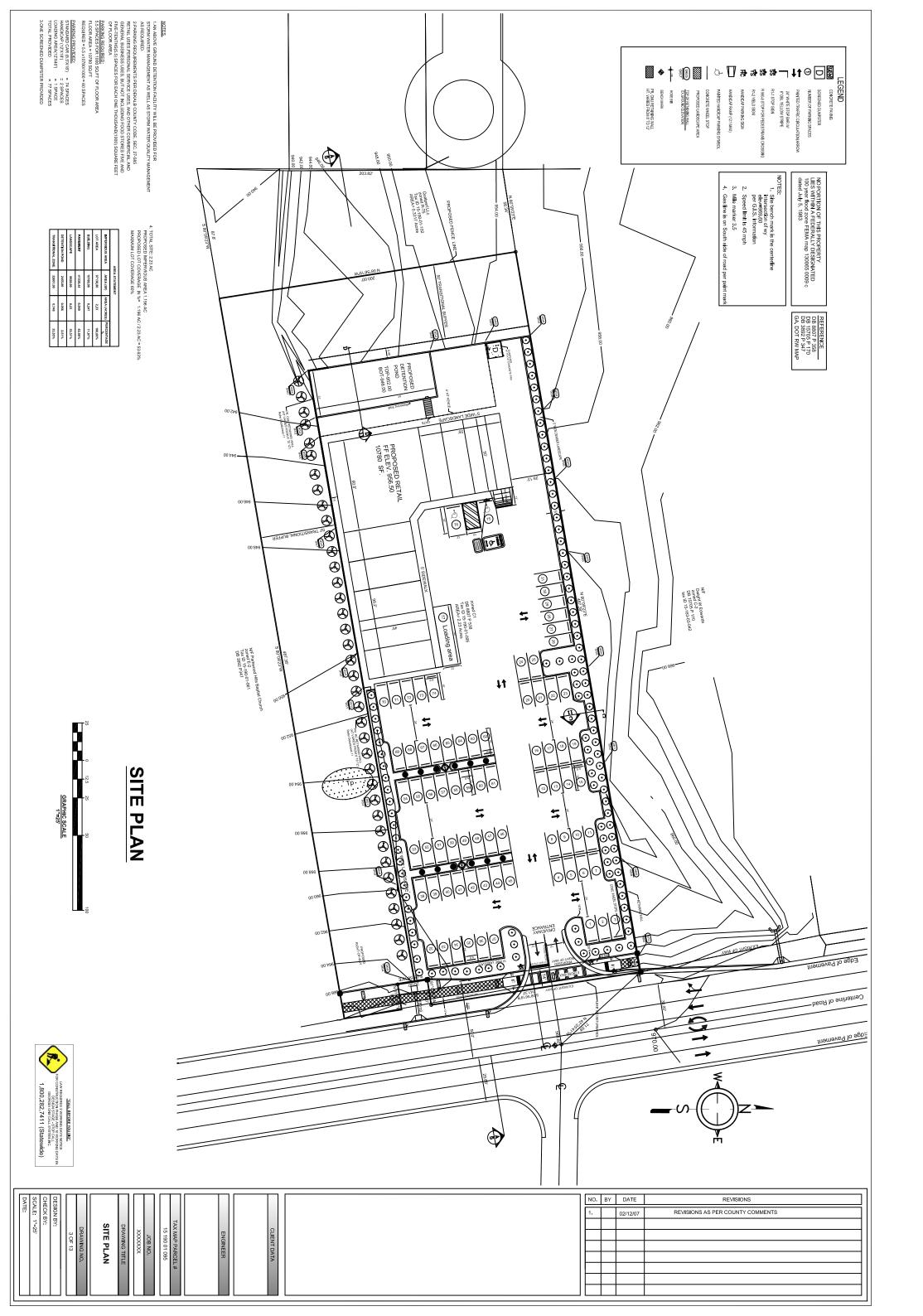


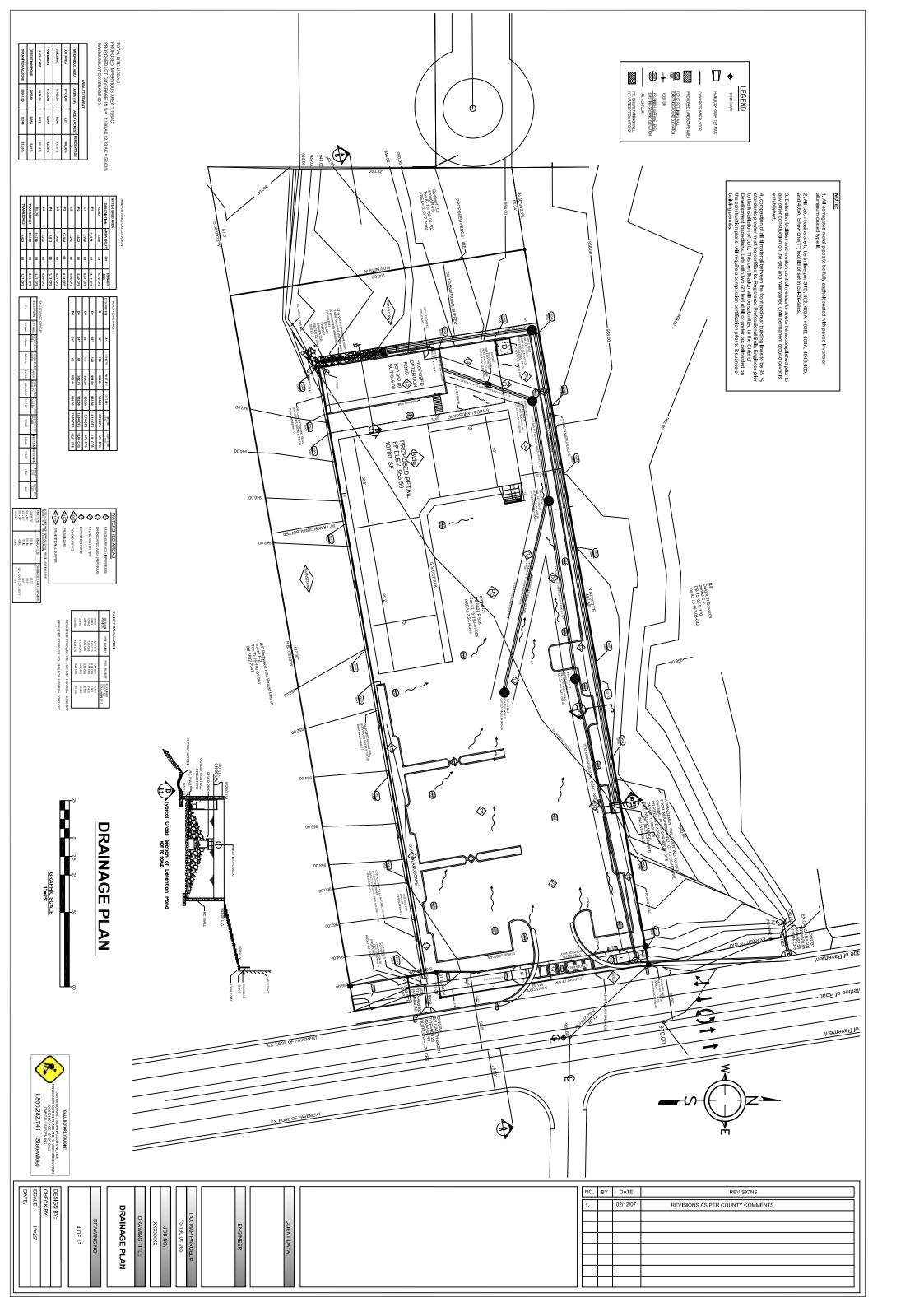
COVER SHEET

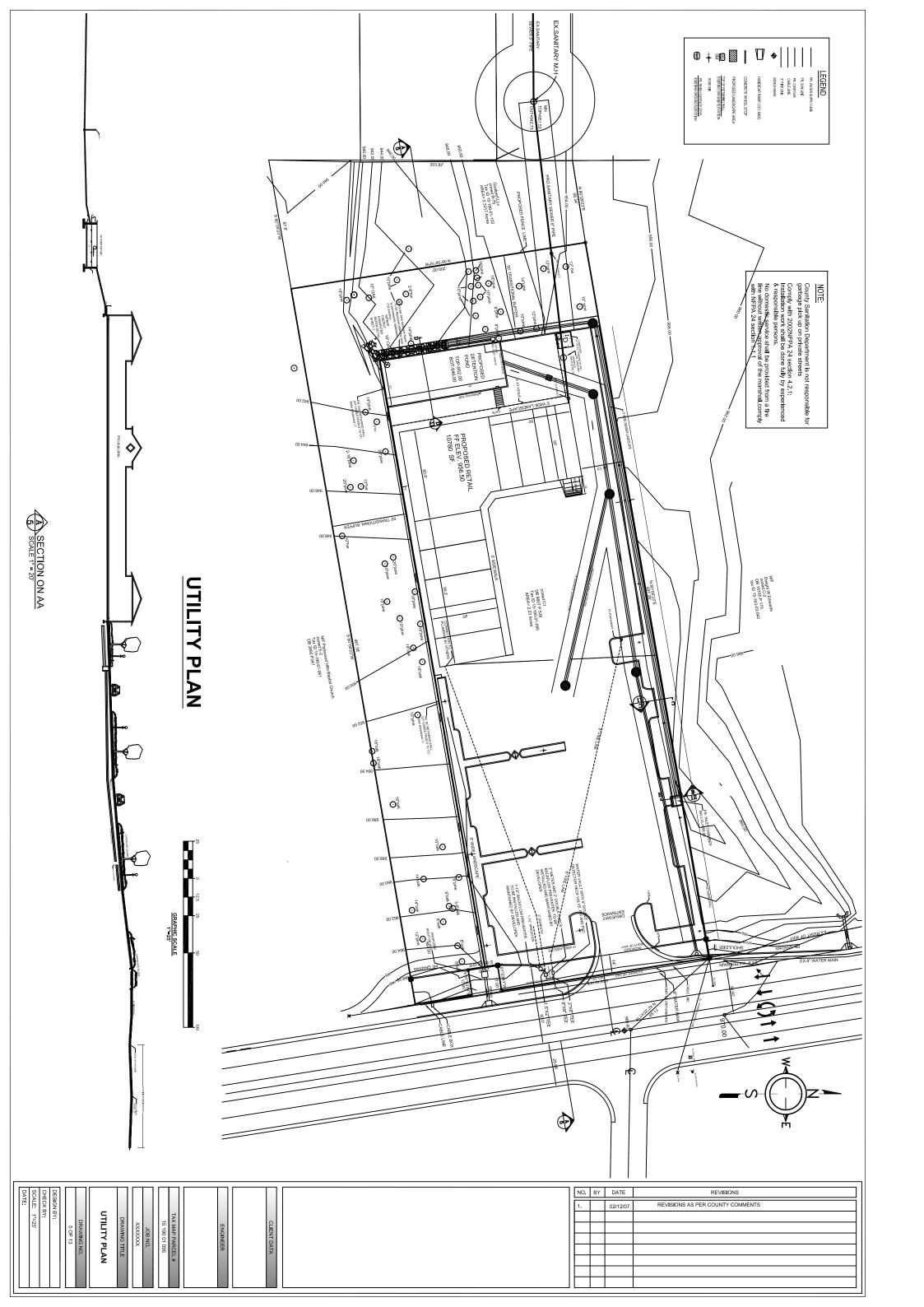
		NO.	BY	DATE	REVISIONS
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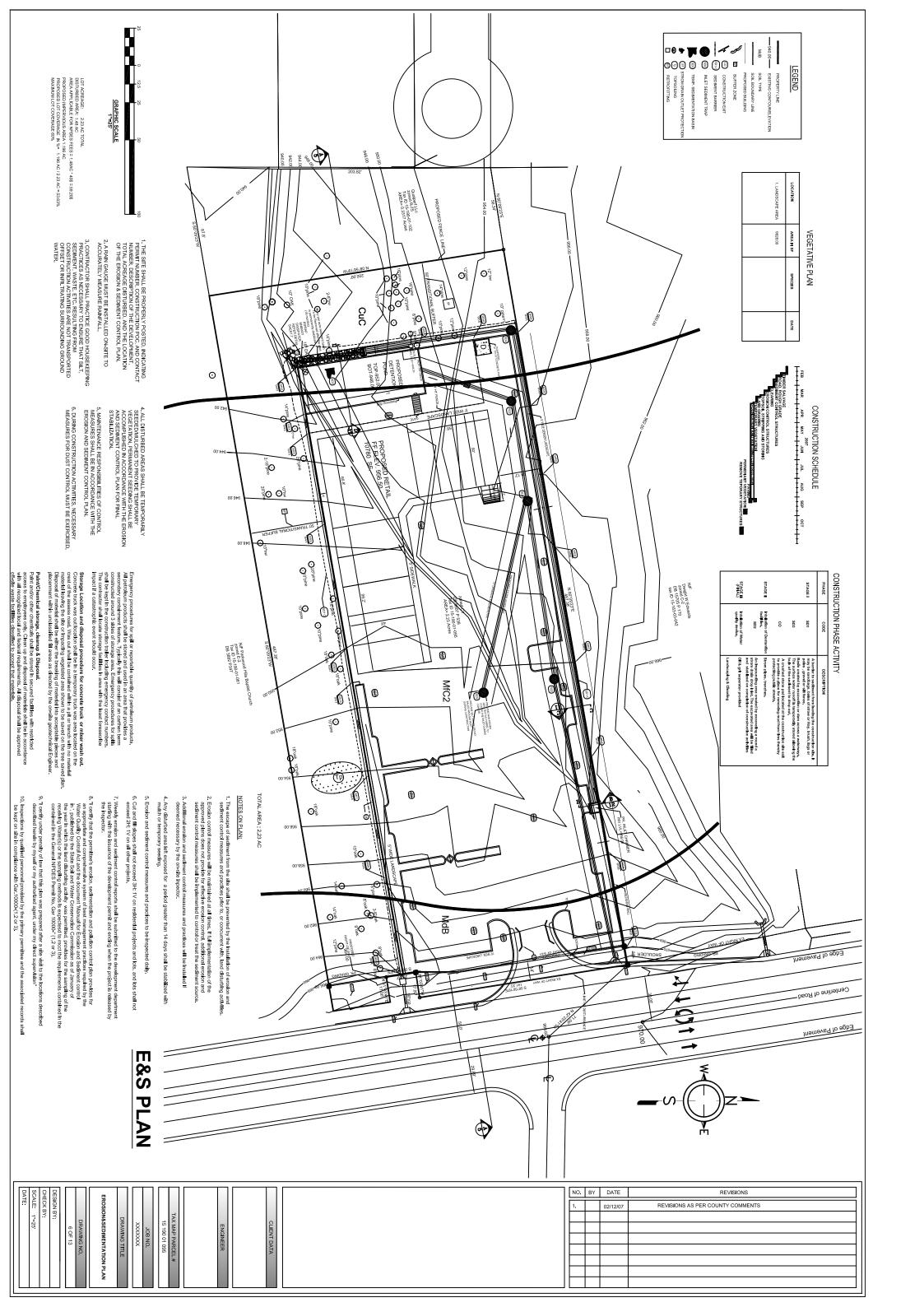


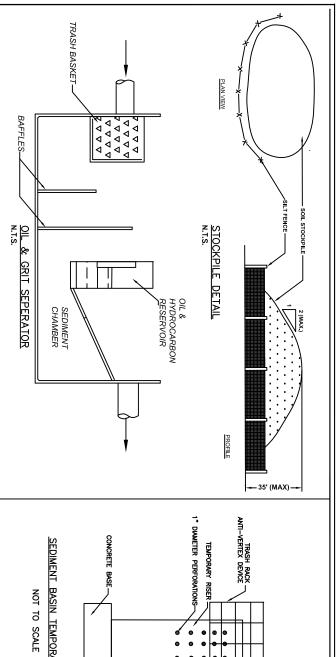


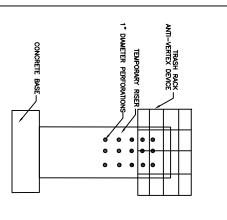




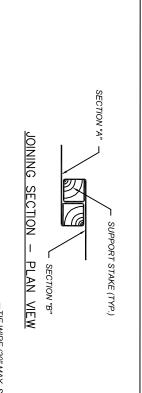


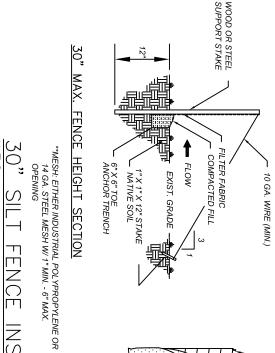






SEDIMENT BASIN TEMPORARY RISER



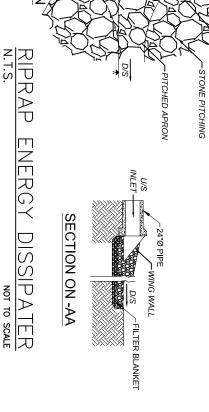


TIE WIRE (30" MAX. SPACING)

/MESH SUPPORT ** SECTION "A" ISOMETRIC VIEW ─ SECTION "B" - CLASS 3 - GEOTEXTILE — SECTION "A"

30" SILT FENCE INSTALLATION NOT TO SCALE

WING WALL



15" Ø PIPE / WS
24" Ø PIPE / R

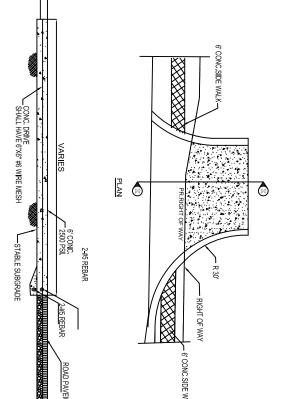
STONE SIZE LENGTH THICKNESS WIDTH WASHING CONSTRUCTION SPECIFICATIONS

SNATION SIZE NO. 1. USE CRUSHED STONE ;, BUT NOT LESS THAN 50 FEET.

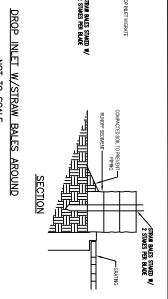
WIDTH OF ALL POINTS OF NIGRESS OR EGRESS.
HEELS SHALL BE CLEANED TO REMOVE SEIDMENT PRIOR TO ENTRANCE
NEWLY. WHEN WASHING IS RECUIRED. IT SHALL BE DONE ON AN
NEWLY. WHEN WASHING IS REVENTED FROM ENTER ON AN
HEROSONE WHICH DRAINS INTO AN APPROVED SEIDMENT TRAP
ALL SEIDMENT SHALL BE PREVENTED FROM ENTERING ANY STORM
ALL SEIDMENT SHALL BE PREVENTED FROM ENTERNICA DEPARTS
OF SAND BAGS, GRAVEL, BOARDS OR OTHER

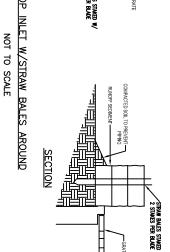
THE ENTRANCE SHALL BE MANITAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH AUDITIONAL STONE AS CONDITIONS DEMAND AND FEAR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

MAINTENANCE

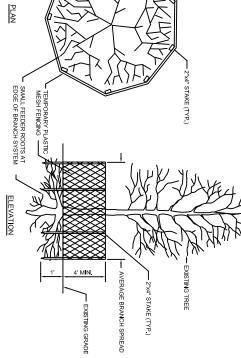


STABILIZED CONSTRUCTION ENTRANCE SECTION ON X-X NOT TO SCALE





GRATING



TREE PROTECTION FENCE
NTS. NOT TO SCALE

TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SEDIMENTATION CONTROL MEASURES NAT PROTECTION SHALL BE APPLIED, AS DEPLACED ON THE JULY TO DEFEY MAET WHICH WHICH WHICH APPLIED AS DEPLACED ON THE JULY TO DEFEY MAET WHICH WHICH WHICH APPLIED AS DEPLACED ON THE JULY TO DEPLACE A DEPLACED ON THE JULY TO DEPLACE ON THE JULY TO DEPLACED ON THE JULY TO DEPLACE ON THE JU

- SILT FENCES SHALL BE INSTALLED PERPENDICULAR TO SITE SLOPES DOWNSTREAM OF ALL AREAS TO BE DISTURBED BEFORE ANY DISTURBANCE BEGINS.
- STOCKPILED TOPSOIL MOUNDS SHALL BE STABILIZED BY AFFLYING TEMPORARY SEED AND A PERMETER SUT FENCE SHALL BE INSTALLED AROUND EACH MOUND. TEMPORARY SEEDING SHALL BE PER DRAWING NOTES.
- ALL STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS NEAR AS TOSSIBLE TO THE LOCATION SHOWN CAN THE PLAN. PRICKS TO FRAM. ROADWAY ZONSTRUCTION, THE AGERCAFTE SHALL BE REMOVED, AND THE ROADWAY PREPARED VAD INSTALLED ACCORDING TO SPECIFICATIONS.

EROSION AND SEDIMENTATION

CONTROL NARRATIVE

CONTROL NARRATIVE

CONTROL NARRATIVE

CONTROL SEMIMENTANIA DE ROSBO CONTROL PANIS TO ROSONES HE CONTROL PANIS TO ROSONES HE CONTROL PANIS TO RESIDENT SOR CONSTRUCTING ACCEPTANE REPRESENTANTANIAN AD RESPONDENCINES.

- ESTABLISH LOCATION OF PROPOSED BULLDING, DRIVEWAY, AND DRIVE BULLDING TO BE WITHIN BULLDING SETBACK LINES.

 IDENTIFY EXISTING DRAINAGE DIRECTION FOR THE UNDEVELOPED SITE INSTALL SEDMIENTATION AND EROSION CONTROL MEASURES.
- b) PLACE SILT FENCE SUCH THAT IT DOES NOT AFFECT ACCESS TO THE SITE AND CANNOT BE DAMAGED BY CONSTRUCTION EQUIPMENT. a) PLACE SILT FENCE ON PROPERTY PERPENDICULAR TO SLOPE TO PROTECT ANY STREAMS OR DRANANCE WAYS ON OR ADJACENT TO SITE FROM SEDIMENT ORIGINATING FROM CONSTRUCTION AREA.
- O PLACE STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE OF SITE.

 d) STRIP TOPSOL FROM AREAS TO BE DISTURBED AND STOCKPILE FOR LATER USE IN FINAL GRADING. TOPSOIL CONSISTS OF FRIMELE LOWN FOUND TO A DEPTH OF 4'4, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2" IN DIAMETER, WEEDS, ROOTS, OR OTHER DEBRIS.
- WITHIN TEN DAYS OF GRADING, SEED AREAS EXPECTED TO BE BARE FOR MORE THAN 20 DAYS WITH TEMPORARY SEED MIXTURE. ROUGH GRADE SITE TO PROPOSED GRADES AS SHOWN ON PLAN, REINSTALL SILT FENCE AS REQUIRED TO INTERCEPT ALL DRAINAGE AND RUNOFF.
- . FINAL GRADE. PROVIDE AT LEAST & TOPSOIL FOR AREAS TO BE SEEDED. SEED DISTURBED AREAS WITHIN 10 DAYS OF FINAL GRADING. SILT FENCE TO REMAIN UNTIL GROUND COVER IS ESTABLISHED ON DISTURSED AREAS.

MAINTENANCE OF FACILITIES

- C. LOCATRACTOS SANCL MERCET SALT FREE CHALL DE TAVACTO AS RECESSARY.

 C. LOCATRACTOS SANCL MERCET SALT FREE CHALL DE TAVACTO AS RECESSARY TO REMOVE SERVINE MERCHAN DE TAVACTO AS RECESSARY TO REMOVE SERVINE MERCANICA CONTROLLEMENT AND RESPONSE SERVINE MERCANICA CONTROLLEMENT AND REMOVE CRUSHED AGGREGATE BASE COURSE SHALL BE REPLACED IN DRIVEWAY AND PARKING AREAS IMMEDIATELY AFTER ROUGH GRADING OF AREA.
- MAINTENANCE

 UNIVERS THE LIFE OF THE PROJECT, ALL BENSION AND SERBIESTATION CONTROL

 DOIGN SHAPE OF THE PROJECT, ALL BENSION AND SERBIESTATION CONTROL

 DOIGN SHAPE OF RESISSAN CONTROL FACILITIES AFTER SCALAS ESPEN EVEN FOR MORE

 REPROJOCIO SAIS, MANDLANT, PERCONAL CHANT, FRANK AND SERLOCIONEMO OF A

 THE FOLITIES AN SHEDED, REGERACE, RESEED AND MILCH WASHED OUT AREAS AS

 THE FOLITIES AN SHEDED.

DED AREAS THAT HAVE WASHED AWAY SHALL BE FILLED AND GRADED, AS SESARY AND THEN RESEEDED, A STRAW COVER SHALL BE APPLIED TO RETAIN THE ALONG WITH ANA MEDVENING METHOD DESCRIBED ON THE ATTACHED MULCH FORING GUIDE, UNTIL IT HAS A CHANCE TO ROOT PROPERLY.

THE CONTRACTOR SHALL SCHEDULE AND COMPLICIT BY OPERATIONS TO MINIMIZE ROSION OF SOUR SHALL SCHEDULE AND COMPLICIT BY THE OPERATIONS OF STREAMS, RIVERS DRAINAGE SYSTEMS AND IMPOUNDMENTS (LAKES, RESERVOIRS, ETC.).

ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICAL OF DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS AND NOT A PART OF THE FINISHED WORK. TREQUENT INSPECTION SHALL BE MADE ON THE SILT FENCE. DAMAGED FENCES SHALL BE IMMEDIATELY REPLACED.

RIOR TO SUSPENSION OF CONSTRUCTION ACTIVITY IN ONE AREA FOR A PERIOD OF 10 DAYS OR MORE. THAT AREA WAICH HAS BEEN DISTURBED AND LEFT EXPOSED SHALL RECEIVE TEMPORARY STABILIZATION. CONSTRUCTION OF DRAMAGE FACILITIES. AND PERFORMANCE OF MOREY WHICH WILL CONTRIBUTE TO THE CONTRIBUTION OF BERCEN AND SERVICE MOTION SHALL BE CORRED TO IN IN CONJUNCTION WITH LEART MODREY OFERS AND IS SOON THERE AFTER AS TRANSCRIPED ALL THE AREA OF BASE SOIL EXPOSED AT ANY ONE TIME BY CONSTRUCTION DEPORTIONS SHALL BE KET! TO A MIRRIAND.

TOMA OF LIVE STREAMS WILL NOT BE PERMITTED. THEREFORE, TELPOPOWER DOES OR OTHER STRUCTURES SHALL BE USED WHEREVER AN APPRICABLE KUMBER STREAM GROSSINGS ARE RECESSARY. LURESS OTHERWISE APPROVED IN WINTING FIRE ENGINEERS, MECHANIZED EQUIPMENT SHALL NOT BE OPERATED IN LIVE FIME.

ALL APPLICABLE REGULATIONS OF FISH AND WILDLIFE AGENCIES AND STATUTES RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION SHALL BE COMPLIED WITHIN THE PERFORMANCE OF THE CONTRACT. MATS SLOTA AS FILES. LUBRICANTS. BITIAINOUS, RAW SEYMOE AND OTHER LIMITERALS SANLL HOTE ED EXCHANGED INTO OR FILES ROPERS, STREAMS AND MIGHTS OR INTO MATURAL OF MANIMOE CHANNELS LEADING THERETO, WASH DRIVINGTE FROM CONCRETE MIXING OPERATIONS SHALL NOT BE ALLOWED TO ME STREAMS.

, NITRACTOR SHALL NOT STOCKPILE EQUIPMENT, TOPSOIL, MATERIALS ETC. IN THERWISE UNDISTURBED LAWN AREAS, AND AREAS INDICATED FOR THE PRESERVATION : EXISTING VEGETATION.

PERMANENT STABILIZATION

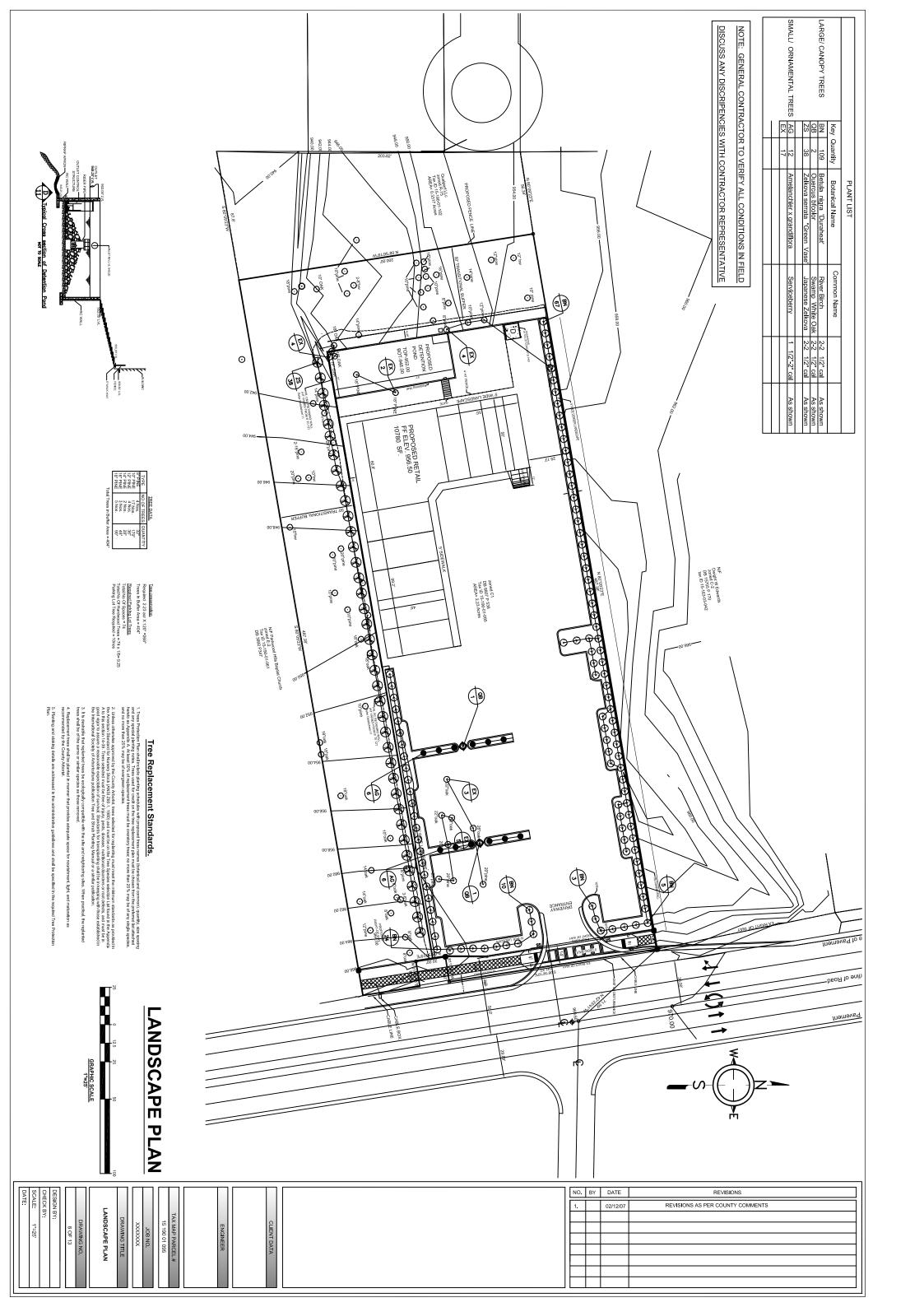
- RMANENT STABILIZATION OF ALL EXPOSED EARTH SURFACES AFTER THE COMPLETION THE SITE GRADING AND IMPROVEMENTS SHALL BE ACCOMPLISHED BY THE LLOWING METHODS AND MATERIALS.
- 1. APTER INSTALLATION OF THE NEEDED SURFACE WATER CONTROL MEASURES, PERFORM ALL COLLINEAL OPERATIONS AT RIGHT ANGLES TO THE SLOPE.

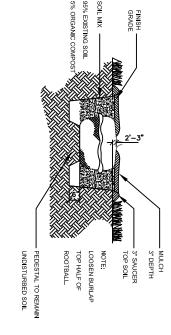
 2. APPLY LIME AT THE RATE OF THREE TONS GROUND LIMESTONE PER ACRE (137 LBS. PER 1,000 SOULARE FEET).
- SMOOTH AND FIRM SEEDED AREAS WITH CULTIPACKER, OR OTHER SIMILAR EQUIPMENT, PRIOR TO SEEDING. WORK IN FERTILIZER AT THE RATE OF 1,000 LBS OF 10-10-10 OR EQUIVALENT PER ACRE (25 LBS, PER 1,000 SQUARE FEET).
- APPLY SEED UNIFORMLY AT THE FOLLOWING RATES SHOWN ON THE TABLES. COVER GRASS SEEDS WITH 14 INCH OF TOPSOIL WITH SUTFABLE EQUIPMENT. APPLY STRAW MULCH AT A RATE OF 0.8 TON ACRE.
- 1. USE SOD WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IT IS MAPORTANT TO GET A QUICK VEGETATIVE COVER IN ORDER TO PREVENT GULX, USE SOD AT THE DIRECTION OF THE TOWNSHIP ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

EROSION&SEDIMENTATION DETAILS

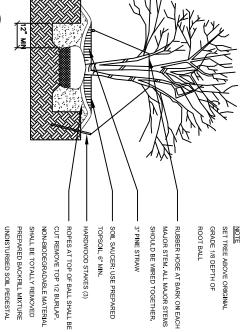
DRAWING NO.

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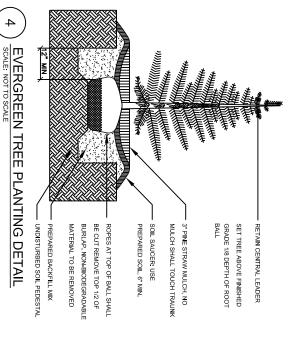


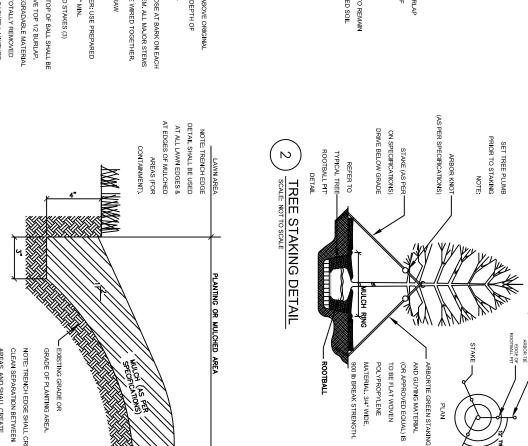


TREE ROOT BALL PIT DETAIL



3 ORNAMENTAL TREE PLANTING DETAIL





Ŋ TREE EDGER DETAIL CLEAN SEPARATION BETWEEN AREAS, AND SHALL CREATE INDICATED ON THE PLANS). SMOOTH & EVEN LINES (AS NOTE: TRENCH EDGE SHALL CREATE A GRADE OF PLANTING AREA. EXISTING GRADE OR

GENERAL PLANTING NOTES:

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS & DISEASES. ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED & BURLAPPED (B&B), OR AS INDICATED IN THE
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL-HEADED & MEET ALL REQUIREMENTS SPECIFIED. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT & THE OWNER BEFORE,

- DURING & AFTER INSTALLATION UNTIL THE DATE OF FINAL ACCEPTANCE.

 5. ALL FLESS MUST BE GUYED OR STAKED AS DETERMINED BY THE LANDSCAPE ARCHITECT.

 6. ALL PLANTS & PLANTING AREAS MUST BE COMPLETELY MULCHED AS PER DRAWINGS.

 7. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES & SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK.

 THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURITEMANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.

 8. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE DAMAGE REFORE DEFINING. THE WORK.

- PLANS BEFORE PRICING THE WORK.

 9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PLANTING (INCLUDING, BUT NOT IMPRED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF PLANTING AREAS & LAWINS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT & THE OWNER.

 10. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE GROWING SEASON, BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION OF THE OWNER).
- THROUGHOUT THE ONE YEAR GUARANTEE PERIOD UNLESS OTHERWISE DETERMINED.

 12. THE LANDSCAPE ARCHITECT WILL APPROVE THE STAKED LOCATION OF ALL MATERIAL PRIOR TO

4

- WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.

 14. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.

 15. STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK REPRESENT GUIDELINE SPECIFICATIONS ONLY AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2)

TREE PROTECTION

of trees as a part of land development in the county.

(2) The Dekalb County Board of Commissioners hereby finds that the preservation of existing trees is a public purpose that protects the public health, safety, general welfare and aesthetics of Dekalb County and all its citizens.

(3) The citizens of the county and their many communities enjoy many benefits that standards is to facilitate the preservation and/or replace

redly attributed to our trees.

produce oxygen, which is essential to the well being of all animal life, tumans.

PLAN

ncluding humans.

Trees help to reduce the anounts of airborne pollutants. For example, trees remarbon dioxide, that is a major environmental concern due to its current high levels.

Trees and their foliage intercept dust and particulate matter, thereby helping to purify our air and limiting health risks.

The sand their root systems reduce soil crosson and storm water runoff. This

ses sedimentation problems and improves water quality.

Trees provide food and shelter for desirable urban wildlife.

Trees provide screening, which in turns aids in the reduction of noise and glare.

Trees help moderate our air temperature to provide us with a comfortable

Trees provide scenic amenities to soften the harshness of city buildings and streets are aesthetically pleasing to all that view them.

Trees may affect property values and can have a positive impact upon the economy

Trees can enhance the natural functions of streams and related buffers.

Protect specimen and historical trees in a manner consistent with the DeKalb ounty Tree Protection Administrative Standards which shall be promulgated by the rector. The director shall maintain at list and map of these trees in the office of the rector through the assistance of the following offices:

DeKalb County Extension Service.

Fern bank Science Center.

Disk Ils Channer Great Consequences.

- ern bank Science Center.

 DeKalb Chapter, State Conservancy.
- State Forestry Commission.

 Provide standards for the preservation of trees as part of the land development

Prevent clear-cutting and mass grading of land that results in the loss of mature , and to ensure appropriate replanting when tree loss does occur. Protect trees during construction to enhance the quality of life in DeKalb Count Protect trees in construction of public facilities and utilities. of life in DeKalb County

(b) General applicability.
(1) The terms and provisions of the tree protection ordinance shall apply to all real property in DeKalb County except as otherwise provided in this section 14-39.
(2) The terms and provisions of the tree protection ordinance shall further apply to any residential or nonresidential development which requires the issuance of a land disturbance permit, development permit, or building permit, except as otherwise provided in this section 14-39.
(3) The terms and provisions of the tree protection ordinance shall also apply to development on any county-owned property, including property owned by county development on any county-owned property.

eterms and provisions of the tree protection ordinance shall also apply to tent on any county-owned property, including property owned by county boards, and authorities, except as otherwise provided in this section 14-39

j) a. The removal of five (5) or fewer trees, other than specimen trees, on any ingle-family residential property, within a single calendar year.
b. The removal of more than five (5) trees, other than specimen trees, from an ware-occupied, single-family lot may be approved by the county arborist if the owner must remove trees in order to build a newly permitted structure, or to build an addition or make improvements to an existing structure, or to improve the health of other trees of the land.

(2) Zonings conditioned to a specific site plan prior to adoption of the tree protection ordinance on February 9, 1999, provided that said zoning contains specific conditions for both tree preservation and tree replacement.
(3) The removal of frees found to be diseased or insect infested by the county extension service, the state forestry commission, a certified arborist, the county arborist

of a valid and complete application for a land disturbance permit or preiminary pical approval where said application has proceeded through and completed first round red line reviewe by the development department nor to commercial site plans that have been reviewed and red lined by the development department and which were received by the director prior February 9, 1999, provided that all time constraints relating to the permit issued shall be observed. not apply to any portion of a property included within the limits application for a land disturbance permit or preliminary plat

The requirements of this section 14-39 may be waived by the director for a land arbance permit which is to proceed with development of a larger project, at least any-five (75) percent of the land area of which has already received a permit or

permits initiating clearing or grading activities prior to February 9, 1999.

c. In no event shall any grandfathered project be extended for a permit or permit or leave (12) months from February 9, 1999.

d. The board of commissioners may grandfather a project not specifically covered under the foregoing subsections upon application of an applicant or owner of property, provided that an applicant can demonstrate that: 1) failure to grandfather the applicant's project will cause the applicant substantial economic hardship: 2) the proposed development activity will not substantially harm the public health, safety, aesthetics and welfare of the citizens of DeXalb County; 3) the proposed development activity is otherwise consistent with all pertinent development standards and is compatible with surrounding land uses; and 4) applicant has on file with the county on the effective date of this article an application for a building permit, land disturbance permit or preliminary plat review or has submitted construction plans for development department eview. Incomplete application by an applicant for whom the department of public works did not have on file an application for a building permit, land disturbance permit precised for however. ss did not have on file an application for a building permit, land disturbance permit minary plat review or construction plans on February 9, 1999, shall not be essed for hearing before the board. Such applications shall stand automatically

Upon submission of a written application by the applicant or owner for a hardship ver to the director, the board of commissioners shall, within twenty-one (21) days of spin of such application, schedule a public hearing. At said public hearing, the licent or owner and any other interested parties shall have the opportunity to be dwith regard to the application, and the board of commissioners shall render its with carried to the application, and the board of commissioners shall render its

the succeeding regularly scheduled meeting of the board of commissioners.

In the event a hardship warver is granted by the board of commissioners.

In the event a hardship warver is granted by the board, the applicant shall be required to comply with the vegetation protection ordinance in effect immediately prior to February 9, 1999. removal of trees from horticultural properties, such as farms, nurseries or his exemption shall not include tree harvesting, removal of any tree which has become, or threatens to

me, a danger to human life or property.
Agricultural activities on land zoned R-200.
Approved utility construction within permanent utility
Approved utility construction within permanent utility
ments.
Construction, expansion, and operation of county landfills

ding permits that do not require or authorize land disturbance. Itions. See section 14-1.

Iduras. (1) Application requirements.

plication conference. Prior to submission of an application for development, it is encouraged to meet with the county arborist to discuss the tree utiliance as it relates to the applications property. The purpose of the ion conference is to clarify the provisions and procedures of the tree redinance and review applicable standards and guidelines for the submittal of and required free protection, replacement, and maintenance measures.

In Proc. Except as provided elsewhere in this section, a tree survey shall be part of any application for a land disturbance permit, development permit, mit or preliminary subdivision plat. Except as provided elsewhere in this rece eightener (18) inches (DBH) and targer shall be identified speciment eight of the continuation of the continuation of the tree protection plan. Single to so an which the applicant intends to reside may be exempted from the tree irements at the discretion of the director. With the prior approval of the rist sampling methods may be used to determine tree densities for forested

Tree protection plan. A tree protection plan shall be submitted with other pervings as part of the development permits process. This plan may either be a separing, or part of a landscape plan, and shall include the following information:

patial limits: disturbance, clearing, grading, and trenching;

and

evegetation.

rawings of tree protection measures and their location:
species and size (DBH) of existing significant trees and an indication
and trees would remain on the site.

ntrol fences; ction signs;

a systems:

landing specifications;
tspecifications; and
typlicable drawings as determined by the director.

pullicable drawings as determined by the director.

to protection plan shall show all utility lines existing and proposed, including the deterite lighting lines. The applicant shall coordinate the location of these with the utility companies in order to prevent root damage within the critical of protected trees, and to minimize damage to trees located in protected.

easures.

of tree density proposed on site per subsection (g), tree preservative requirements. and schedules for the implementation, installation, and maintenance

rotection inspection. Following the receipt of a complete application, the protection inspection. Following the receipt of the proposed development plicant or applicant's designce shall be advised as to the date and time of the nod given an opportunity to participate.

In given an opportunity to participate, which is a proper of the complete of the protection ordinance, and any applicable ble zoning conditions, the tree protection ordinance, and any applicable we guidelines, and will either be approved or denied. Reasons for denial ad on the tree protection plan or otherwise stated in writing.

To protection measures shall be installed prior to land disturbance.

All tree protec Single lots in ple may be exer ction measures shall be installed prior to land disturbance.
platted residential subdivisions on which the applicant intends to
ampted from the tree protection plan requirements at the discretion

Final inspection. No certificate of occupancy shall be issued by the director wiver to any permit subject to this section [4-39 unless and until the county arboris have inspected the site and confirmed that all existing trees to tremain are in your condition and all replacement trees have been planted in accordance with this process.

Issuance of a building or land development permit shall be conditioned on the oved tree protection plan and conformance to the provisions of these regulation permit may be voided if its terms are violated.

Any permit may (f) Fees. (Res

vation and replacement requirements. The following tree replacement requirements are hereby established:

and replacement requirements are hereby established:
ifficant trees exist on a trace of fland for which a permit subject to this section
ther one hundred wenty (20) inches (DBH) per acre or twenty-five (2S)
there one hundred wenty (2D) inches (DBH) per acre or twenty-five (2S)
string significant trees per acre of such significant trees, whichever is less,
served on the site. Except for zoned C-1, C-2, M, or M2 sites, trees and reounting toward this requirement shall not be located in required buffer
sand tree save areas counting toward this requirement on sites zoned C-1,
1-2 may be located in stream buffers and state buffer zones, transitional
1-2 may be located in stream buffers and state buffer zones, transitional
1-2 may be located in stream buffers and state buffer zones, transitional
1-2 may be located in stream buffers and state buffer zones, the
1-2 may be located in stream buffers and state buffer zones, the
1-2 may be located of soot pairs.

1-2 may be located in stream buffers and state buffer zones, transitional
1-2 may be located at other acre of less of existing significant trees, the
1-2 may be located at of one or more significant trees. Trees removed
1-3 may be located at of one or more significant trees. Trees removed
1-3 may be located at of one or more significant trees. Trees removed
1-3 may be located at of one or more significant trees. Trees removed
1-3 may be located at of one or more significant trees. Trees removed
1-3 may be located at other located at the street of the street located at the street located

be at least two (2) two-inch (DBH) over story trees in every front yed R-200, R-150, R-30,000, R-20,000, R-100, R-85, and R-75. The effect (1) two-inch (DBH) over story tree in every front yard of proper 0, R-A8 and RDT.

b. Nonresidential and multifamily developments: The quantity of total existing/replacement trees on site must be sufficient so as to produce a total site densi factor of no less than thirty (30) density units per acre.
c. With the exception of C-1, C-2, M, or M-2 zoned property, the total tree density units required for a parcel or los shall be computed based on the area of the parcel or excluding all area within the 100-year floodplain. Total tree density units required for C-1, C-2, M, or M-2 zoned property shall be computed based on the area of the parcel or lot, including all area within the one hundred-year floodplain. ant shall landscape the areas with trees and other plant materials in the following standards:

The soldowing standards:

The soldowing standards:

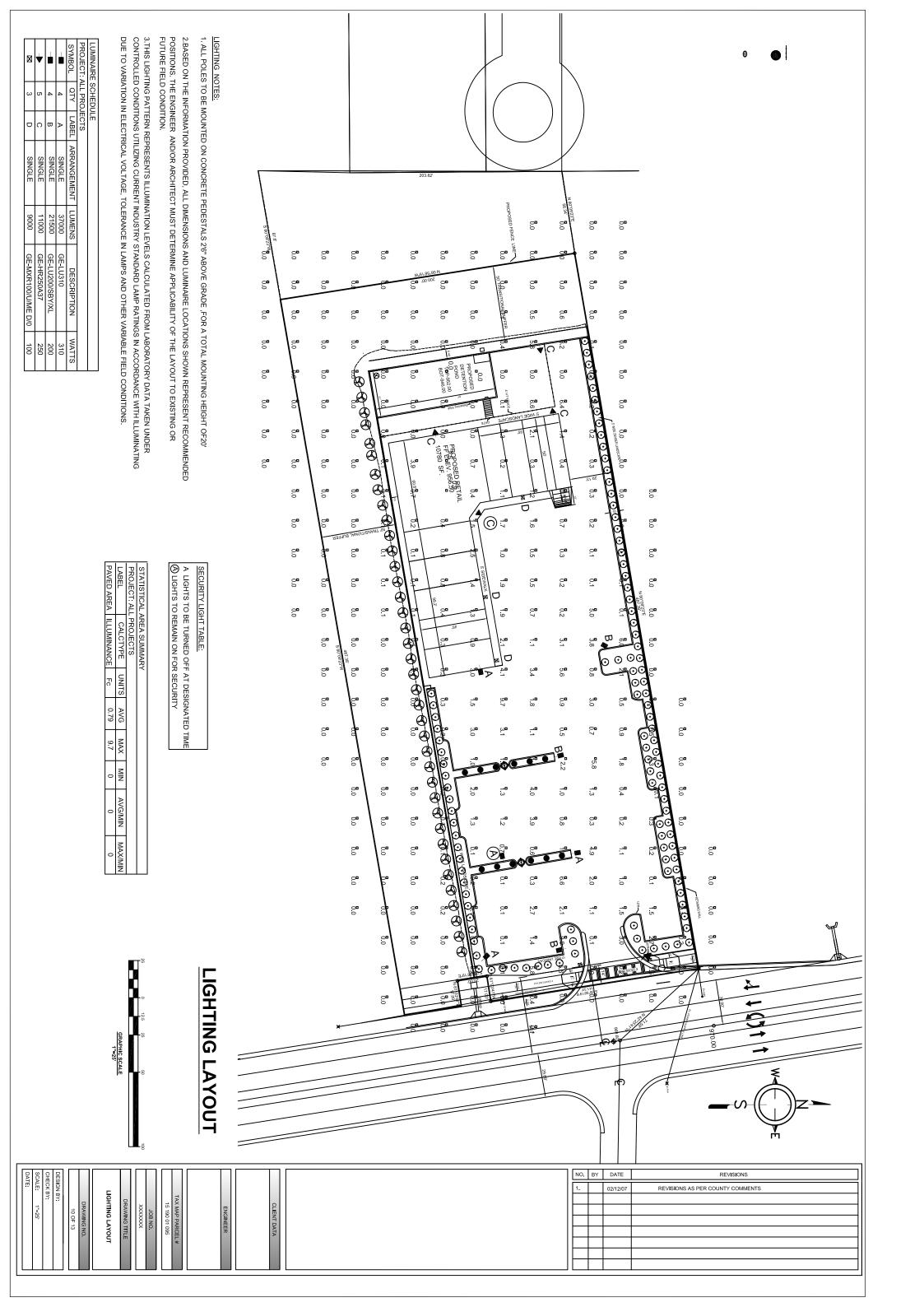
The subdivisions which there is commonly owned property may be commonly owned property.

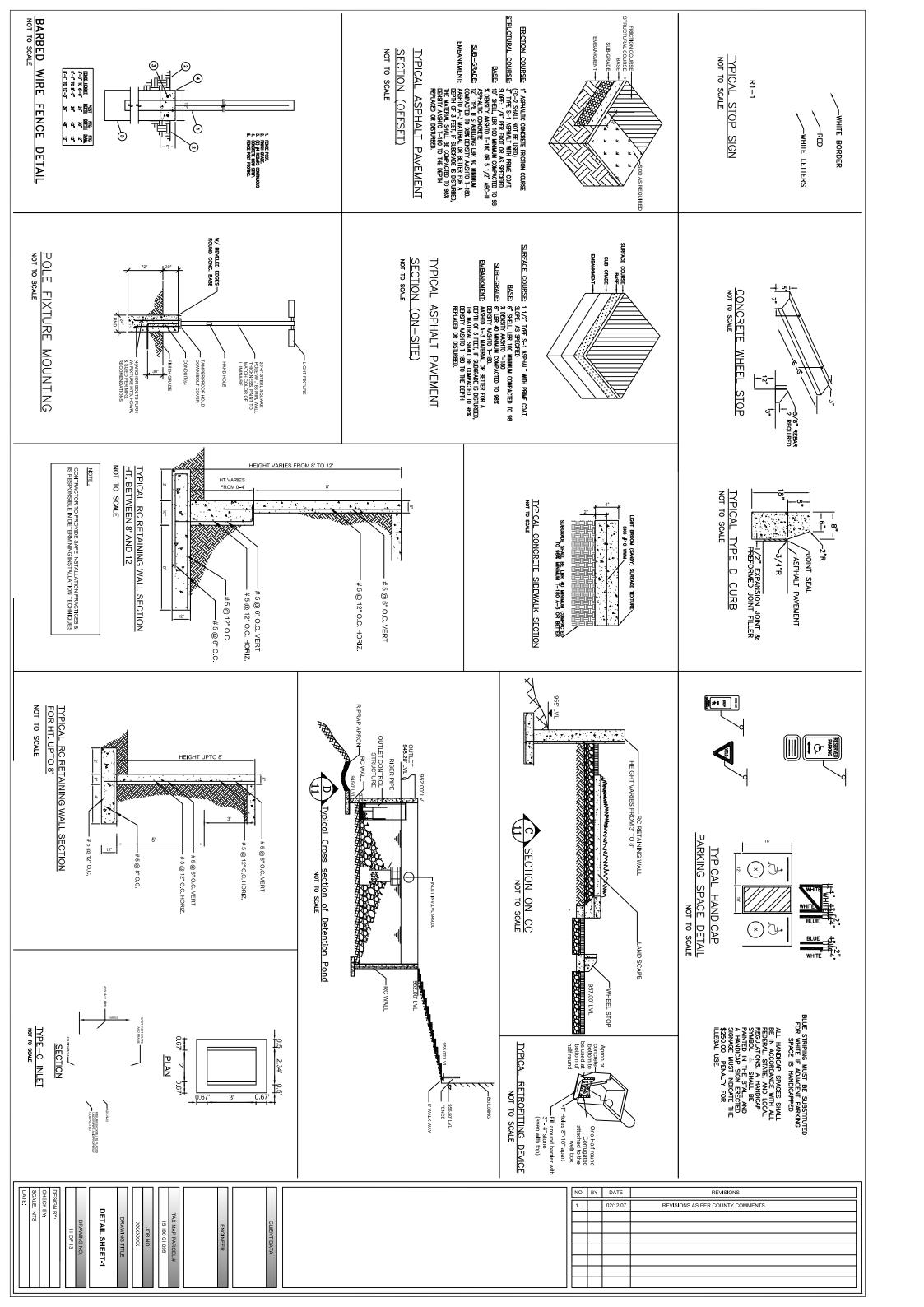
The subdivisions in which there is commonly owned property may be commonly owned property.

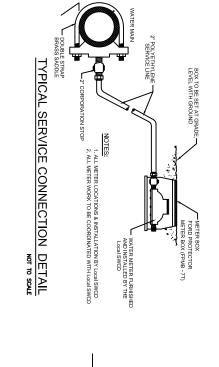
The quantity of total

NOTE: GENERAL CONTRACTOR TO VERIFY ALL CONDITIONS IN DISCUSS ANY DISCREPANCIES WITH CONTRACTOR REPRESENTATIVE

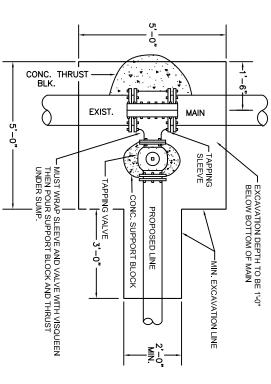
LANDSCAPE DETAILS LANDSCAPE DETAILS	TS S











MAIN CONNECTION DETAIL (TAPPED) NOT TO SCALE



FROM EX. WATER MAIN

DOMESTIC SERVICE

BACKFLOW PREVENTER DETAIL

NOTE:

- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE.

WHEN WATER MAIN MUST BE BELOW OTHER PIPE
THE MINIMUM SEPARATION IS 12". WATER MAIN SHAIL HAVE ALTERNATE 6' MIN. JOINT SPACING FROM GRAVITY OR PRESSURE SANITARY SEWER.

* 12" SEPARATION IS MINIMUM FOR SAN. SEWER FORCE MAIN AND RECLAIMED WATER (3) WITH ALTERNATE 6" MIN. FOR JOINT SPACING.

CROSSING (WATER OVER SEWER MAIN)

TOP OF 48" HPDE MEDITION PAPE

NOTE:

(1.) RECLAIMED NATER ERGULATED UNDER PART III 62-610, F.A.C.

2 F. FOR GRAVITY TYPE SAUTLAY SERFERS WHERE THE BOYTOM

OF THE WATER MAN IS LAID AT LEAST 6 INCRESS ABOVE THE TOP

OF THE GRAVITY TYPE SAUTLAY SERFER.

(3.) RECLAIMED WATER NOT REGULATED UNDER PART III 62-610, F.A.C.

(4.) THE HORIZONYAL SEPARATION BETWEEN WATER AND OSTDS (SEPTIC TANKS) MUST BE 10 FEST.

SEWER - WATER MAIN SEPARATION STANDARDS NOT TO SCALE

SIDE VIEW

CTURE(TYPE 3 PENNDOT INLET BOX)
NOT TO SCALE





1.) CONNECTION TO MAIN SHALL BE MADE AFTER ENGINEER AND CCU HAVE APPROVED ALL NEW WATER MAIN CONSTRUCTION.
CONTRACTOR IS TO NOTIFY THE ENGINEER 48 HOURS PRIOR TO TAPPING.

2.) SEE SPECS, FOR TAPPING SLEEVE AND VALVE. ANY SUBSTITUTIONS SHALL BE APPROVED BY Local COUNTY UTILITIES ENGINEER PRIOR TO CONSTRUCTION.

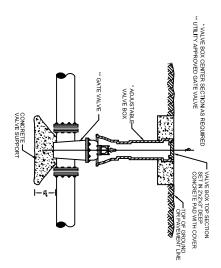
EXISTING STORM SEWER
OR PROPOSED STORMWATER—
POTABLE PORCE MAIN
WATER RECLAIMED—
WATER WATER (1)

GRAVITY OR PRESSURE
SAN. SEWER (2)
SAN. SEWER FORCE MAIN
REGISSION OF TANKS (4)

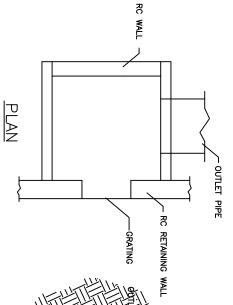
HORIZONTAL SEPERATION NOT TO SCALE

VARIES 36" STD.

FINISH GRADE



TYPICAL UNDERGROUND GATE VALVE NOT TO SCALE





SECTION

DETAIL SHEET-2

UTILITY NOTES:

OR PAVEMENT LINE

– 2" BRONZE HOSE GATE VALVE WINON-ASBESTOS PACKING, BRONZE CAP AND BRASS CHAIN, NIBCO NO, T-103-HC OR APPROVED EQUAL

2" GAL, STL, PIPE ASTM A 120

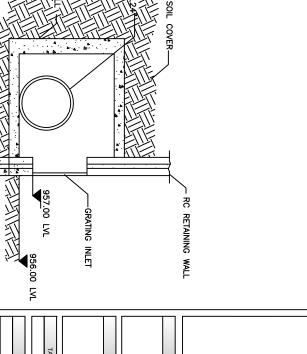
- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE JOB SITE.
 REVIEW THE UTILITY CONSTRUCTION AND DESIGN RECOUREMENTS, PROJECT PERMITS,
 CONDITIONS, STEPLILATIONS, AND RESTRETIONS AS NECESSARY TO FAMILIARIZE
 HIMSELF WITH THE ENTIRE PROJECT PRIOR TO BIDDING.
- 2. ALL WORK SHALL BE PERF WATER MANAGEMENT DIS ORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FRICT SPECIFICATIONS AND COUNTY STANDARDS.
- THERE SHALL BE NO CHAN NGE OR DEVIATION OF THESE PLANS OR SPECIFICATIONS APPROVAL FROM THE ENGINEER IS OBTAINED.
- THE INFORMATION SHOWN OF LOCATION OF EXISTING UND AVAILABLE RECORDS AND IS MICLUSIVE. THE CONTRACTO DETERMINATION AS TO THE DETERMINATION AS TO THE CONTRACTORY OF TH WWN ON THESE DRAWNIGS CONCERNING TYPE AND IS UNDERGROUND MOD OTHER UTILITIES IS BASED ON NO IS NOT GUARANTEED TO BE ACCURATE OR ALL ACTOR IS RESPONSIBLE FOR MARING HIS OWN THE TYPE AND LOCATION OF UNDERGROUND AND OTHER ECESSARY TO AVOID DAMAGE HERETO AND IS COCREDINATION OF UTILITY RELOCATION. ALL CONTION ALL STREET O AND IS CORRESPONDING UTILITY OWNERS.
- 5. THE CONTRACTOR SHALL PRIOR TO CONSTRUCTION VERIFY THE LOCATION OF ALL EXISTING UTILITIES
- THE CONTRACTOR SHALL NOTIFY STATE ONE-CALL OF State
 AT 1.800.282,7411 (STATE WIDE), THREE BUSINESS DAYS PRIOR TO CONSTRUCTION.
- 7. ALL PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED, IF A MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT TBELN PROPERLY REFERENCED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING DISTURBED MONUMENTATION BY A REGISTRED SURVEYOR.

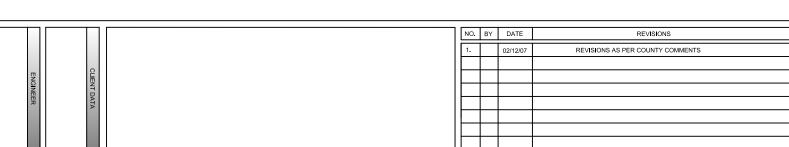
 8. ALL AREAS THAT WERE IMPROVED PRIOR TO THE START OF CONSTRUCTION AND DISTURBED MONUMENO CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION, WITHIN 30 DAYS OF DISRUPTION.
- THE CONTRACTOR SHALL AND TESTING OF BACKFIL IN ACCORDANCE WITH WA BE RESPONSIBLE FOR BACKFILLING, COMPACTION, L FOR WATER, REUSE AND FORCE MAIN TRENCHES, TER MANAGEMENT DISTRICT AND COUNTY STANDARDS.

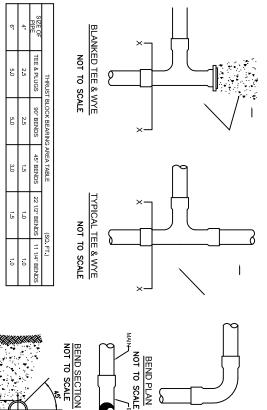
D. THE CONTRACTOR SHALL B OF TEMPORARY BLOW-OFFS SHALL ALSO BE RESPONSIB WATER MANAGEMENT DISTI

BE RESPONSIBLE FOR PRESSURE TESTING AND PLACEMENT S FOR ALL WATER, REUSE AND FORCE MAINS. THE CONTRACTOR BACTERIOLOGICAL TEST THROUGH THE

- 11. ALL WATER, REUSE AND F WATER MANAGEMENT DIS ORCE MAINS INSTALLATION SHALL CONFORM TO
- 12. ALL P.V.C. WATER, REUSE & FORCE MAINS SHALL BE PRESSURE TESTED AT 150 P.S.I., IN ACCORDANCE WITH WATER MANAGEMENT DISTRICT STANDARDS.
- ${\bf 13.}\;\;{\sf CONTRACTOR}\;{\sf SHALL}\;{\sf ADJUST}\;{\sf ALL}\;{\sf EXISTING}\;{\sf VALVE}\;{\sf BOXES}\;{\sf WITHIN}\;{\sf THE}\;\;{\sf LIMITS}\;{\sf OF}\;{\sf CONSTRUCTION}.$
- 14. LOCATING TAPES AND TRACING WIRES SHALL BE INCIDENTAL TO PLACEMENT OF PIPES.
- ALL FITTINGS SHALL HAVE TO PLACEMENT OF PIPES. MEG-A-LUGS AND SHALL BE INCIDENTAL
- 16 THE CONTRACTOR SHALL PLACE A 2" 4" WOODEN MARKER AT ALL CAPPED PIPE ENDS. ALL MARKERS SHALL BE BURJED 0.5" BELOW EXISTING GROUND FOR SAFETY. ALL MARKERS SHALL BE MADE OF PRESSURE TREATED LUMBER.
- 17. THE CONTRACTOR SHALL REMOVE OLD VALVE BOXES OR ABANDONED LINES AND SHALL NOT BURY OR COVER ACTIVE VALVE BOXES.







	THRUST	THRUST BLOCK BEARING AREA TABLE	AREA TABLE	(Si	(SQ. FT.)
SIZE OF	TEE & PLUGS	SGN39 .06	45° BENDS	22 1/2° BENDS	11 1/4° BENDS
4"	2.5	2.5	1.5	1.0	1.0
6"	5.0	5.0	0.8	1.5	1.0

		TEE	
5.0	2.5	TEE & PLUGS	THRUST
5.0	2.5	90° BENDS	THRUST BLOCK BEARING AREA TABLE
3.0	1.5	45° BENDS	AREA TABLE
1.5	1.0	22 1/2° BENDS	(Si
1.0	1.0	22 1/2° BENDS 11 1/4° BENDS	(SQ. FT.)

	1.0	1.5	3.0
	1.0	1.0	1.5
	11 1/4° BENDS	22 1/2° BENDS 11 1/4° BENDS	45° BENDS
i	(SQ. FT.)	(S(AREA TABLE
SIS			



24" MIN.-12"& LARGER PIPE 18" MIN.-10"& SMALLER PIPE

NOTE:

1) WRAP ALL FITTINGS WITH PLASTIC BEFORE POURING THRUST BLOCKS. ALL THRUST BLOCKS

MUST BE LEFT OPEN FOR INSPECTION BY THE ENGINEER & OWNER.

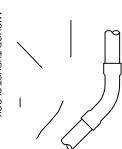
2) ALL BEARING SUFFACE TO BE CARRIED TO UNDISTURBED SOIL.

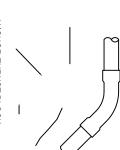
3) THESE TABLES SHOW MINIMUM SIZE THRUST BLOCKS FOR GOOD SOIL WITH A 2,000 P.S.F.

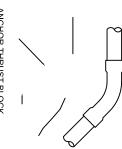
50: BEARING (A-1 THRU A-3 CLEAN SAND AND GRAVELS).

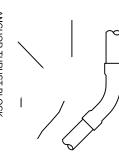
4) POOR SOIL (A-1 THRU A-3, SILTY SOILS, CLAYS, MUCK & PEAT) WILL REQUIRE LARGER

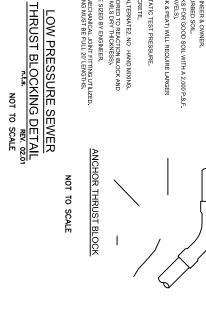
THRUST BLOCKS. 7.) CONCRETE SHALL BE READY-MIXED TO ASTM C94. ALTERNATE2, NO HAND MIXING. 8.) VERTICAL BENDS ONLY - 1/2" TIE RODS TO BE ANCHORED TO REACTION BLOCK AND COATED WITH 2 COATS OF BITUINHOUS EPOXY (16 MILS DRY THICKNESS). 9.) VERTICAL BENDS ONLY - FORWED CONCRETE TO BE SIZED BY ENGINEER. 5.) THRUST BLOCK SIZES BASED ON 100 P.S.I. HYDROSTATIC TEST PRESSURE.



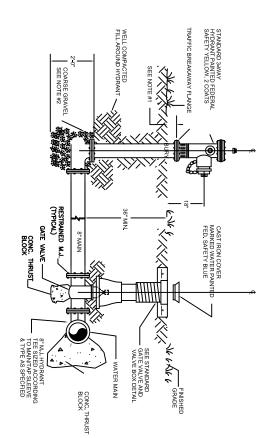








10.) NO THRUST BLOCK REQUIRED WHEN RESTRAINED MECHANICAL JOINT FITTING UTILIZED. ALL PIPE CONNECTED TO MECHANICAL JOINT FITTING MUST BE FULL 20' LENGTHS.



FIRE HYDRANT WITH TYPICAL GATE VALVE NOT TO SCALE

TYPICAL BACTERIOLOGICAL SAMPLE POINT

NOT TO SCALE

OUBLE STRAP SERVICE SADDLE

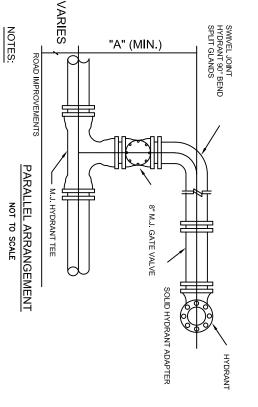
¥

1" CORPORATION STOP
TO BE REMOVED AFTER
BACTERIOLOGICAL SAMPLES PASS

NOTE:
AFTER BACTERIOLOGICAL
SAMPLES PASS
REMOVE TEMPORARY SETUP
AND BACKFILL WITH CLEAN
FILL AND COMPACT

J JEAN

TEMPORARY: 1"PVC - SCH. 40 TO BE REMOVED AFTER BACTERIOLOGICAL SAMPLES PASS



- MECHANICAL JOINT "HYDRANT TEE" WITH PLAIN END BRANGH MAY BE SUBSTITUTED FOR STANDARD TEE AND ELBOW ARRANGEMENT SHOWN ABOVE.

ALL JOINTS ARE TO BE MECHANICALLY RESTRAINED.

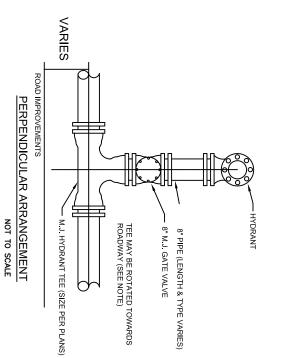
- DIMENSIONS (MINIMUM):

_				~ m z
12	10	00	ଜୁ	MAIN SIZE (IN)
2'-4 1/2"	2'-2 1/2"	2'-1 1/2"	2'-0"	"A" (MIN.)
2'-0"	1'-10"	1'-6"	1'4"	"A" WITH "HYDRANT TEE" (SEE NOTE 2)

FIRE HYDRANT ASSEMBLY PLAN ARRANGEMENTS NOT TO SCALE

(IN)	(MIN.)	(SEE NOTE 2)
6"	2'-0"	1'4"
œ	2'-1 1/2"	1'-6"
10	2'-2 1/2"	1'-10"
12	2'-4 1/2"	2'-0"





ARIEW)	1		
ENGINEER		CLIENT DATA	

DATE	SCALE	CHECK BY:	DESI			
	Ţ.	ЖВY:	DESIGN BY:	13 OF 13	DRAWING NO.	DETAIL SHEET-3

NO.	BY	DATE	REVISIONS
1.		02/12/07	REVISIONS AS PER COUNTY COMMENTS

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