

EXISTING TREES COORDIANTE WITH LANDSCAPE DRAWINGS THE TREES THAT ARE TO BE REMOVED AND THOSE THAT ARE TO REMAIN

NEW PARKING REFER TO CIVIL

NEW CONCRETE CURB AND GUTTER REFER TO CIVIL

RETENTION AREA REFER TO CIVIL

NEW ASPHALT PAVING REFER TO CIVIL

NEW PARKING REFER TO CIVIL

NEW CHAIN LINK FENCE

REMOVE EXISTING CHAIN LINK FENCE AS REQUIRED

EXISTING PARKING TO REMAIN AS IS

REMOVE EXISTING CHAIN LINK FENCE AS REQUIRED NEW CHAIN LINK FENCE

EXISTING GATES TO REMAIN

EXISTING CHAIN LINK FENCE TO REMAIN

COMMERCE PARK CIRCLE

EXISTING BUILDING TO REMAIN

EXISTING ACCESSIBLE PARKING TO REMAIN

NEW RETAINING WALL REFER TO CIVIL FOR DETAILS

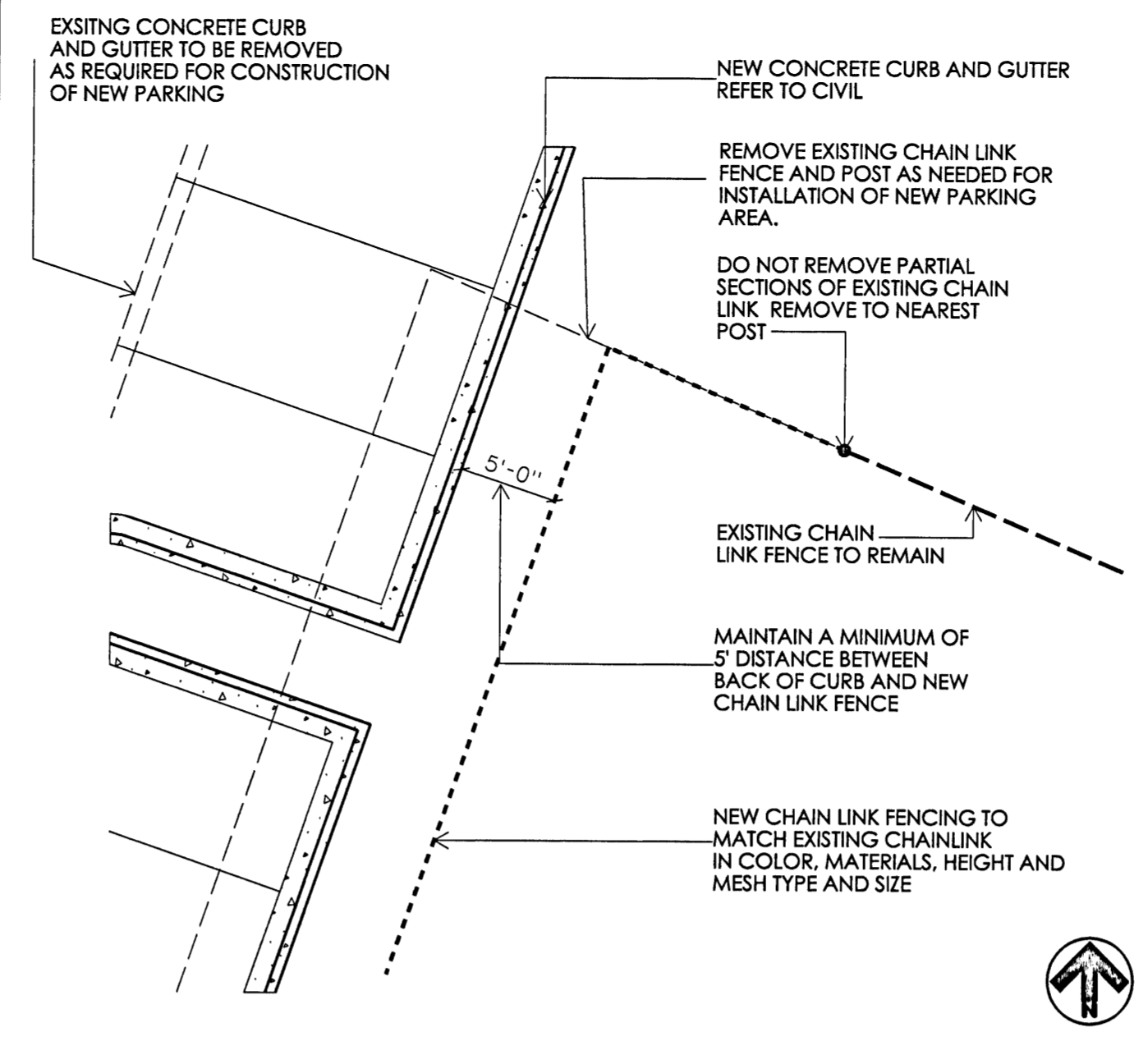
NEW ACCESSIBLE PARKING REFER TO CIVIL PLANS FOR DETAILS

- INDICATES EXISTING CHAIN LINK FENCE
- INDICATES EXISTING CHAIN LINK FENCE TO BE REMOVED AS NEEDED FOR INSTALLATION OF NEW PARKING AND LANDSCAPING
- INDICATES NEW CHAIN LINK FENCE TO MATCH EXISTING CHAIN LINK FENCE IN COLOR, HEIGHT, POLE SPACING AND MATERIAL

SITE PLAN

SCALE: 1" = 50'-0"

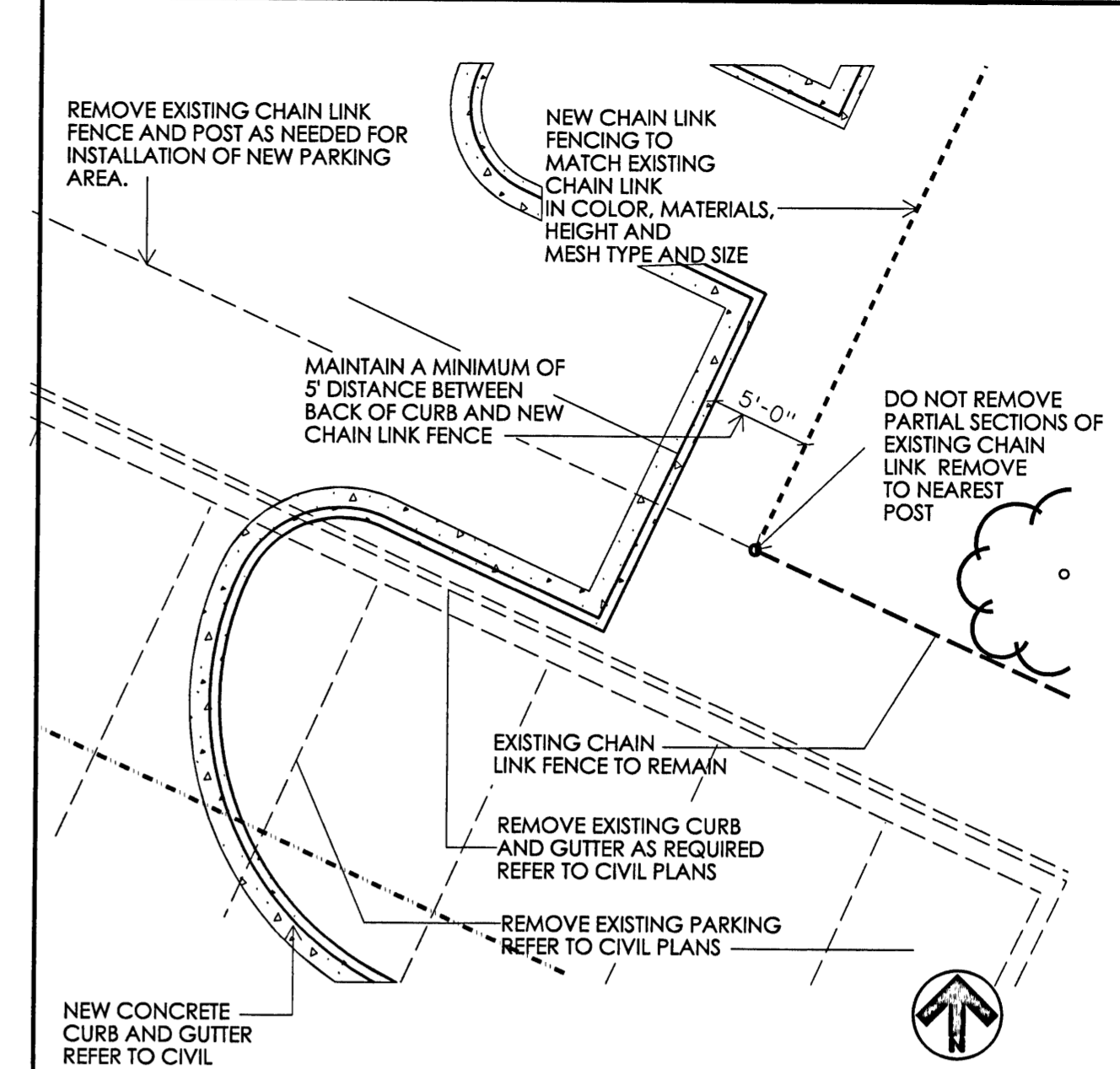
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PARTIAL SITE PLAN

SCALE: 1/8" = 1'-0"

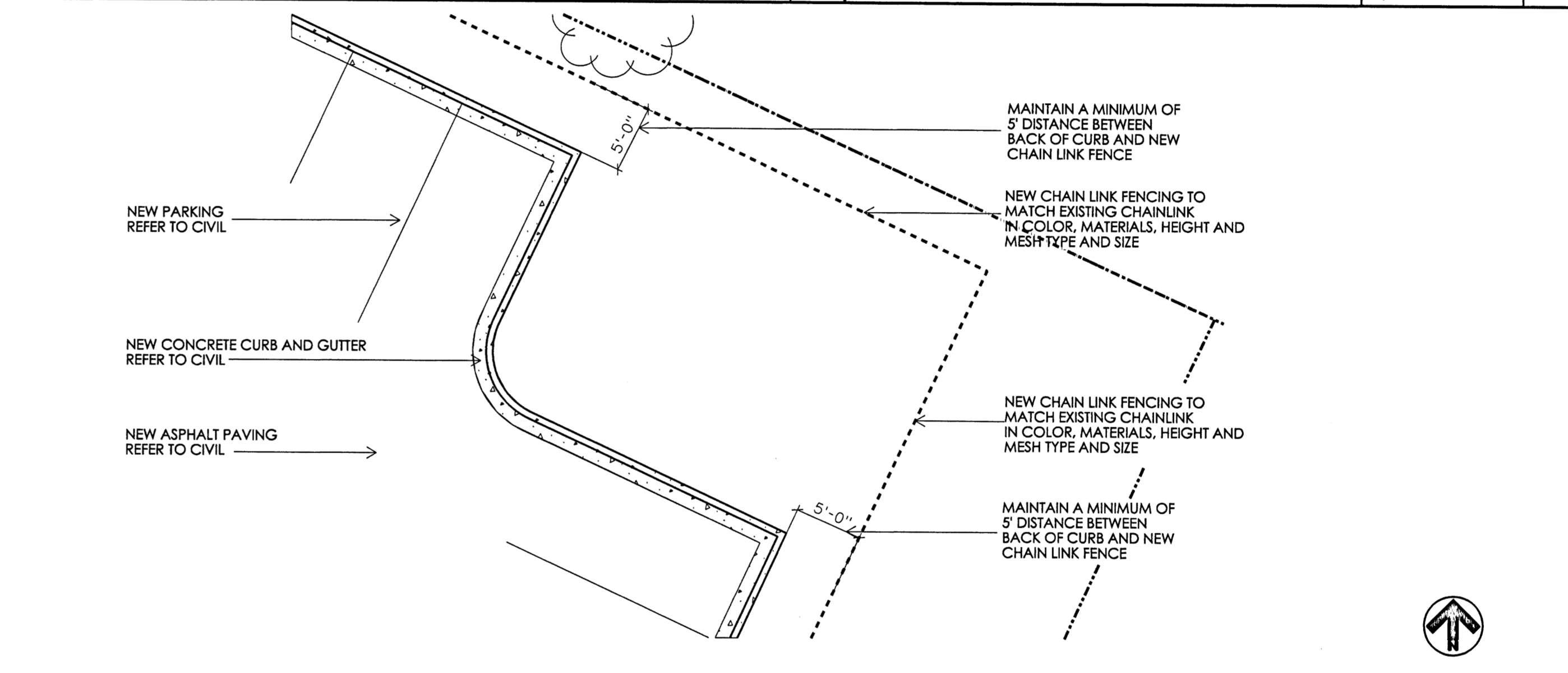
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PARTIAL SITE PLAN

SCALE: 1/8" = 1'-0"

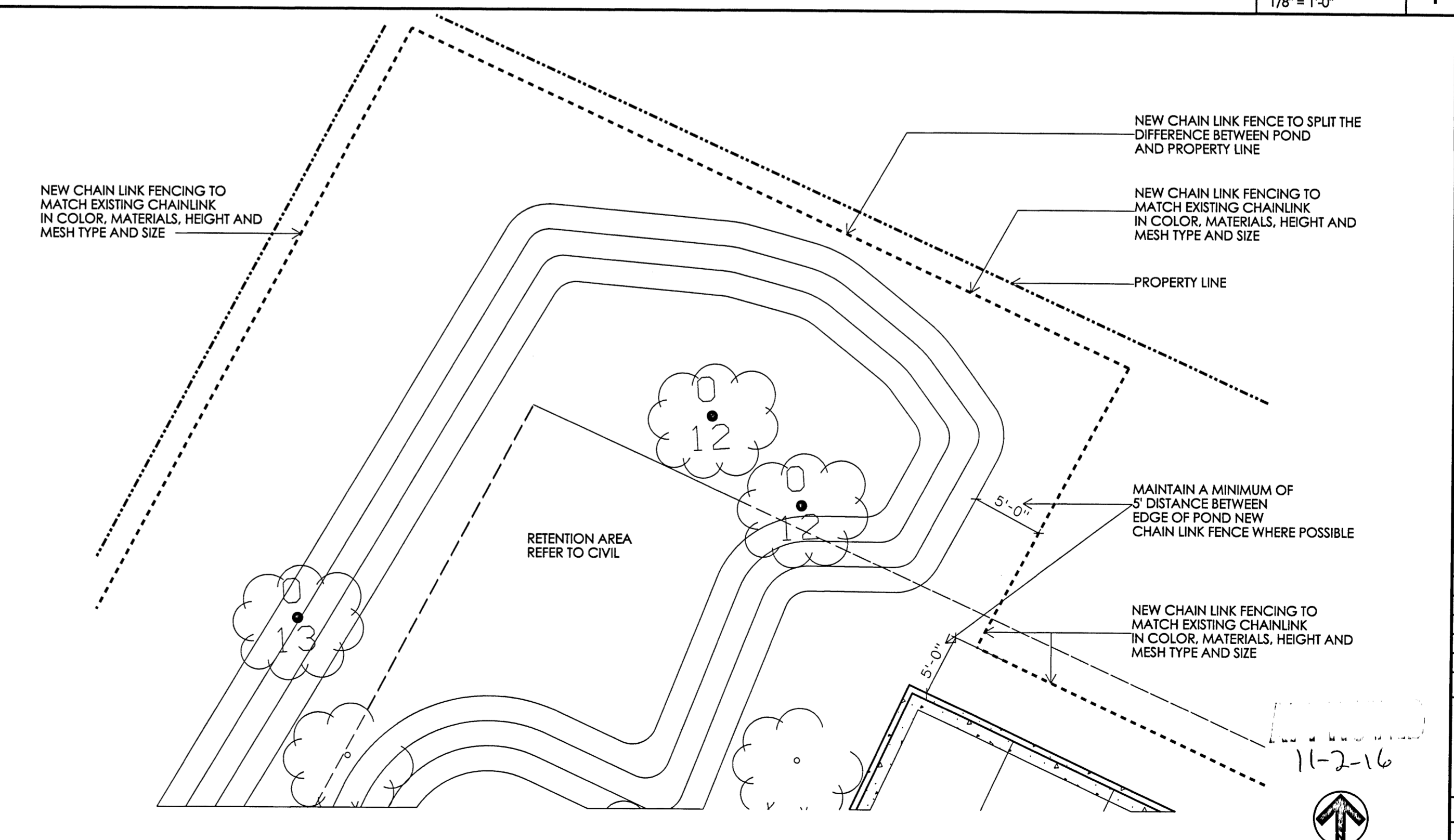
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PARTIAL SITE PLAN

SCALE: 1/8" = 1'-0"

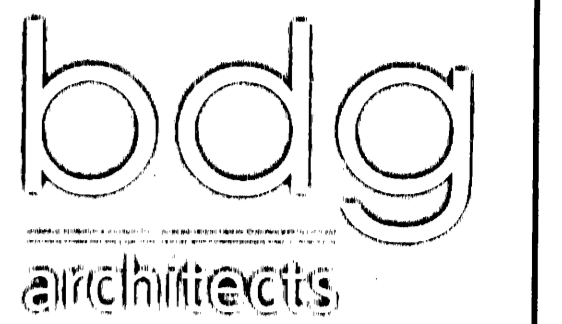
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PARTIAL SITE PLAN

SCALE: 1/8" = 1'-0"

5



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REGIONS PENSACOLA CALL CENTER
CENTER PARKING LOT EXPANSION
5080 COMMERCE PARK CIRCLE
PENSACOLA, FLORIDA

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SEAL
[Signature]
REGISTERED PROFESSIONAL ARCHITECT
STATE OF ALABAMA
11/2/16

ISSUE	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK	
JOB #	163252
DATE	07-06-16
DRAWN BY:	JTM
CHECKED BY:	JTM

SHEET TITLE
SITE PLAN AND PARTIAL SITE PLANS
SHEET NUMBER
A.01



2100 1ST AVE. NORTH
SUITE 100
BIRMINGHAM, AL 35203

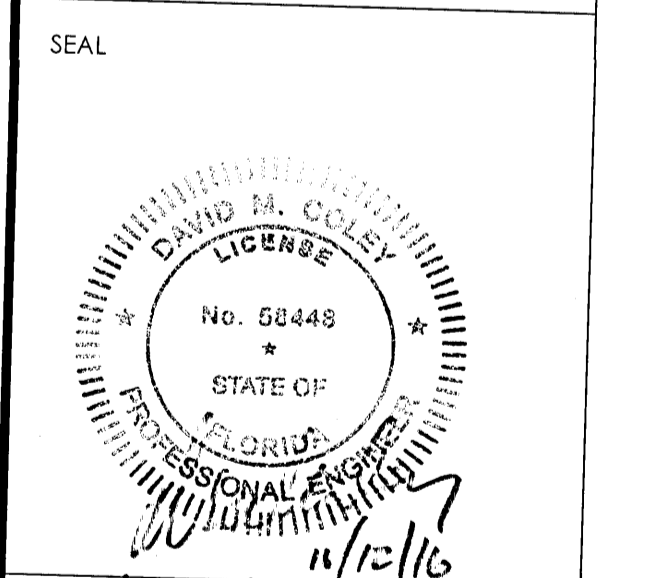
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REGIONS FINANCIAL CORPORATION
PENSACOLA CALL CENTER
5080 COMMERCE PARK CIRCLE
PENSACOLA, FLORIDA

REGIONS PROJECT # FLS01524825PIF

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ISSUE/BY	DATE	DESCRIPTION

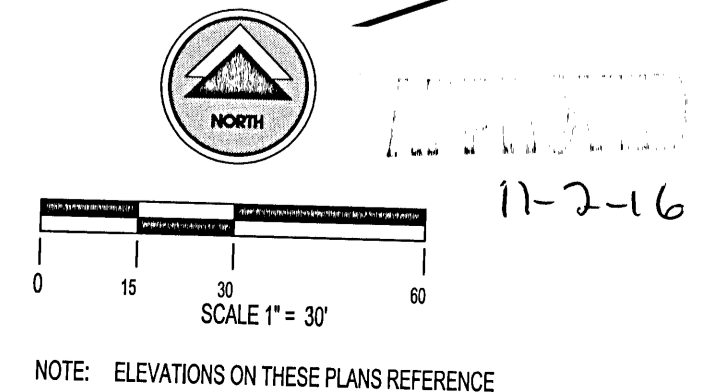
PROJECT INFORMATION BLOCK

JOB #:	163252
DATE:	9/6/16
DRAWN BY:	RAR
CHECKED BY:	DMC

SHEET TITLE

EXISTING CONDITIONS PLAN

SHEET NUMBER



GENERAL NOTES:

- 1. ALL ELEVATIONS IN THESE PLANS REFERENCE NAVD 1988 VERTICAL DATUM.
2. LBVD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTORS' WORK OR RESPONSIBILITIES.
3. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION UNLESS THEY BEAR A STAMP FROM THE COUNTY OF ESCAMBIA...
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS...
5. PRIOR TO COMMENCEMENT OF ANY SITE WORK...
6. THIS SET OF PLANS MAY CONTAIN SHEETS PREPARED BY OTHER PROFESSIONALS...
7. SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO EXISTING SITE GRADES AND ELEVATIONS...
8. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND TOPOGRAPHIC/SURVEY INFORMATION...
9. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE...
10. PRIOR TO ORDERING ANY MATERIALS THE CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP DRAWINGS...
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PROPERTY CORNERS...
12. IT SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE PROTECTION OF ADJACENT PROPERTIES...
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP APPLICABLE BEST MANAGEMENT PRACTICES...
14. ALL WORK OR MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS OF THE LOCAL, STATE, OR FEDERAL AGENCY...
15. AT THE COMPLETION OF WORK, THE ENTIRE PROJECT SITE AND ANY ADJACENT AREAS AFFECTED BY CONSTRUCTION ACTIVITIES...

GRADING NOTES:

- 1. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. AND IS AVAILABLE FOR INFORMATION PURPOSES...
2. ALL TORSION WITHIN THE PROPOSED LIMITS OF GRADING ACTIVITIES...
3. ALL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION.
4. COORDINATE THE SEQUENCING OF ALL CLEARING AND GRUBBING AND GRADING ACTIVITIES WITH THE EROSION CONTROL PLAN.
5. ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE SHALL BE STABILIZED WITH SEED AND MULCH...
6. FOR VEGETATED AREAS, PERMANENT VEGETATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
7. THE CONTRACTOR SHALL EXCAVATE AN APPROPRIATELY SIZED SEDIMENTATION BASIN AT THE COMMENCEMENT OF GRADING ACTIVITIES...
8. PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISHED GRADE.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SWALES ARE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS...
10. ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES...
11. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION...
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING...
13. COMPACTION TESTS SHALL BE TAKEN AT THE RECOMMENDATION OF THE ON-SITE GEOTECHNICAL ENGINEER...
14. AREAS WITH LIMITED SPACES SUCH AS FOR INSTALLATION OF MANHOLES, INLETS, OR UTILITY TRENCHESES...
15. SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER...
16. IN THE EVENT THAT THE SUBGRADE IS AFFECTED BY INCIDENT WEATHER OR CONSTRUCTION TRAFFIC...
17. FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS...
18. FILL MATERIAL SHALL BE COMPACTED TO 98% MODIFIED DRY DENSITY IN PAVED AND STRUCTURAL AREAS...
19. FILL SLOPES SHOULD BE BENCH INTO THE EXISTING SLOPES AND SHOULD BE COORDINATED WITH THE ON-SITE GEOTECHNICAL ENGINEERING...
20. EXCAVATIONS OR STOCKPILED EXCAVATION MATERIALS SHALL NOT BLOCK ACCESS TO OFF-SITE SIDEWALKS, ROADS, OR DRIVEWAYS...
21. THE CONTRACTOR SHALL PROVIDE NECESSARY SAFETY AND PROTECTIVE DEVICES AT ALL EXCAVATIONS AREAS.
22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AT AN ADDITIONAL COST TO THE OWNER, TO PROVIDE AND MAINTAIN ANY SHEETING, BRACING, SHORING, ETC. REQUIRED TO CONTAIN EXCAVATIONS AND STOCKPILES...

STORM DRAINAGE NOTES:

- 1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM DRAINAGE MATERIALS AND STRUCTURES TO LBVD, INC. PRIOR TO INSTALLATION AND/OR FABRICATION.
2. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) ARE TO BE LOCATED AT LOWPOINTS, AND SITE GRADING SHALL BE SUCH THAT RUNOFF IS DIRECTED TO THESE INLETS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED STORM INLET GRADES, PIPE SIZES, PIPE INVERTS, POTENTIAL CONFLICTS AND POINTS OF CONNECTION PRIOR TO INSTALLATION OR ORDERING OF MATERIALS.
4. THE ENGINEER, NOTIFY LBVD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION OR ORDERING MATERIALS.
5. ALL STORM PIPES 12" AND LESS SHALL BE SMOOTH LINE HIGH DENSITY POLYETHYLENE (HDPE) OR SCHEDULE 40 POLYVINYL CHLORIDE (PVC) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED.
6. ALL STORM PIPES 15" AND GREATER SHALL BE CLASS 3 REINFORCED CONCRETE RCP (90° BELL AND SPIGOT) INSTALLED WITH WATERTIGHT JOINTS UNLESS OTHERWISE NOTED.
7. ALL STORM PIPE JOINTS SHALL COMPLY WITH ASTM C443 AND FOOT SPECIFICATION SECTION 430.
8. ALL DRAINAGE STRUCTURES, INCLUDING CLEANOUTS, SHALL HAVE #20 TRAFFIC RATED GRATES, TOPS, RING AND COVERS, ETC. UNLESS OTHERWISE NOTED.
9. LEAKAGE TESTING SHALL BE PERFORMED ON ALL STORM PIPING. THE CONTRACTOR SHALL CLEAN ALL INSTALLED LINES AND STRUCTURES PRIOR TO ANY TESTING PROCEDURES.
10. ALL DRAINAGE STRUCTURE BOTTOMS SHALL BE IN ACCORDANCE WITH FOOT INDEX NO. 200, LATEST EDITION.
11. ALL STORM MANHOLES AND PRECAST CONE, RISER, AND BASE SECTIONS SHALL MEET FOOT STANDARD.
12. UNDERDRAIN PIPE SHALL BE PVC IN ACCORDANCE WITH ASTM F758.

DEWATERING NOTES:

- 1. ALL DEWATERING ACTIVITIES SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL DESIGN AND IMPLEMENT A DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PREVENTS STRENGTHENING OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR SLOUGHING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES.
3. WHERE NECESSARY, THE CONTRACTOR SHALL LOWER THE WATER LEVEL IN ADVANCE OF EXCAVATION, UTILIZING WELLS, WELLPONTS, OR SIMILAR POSITIVE METHODS.
4. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF 2 FEET BELOW EXCAVATIONS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
5. DISCHARGE FROM DEWATERING ACTIVITIES SHALL NOT CAUSE ADVERSE IMPACTS TO OFF-SITE WATERBODIES OR STORMWATER SYSTEMS OR TO WATER QUALITY.
6. NON-STORMWATER DEWATERING DISCHARGES CANNOT BE DISCHARGED WITHOUT PRIOR NOTICE TO AND APPROVAL FROM FDEP AND THE LOCAL WATER MANAGEMENT DISTRICT.
7. FDEP MAY REQUIRE A SEPARATE NPDES PERMIT FOR DEWATERING ACTIVITIES.
8. THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH THE LOCAL WATER MANAGEMENT DISTRICT IF DEWATERING EQUIPMENT NEEDED EXCEEDS ANY OF THE FOLLOWING:
a. 100,000 GPD TOTAL 24 HOUR (1 DAY) DEWATERING;
b. 1,000,000 GPD PUMP CAPACITY;
c. GROUNDWATER WELL SIZE IS 8" DIAMETER OR GREATER;
d. CUMULATIVE OUTSIDE DIAMETER OF SURFACE WATER WITHDRAWAL PIPES IS 6" IN DIAMETER OR GREATER.
9. OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES.
10. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE.
11. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE...

EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. EROSION AND SEDIMENT CONTROL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
2. EROSION AND SEDIMENT CONTROLS ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION.
3. THE EROSION AND SEDIMENT CONTROL MEASURES OUTLINED IN THESE PLANS ARE REPRESENTATIVE OF BEST MANAGEMENT PRACTICES.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE 'NOTICE OF INTENT (NOI)' FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER AN NPDES GENERAL PERMIT.
5. IN ADDITION TO THIS PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING AND MAINTAINING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH FDEP REGULATIONS.
6. THE SWPPP SHALL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING AND MAINTAINING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH FDEP REGULATIONS.
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PROJECT DESCRIPTION:

- A. SITE LOCATION: THE SITE IS LOCATED AT THE NORTHWEST END OF THE COMMERCE PARK CIR. AT 5080 COMMERCE PARK CIR, PENSACOLA, FL.
B. PROJECT AREA: THE TOTAL PROJECT AREA IS 5.19 +/- ACRES. THE AREA TO BE DISTURBED IS 3.04 +/- ACRES.
C. EXISTING SITE CONDITIONS: THE EXISTING CONDITION OF THE SITE IS A FORESTED LOT WITH ADJACENT DEVELOPED WITH COMMERCIAL STRUCTURES AND PAVED PARKING AREAS.
D. DESCRIPTIONS OF PROPOSED STORM WATER MANAGEMENT SYSTEM: STORMWATER RUNOFF FROM THE PROJECT AREA WILL BE ROUTED AS SHEETFLOW AND THROUGH A SYSTEM OF FLUMES AND DIRECTED TO THE NORTHWEST CORNER OF THE SITE WHERE IT WILL DISCHARGE TO AN EXISTING REGIONAL STORMWATER MANAGEMENT AREA TO THE WEST OF THE SITE.
E. RECEIVING WATERS/WETLAND AREAS: THE STORMWATER MANAGEMENT SYSTEM WILL DISCHARGE INTO AN EXISTING STORMWATER MANAGEMENT AREA LOCATED TO THE WEST OF THE SITE. ADJACENT TO THE PROJECT SITE (APPROXIMATELY 150' TO THE WEST), WETLANDS (PFS16N, PFS04B) AND SURFACE WATERS (CRESCENT LAKE) ARE PRESENT.

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE 'NOTICE OF INTENT (NOI)' FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER AN NPDES GENERAL PERMIT (EPA FORM 4510-9 OR LATEST VERSION) TO EPA.
• IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE 'NOTICE OF INTENT TO USE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES' (DEP FORM 62-621.300(4)(B) OR LATEST VERSION) TO FDEP.

- 6. GENERAL SEQUENCING FOR EROSION CONTROL
1. INSTALLATION OF PERIMETER CONTROLS AND INLET PROTECTION
2. CONSTRUCTION OF SEDIMENT BASIN
3. CLEARING AND GRUBBING
4. SITE GRADING (ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE SHALL BE STABILIZED WITH SEED AND MULCH OR OTHER ACCEPTABLE MEANS)
5. SITE DEVELOPMENT
6. FINAL STABILIZATION.

SEE EROSION CONTROL PLAN FOR ADDITIONAL CONSTRUCTION SEQUENCING NOTES.
AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED AND MAINTAINED BY THE CONTRACTOR, THE SITE CONTRACTOR SHALL PREPARE A CONSTRUCTION SCHEDULE. THIS SCHEDULE SHALL INCLUDE THE DATE GRADING WILL BEGIN, THE EXPECTED DATE OF FINAL STABILIZATION, AND THE SCHEDULE FOR INSTALLATION AND MAINTENANCE OF SPECIFIC CONTROL MEASURES AS RELATED TO THE SCHEDULE OF CONSTRUCTION ACTIVITIES.

- EROSION CONTROL BEST PRACTICES:
A. CONSTRUCTION ACTIVITIES SHOULD BE PLANNED IN PHASES WITH THE MINIMUM AMOUNT OF LAND DISTURBANCE NECESSARY TO DEVELOP OCCURRING IN EACH PHASE IN ORDER TO REDUCE THE EROSION POTENTIAL OF THE SITE.
B. PERIMETER CONTROLS, SEDIMENT TRAPS, BASINS, DIVERSIONS, AND OTHER EROSION CONTROLS SHOULD BE INSTALLED PRIOR TO ANY LAND DISTURBANCE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE, FINAL STABILIZATION IS ESTABLISHED AND THE SITE INSPECTOR HAS APPROVED THEIR REMOVAL.
C. CONSTRUCTION ENTRANCE/EXIT PADS SHOULD BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES AND SHOULD BE MONITORED REGULARLY FOR EFFECTIVENESS IN MINIMIZING OFFSITE SEDIMENT TRACKING.
D. THE CONTRACTOR SHALL EXCAVATE AN APPROPRIATELY SIZED SEDIMENTATION BASIN AT THE COMMENCEMENT OF GRADING ACTIVITIES, AND SHALL DIRECT SITE RUNOFF TO THESE LOCATIONS TO MINIMIZE OFFSITE RUNOFF.
E. STORAGE AREAS, VEHICLE WASH DOWN AREAS, CONCRETE WASHOUT AREAS, WASTE COLLECTION AND DISPOSAL AREAS, AND OTHER POTENTIAL POLLUTION SOURCES SHOULD BE CLEARLY DELINEATED ON THE SITE WITH SIGNAGE SO THEY CAN BE EASILY LOCATED AND UTILIZED.
F. A RAIN-GAUGE SHALL BE MAINTAINED ON THE SITE TO MONITOR RAINFALL EVENTS.
G. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH 1/2-INCH RAINFALL EVENT AND AT LEAST ONCE A WEEK, AND IN MODIFICATIONS TO THE EROSION CONTROL PLAN SHALL BE MADE IMMEDIATELY.
H. ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE SHALL BE STABILIZED WITH SEED AND MULCH OR OTHER ACCEPTABLE MEANS.
I. STOCKPILES AND EXCAVATED MATERIALS SHOULD NOT BE PLACED NEAR WETLANDS OR WATER BODIES AND SHOULD BE ENCLOSED WITH PROPER SEDIMENT CONTROLS.
J. SPECIAL CONSIDERATIONS SHOULD BE TAKEN WHEN CLAYS, MUCK, SILTS, AND OTHER FINE PARTICLES ARE PRESENT ON SITE AS THEY PRESENT A HIGHER RISK FOR EROSION AND TURBIDITY PROBLEMS.

INSPECTION AND MAINTENANCE:

- A. THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24 HOUR BASIS.
B. THE CONTRACTOR OR OTHER DESIGNATED INDIVIDUAL IS REQUIRED TO INSPECT AND MAINTAIN ALL CONTROLS WEEKLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT IN EXCESS OF 1/2-INCH.
C. THE DESIGNATED INSPECTOR MUST BE A QUALIFIED EROSION AND SEDIMENT CONTROL INSPECTOR AS DEFINED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
D. THE INSPECTOR SHALL BE RESPONSIBLE FOR MEETING THE FOLLOWING OBJECTIVES AT A MINIMUM:
1. CONFIRM THAT ALL EROSION AND SEDIMENT CONTROL MEASURES AND OTHER BMPs HAVE BEEN PROPERLY INSTALLED AND MAINTAINED PER THE APPROVED EROSION CONTROL PLAN AND SWPPP.
2. CONFIRM THAT EROSION IS BEING EFFECTIVELY CONTROLLED.
3. CONFIRM THAT OFFSITE SEDIMENTATION IS BEING PREVENTED.
4. CONFIRM THAT NO TURBIDITY IS BEING GENERATED IN RECEIVING WATERS.
E. THE INSPECTOR SHALL IMMEDIATELY RECORD AND REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION.
F. INSPECTION REPORT FORMS SHALL BE A PART OF THE SWPPP AND SIMPLE FORMS CAN BE OBTAINED FROM THE FDEP.

PROTECTION OF WETLANDS AND SURFACE WATERS:

- A. IT SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE WATER QUALITY OF DOWNSTREAM OR ADJACENT WETLANDS AND SURFACE WATERS IS PROTECTED DURING CONSTRUCTION ACTIVITIES.
B. WHERE APPROPRIATE OR WHEN REQUIRED BY STATE, FEDERAL OR LOCAL AGENCIES, DOWNSTREAM RECEIVING WATERS SHALL BE MONITORED THROUGHOUT CONSTRUCTION FOR TURBIDITY AND PH. A BACKGROUND SAMPLE SHALL BE TAKEN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
C. EROSION CONTROL AND TURBIDITY CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE SWPPP.
D. NO ACTIVITY, INCLUDING BUT NOT LIMITED TO CLEARING AND GRUBBING, GRADING, STORAGE OF EQUIPMENT OR MATERIALS, OR ANY OTHER LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES, SHALL OCCUR WITHIN THE PROTECTIVE BUFFER AREAS OF WETLANDS AND SURFACE WATERS AS DELINEATED ON THESE PLANS OR AS REQUIRED BY ANY STATE, FEDERAL OR LOCAL AGENCIES.
E. STOCKPILES AND EXCAVATED MATERIALS SHOULD NOT BE PLACED NEAR WETLANDS OR WATER BODIES AND SHOULD BE ENCLOSED WITH PROPER SEDIMENT CONTROLS.
F. PARKING AND MAINTENANCE AREAS FOR CONSTRUCTION EQUIPMENT SHALL BE DESIGNED TO PREVENT OIL, GREASE AND LUBRICANTS FROM DISCHARGING INTO SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS.
G. CONSTRUCTION VEHICLE SPEED SHALL BE LIMITED IN CASES WHERE BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED.
H. FOR AREAS TO ULTIMATELY BE VEGETATIVE, PERMANENT VEGETATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
I. THE CONTRACTOR SHALL IMPLEMENT OTHER MEANS OF DUST CONTROL, SUCH AS DUST CONTROL FENCES, AS NECESSARY WHEN WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR FUGITIVE DUST EMISSIONS.

CONTROL OF WIND EROSION:

- A. FUGITIVE DUST SHALL NOT BE ALLOWED TO LEAVE THE SITE WHILE UNDER CONSTRUCTION.
B. BARE EARTH AREAS AND STOCKPILES SHALL BE WATERED, COVERED, OR VEGETATED TO PREVENT EROSION AND FUGITIVE DUST EMISSIONS. WATERING SHALL BE DONE DAILY, OR AT AN INTERVAL APPROPRIATE FOR MAINTAINING DUST CONTROL BUT SHALL NOT CAUSE WATER EROSION OR TURBIDITY IN NEARBY WATER BODIES OR STORM SYSTEMS.
C. CONSTRUCTION VEHICLE SPEED SHALL BE LIMITED IN CASES WHERE BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED.
D. FOR AREAS TO ULTIMATELY BE VEGETATIVE, PERMANENT VEGETATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
E. THE CONTRACTOR SHALL IMPLEMENT OTHER MEANS OF DUST CONTROL, SUCH AS DUST CONTROL FENCES, AS NECESSARY WHEN WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR FUGITIVE DUST EMISSIONS.

REFERENCES:

- 1. THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR JOB # 302-16-016 AS PREPARED BY LBVD, INC. IN JULY 2016 ARE HEREBY REFERENCED AND MADE A PART OF THIS PLAN.

QUALITY CONTROL TESTING, INSPECTIONS AND APPROVALS:

- 1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERSTAND AND COMPLY WITH THE TESTING REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AS WELL AS ANY AND ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT.
2. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH TESTING, INSPECTION, AND APPROVAL OF WORK PERFORMED OR MATERIALS UTILIZED.
3. TESTING SHALL INCLUDE AT A MINIMUM:
a. CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING;
b. PIPING AND STRUCTURAL EXCAVATION, BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS;
c. DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS;
d. PRESSURE AND LEAKAGE TESTING AS REQUIRED FOR WATER DISTRIBUTION, SANITARY SEWER, AND STORM SEWER LINES.
e. FOR ALL INSTALLED GRAVITY SANITARY SEWERS AND GRAVITY STORM SEWERS, THE CONTRACTOR SHALL HAVE INTERNAL TELEVISION INSPECTION PERFORMED BY A QUALIFIED SUBCONTRACTOR.
f. THE CONTRACTOR SHALL CLEAN ALL INSTALLED LINES AND STRUCTURES PRIOR TO ANY TESTING PROCEDURES.
4. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, AND SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO BEGINNING WORK.
5. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF THE RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION, PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.

AS-BUILT DRAWING REQUIREMENTS:

- 1. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER AN AS-BUILT SURVEY DOCUMENTING AS-BUILT CONDITIONS.
2. THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
a. SPECIFY THE HORIZONTAL AND VERTICAL DATUM REFERENCED. DATUM SHALL BE THE SAME AS THAT UTILIZED IN THESE CONSTRUCTION PLANS;
b. WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION AND/OR VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS SHALL SHOW THE CORRESPONDING HORIZONTAL LOCATION AND/OR VERTICAL ELEVATION AS MEASURED IN THE FIELD;
c. FINISHED FLOOR ELEVATIONS OF ALL STRUCTURES;
d. FOR ROADWAY AND DRIVE ASILES, PROVIDE PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 100 FEET PLUS ALL CHANGES IN LONGITUDINAL SLOPE OR CROSS SLOPE, AT INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET INTERSECTIONS;
e. FOR PARKING LOTS, RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE ASILES AND ISLANDS AND SHOW THE DEPTH AND WIDTH OF PARKING STALLS;
f. PROVIDE HORIZONTAL AND VERTICAL MEASUREMENTS FOR ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED AS HANDICAP ACCESSIBLE ROUTES IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET;
g. STORMWATER DRAINAGE SYSTEMS (BOTH OPEN CONVEYANCE AND PIPED SYSTEMS) INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS AT ONE FOOT INTERVALS, AND CROSS SECTIONS OF OUTFALL CONTROL STRUCTURE (S);
h. STORMWATER CONTROL STRUCTURE INFORMATION (INCLUDING BOX STRUCTURES, FLUMES, AND SPILLWAYS) SHALL INCLUDE DIMENSIONS AND ELEVATIONS OF ALL PIPES, HEADS, SLOTS, ORIFICES, GRATES, AND SKIMMERS, AS SHOWN ON CONSTRUCTION DETAILS AS A MINIMUM;
i. FOR ALL STORMWATER PIPES AND OPEN CONVEYANCE SYSTEMS, PROVIDE TOP OF BANK ELEVATIONS, BOTTOM ELEVATIONS, AND HORIZONTAL DIMENSIONS MEASURED AT LOCATIONS AS SHOWN ON THE CONSTRUCTION PLANS. A MINIMUM OF 10 LOCATIONS PER POND WILL BE REQUIRED AND MORE MAY BE NECESSARY TO ACCURATELY SHOW THE FOOTPRINT AND VOLUME OF THE POND; HORIZONTAL POND DIMENSIONS ARE ALSO TO BE TIED TO PROPERTY CORNERS, EASEMENTS, RIGHTS-OF-WAY, OR OTHER POINTS ON THE PROPERTY;
j. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS INCLUDING STRUCTURE TURNS, INVERT ELEVATIONS, AND PIPE SIZES FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS, CLEANOUTS, VALVES, FITTINGS, AND CONNECTION POINTS;
k. LENGTHS OF PIPELINES BETWEEN STRUCTURES;
l. UTILITY LOCATIONS TIED HORIZONTALLY TO EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES, LOCATED EVERY 100-FT PLUS ALL CHANGES IN HORIZONTAL OFFSETS;
m. VERTICAL ELEVATIONS OF ALL PIPELINES WHERE THERE IS A CROSSING OF NEW AND EXISTING DOMESTIC AND FIRE WATER MAINS, SANITARY SEWER MAINS, AND STORM SEWER LINES IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATIONS HAVE BEEN MET;
n. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.
3. FOR ALL INSTALLED GRAVITY SANITARY SEWERS AND GRAVITY STORM SEWERS, THE CONTRACTOR SHALL HAVE INTERNAL TELEVISION INSPECTION PERFORMED BY A QUALIFIED SUBCONTRACTOR. THE INSPECTION SHALL BE RECORDED AND ALL FEATURES SHALL BE MEASURED AND LOGGED AS THE CAMERA PROGRESSES THROUGH THE PIPE. INSPECTION REPORTS SHALL INCLUDE PIPE SIZE, PIPE MATERIAL, LOCATION OF CHANGES IN MATERIAL, BRANCH OR CONNECTION LOCATIONS AND LOCATIONS OF DEFECTS.

TRAFFIC CONTROL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND IMPLEMENTING A TRAFFIC CONTROL PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. TRAFFIC CONTROL PLAN SHALL INCLUDE DETAILED CONSTRUCTION SEQUENCING AND SHALL OUTLINE THE USE OF BARRICADES, TEMPORARY AND PERMANENT PAVEMENT MARKINGS, TRAFFIC CONTROL SIGNAGE, FLAGMEN AND ANY OTHER TRAFFIC CONTROL MEASURES AS NEEDED TO MAINTAIN SAFE AND CONSISTENT TRAFFIC FLOW AND SAFETY FOR WORKERS AND PEDESTRIANS DURING ALL CONSTRUCTION ACTIVITIES.
3. TRAFFIC CONTROL PLAN AND ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FOOT INDEX NO. 600 LATEST EDITION.
4. TRAFFIC CONTROL DEVICES SHALL BE INSPECTED DAILY TO ENSURE PROPER PLACEMENT AND FUNCTIONALITY IS MAINTAINED THROUGHOUT THE DURATION OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED TRAFFIC CONTROL PLAN, ALL PROPOSED ROADWAY AND DRIVEWAY LANE CLOSURES SHALL BE LIMITED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00 P.M.
6. THE CONTRACTOR SHALL CONTACT ANY PROPERTY OWNERS AFFECTED BY CONSTRUCTION ACTIVITIES, AND SHALL COORDINATE THE SEQUENCING OF TEMPORARY DRIVEWAY CLOSURES IN ORDER TO MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.

bdg architects logo and contact information: 2100 1ST AVE. NORTH SUITE 100 BIRMINGHAM, AL 35203 P: 205-252-8222 F: 205-252-8899 www.bdgblp.com

LBVD, Inc. logo and contact information: P.O.A. #5125 Civil and Structural Engineer 300 East Clinton Ave. 1st Huntsville, AL 35801 (256) 533-1571 Main (205) 488-0226 Fax PROJECT NO. 302-16-016

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SEQUENCE OF CONSTRUCTION:
 AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED AND MAINTAINED BY THE CONTRACTOR, THE SITE CONTRACTOR SHALL PREPARE A DETAILED CONSTRUCTION SCHEDULE. THIS SCHEDULE SHALL INCLUDE THE DATE GRADING WILL BEGIN, THE EXPECTED DATE OF FINAL STABILIZATION, AND THE SCHEDULE FOR INSTALLATION AND MAINTENANCE OF SPECIFIC CONTROL MEASURES AS RELATED TO THE SCHEDULE OF CONSTRUCTION ACTIVITIES.

THE SWPPP SHALL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO WETLANDS, SURFACE WATERS OF THE STATE, OR A MUNICIPAL SEWER SYSTEM (MS4). THE SWPPP ALSO SHALL BE AMENDED IF IT PROVES TO BE INEFFECTIVE AND/OR TO INDICATE ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR THAT WILL IMPLEMENT ANY MEASURE OF THE SWPPP.

IN CASE OF DISCREPANCIES, SEQUENCING OUTLINED IN THE SWPPP SHALL PREVAIL.

1. INSTALL INLET EROSION PROTECTION ON INLETS TO REMAIN, AS SHOWN ON THIS PLAN.
2. INSTALL SILT FENCE, TURBIDITY BARRIERS, AND OTHER PERIMETER CONTROLS.
3. INSTALL STABILIZED CONSTRUCTION EXIT/ENTRANCES.
4. CONSTRUCT TEMPORARY SEDIMENT BASIN.
5. PREPARE AND CLEARLY DELINEATE POLLUTION SOURCE CONTROL AREA SUCH AS MATERIALS AND EQUIPMENT STORAGE, STOCKPILES, TEMPORARY PARKING, VEHICLE WASH DOWN, CONCRETE WASHOUT, EQUIPMENT MAINTENANCE/REPAIR, WASTE COLLECTION AND DISPOSAL, FUEL STORAGE. THE LOCATIONS OF THESE AREAS SHOULD BE DENOTED ON THE SITE MAP AND UPDATED THROUGHOUT THE PROJECT CONSTRUCTION.
6. CLEAR AND GRUB THE SITE. WHEN APPROPRIATE, CLEARING AND GRUBBING SHOULD OCCUR IN STAGES IN ORDER TO MAINTAIN NATIVE VEGETATION AND REDUCE EROSION.
7. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
8. BEGIN SITE GRADING. AS CLEARING AND GRADING PROGRESS, TEMPORARY SEEDING AND MULCHING SHOULD FOLLOW IMMEDIATELY FOR ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE.
9. INSTALL UNDERGROUND UTILITIES SUCH AS POWER UTILITIES, STORM SEWERS, AND UNDERDRAINS. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED. INSTALL CURB AND GUTTER.
10. AREAS TO BE VEGETATED SHALL BE PERMANENTLY STABILIZE AS THEY ARE BROUGHT TO FINAL GRADE.
11. PREPARE SITE FOR PAVING.
12. PAVE SITE. INSTALL INLET EROSION PROTECTION ON INLETS AS THEY ARE CONSTRUCTED.
13. FINALIZE GRADING AND PERMANENTLY STABILIZE ALL AREAS. COORDINATE SOODING, AND PERMANENT VEGETATION WITH LANDSCAPE PLAN.
14. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ONLY WHEN CONSTRUCTION IS COMPLETED AND SITE IS COMPLETELY STABILIZED.

SPECIAL NOTES:
 1. SEE SHEET C-2 FOR APPLICABLE EROSION CONTROL GENERAL NOTES.
 2. SEE LANDSCAPE PLANS FOR PERMANENT PLANTING INFORMATION.
 3. SEE LANDSCAPE PLANS FOR IRRIGATION INFORMATION.
 4. SEE SHEET C-4 FOR APPLICABLE EROSION CONTROL DETAILS.

EROSION CONTROL LEGEND

- SF SILT FENCING
- IP CURB INLET PROTECTION
- WCD CHECK DAM
- CEP CONSTRUCTION EXIT PAD
- TP TREE PROTECTION
- Trees to be removed

TREES PROPOSED FOR REMOVAL

Species	Diameter (inches at DBH)	DBH x 0.5	Replacement Caliper Inches
PINE	98	49	49
OAK	431	215.5	216
Subtotal			
TOTAL		264.5	265

Notes/Considerations: max 25 caliper inches per acre



2100 1ST AVE. NORTH
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SEAL

DAVID M. COLEY
 LICENSE
 No. 58448
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

10/12/16

ISSUE/NO.	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK
 JOB #: 163252
 DATE: 9/6/16
 DRAWN BY: RAR
 CHECKED BY: DMC

SHEET TITLE
 EROSION CONTROL PLAN INITIAL PHASE

BEFORE YOU DIG!
 CALL SUNSHINE STATE ONE CALL OF FLORIDA
 AT LEAST TWO FULL BUSINESS DAYS BEFORE
 DIGGING OR DISTURBING EARTH

811



11-2-16



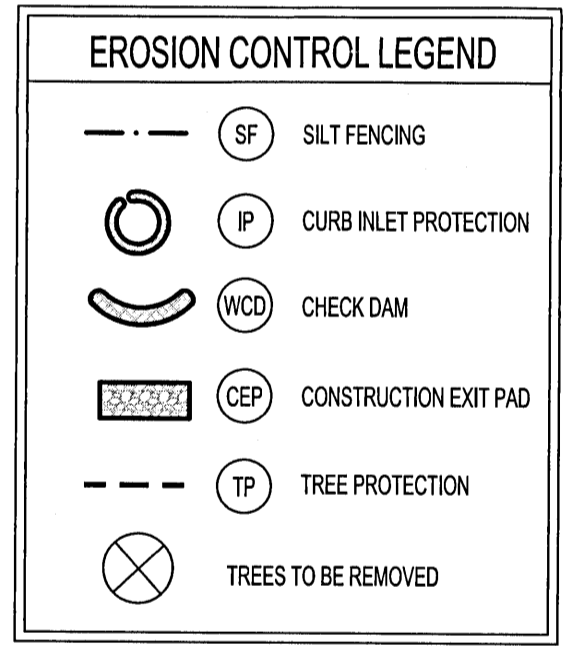
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2. INSTALL SILT FENCE, TURBIDITY BARRIERS, AND OTHER PERIMETER CONTROLS.
3. INSTALL STABILIZED CONSTRUCTION EXIT ENTRANCES.
4. CONSTRUCT TEMPORARY SEDIMENT BASIN.
5. PREPARE AND CLEARLY DELINEATE POLLUTION SOURCE CONTROL AREA SUCH AS MATERIALS AND EQUIPMENT STORAGE, STOCKPILES, TEMPORARY PARKING, VEHICLE WASH DOWN, CONCRETE WASHOUT, EQUIPMENT MAINTENANCE/REPAIR, WASTE COLLECTION AND DISPOSAL, FUEL STORAGE. THE LOCATIONS OF THESE AREAS SHOULD BE DENOTED ON THE SITE MAP AND UPDATED THROUGHOUT THE PROJECT CONSTRUCTION.
6. CLEAR AND GRUB THE SITE, WHEN APPROPRIATE, CLEARING AND GRUBBING SHOULD OCCUR IN STAGES IN ORDER TO MAINTAIN NATIVE VEGETATION AND REDUCE EROSION.
7. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
8. BEGIN SITE GRADING, AS CLEARING AND GRADING PROGRESS, TEMPORARY SEEDING AND MULCHING SHOULD FOLLOW IMMEDIATELY FOR ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE.
9. INSTALL UNDERGROUND UTILITIES SUCH AS POWER UTILITIES, STORM SEWERS, AND UNDERDRAINS. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED. INSTALL CURB AND GUTTER.
10. AREAS TO BE VEGETATED SHALL BE PERMANENTLY STABILIZE AS THEY ARE BROUGHT TO FINAL GRADE.
11. PREPARE SITE FOR PAVING.
12. PAVE SITE. INSTALL INLET EROSION PROTECTION ON INLETS AS THEY ARE CONSTRUCTED.
13. FINALIZE GRADING AND PERMANENTLY STABILIZE ALL AREAS. COORDINATE SODDING, AND PERMANENT VEGETATION WITH LANDSCAPE PLAN.
14. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ONLY WHEN CONSTRUCTION IS COMPLETED AND SITE IS COMPLETELY STABILIZED.

- SPECIAL NOTES:
1. SEE SHEET C-2 FOR APPLICABLE EROSION CONTROL GENERAL NOTES.
 2. SEE LANDSCAPE PLANS FOR PERMANENT PLANTING INFORMATION.
 3. SEE LANDSCAPE PLANS FOR IRRIGATION INFORMATION.
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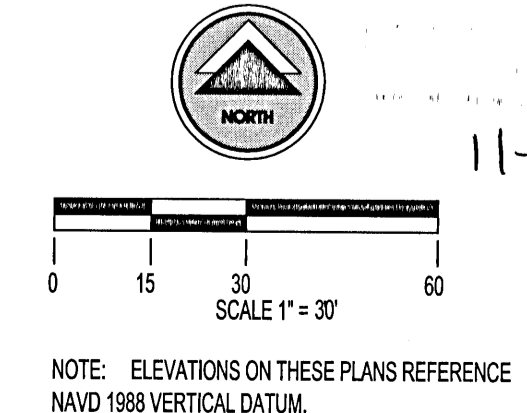
TREES PROPOSED FOR REMOVAL

Species	Diameter (inches at DBH)	DBH x 0.5	Replacement Caliper Inches
PINE	98	49	49
OAK	431	215.5	216
Subtotal			
TOTAL		264.5	265

Notes/Considerations: max 25 caliper inches per acre

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PROJECT NO.
 302-16-016

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SEAL

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK
 JOB #: 143252
 DATE: 9/6/14
 DRAWN BY: RAR
 CHECKED BY: DMC

SHEET TITLE
EROSION CONTROL PLAN INITIAL PHASE

SHEET NUMBER
C-3.0



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LBD, Inc.
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 Fax: 256-488-2258
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 5080 COMMERCE PARK CIRCLE
 PENSACOLA, FLORIDA
 REGIONS PROJECT #FLS01524825P/F

SEAL

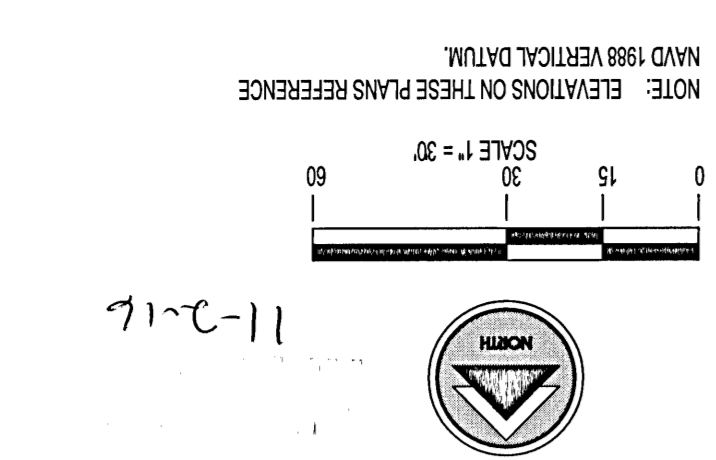
ISSUE/REV	DATE	DESCRIPTION
1	10/11/16	ADD #2 - PERM. DISSIPATORS
2	10/6/16	ADDENDUM #1

PROJECT INFORMATION BLOCK

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 CHECKED BY: DMC

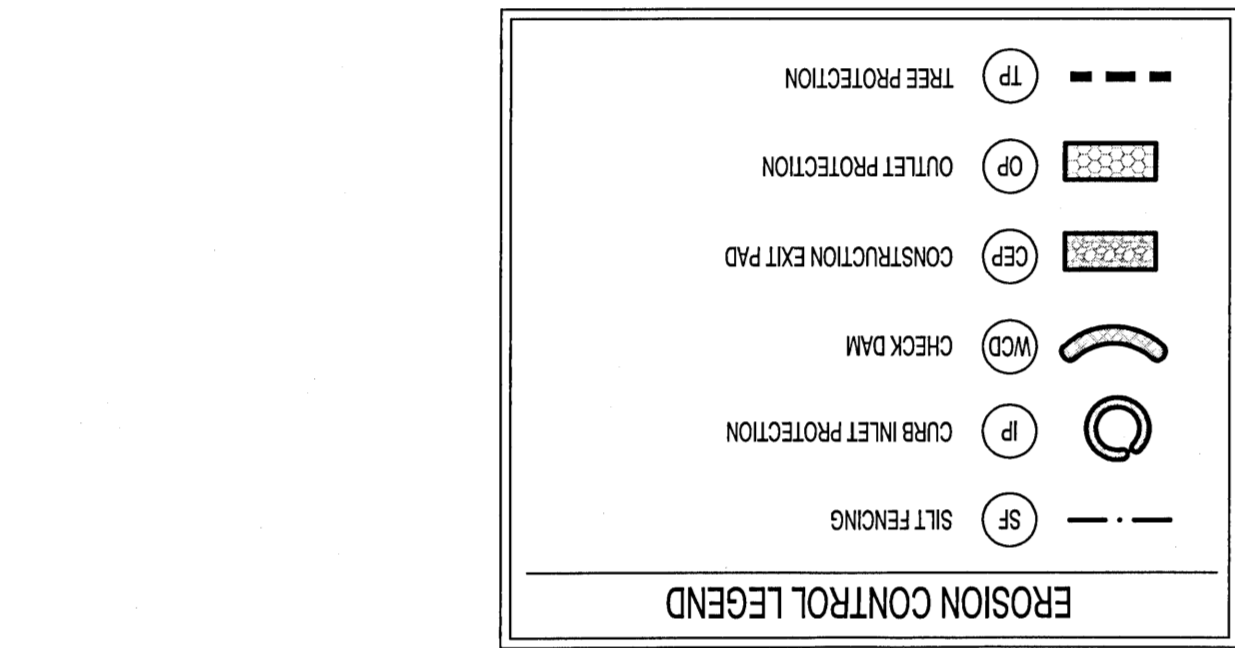
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 INTERMEDIATE PHASE

SHEET NUMBER: C-31

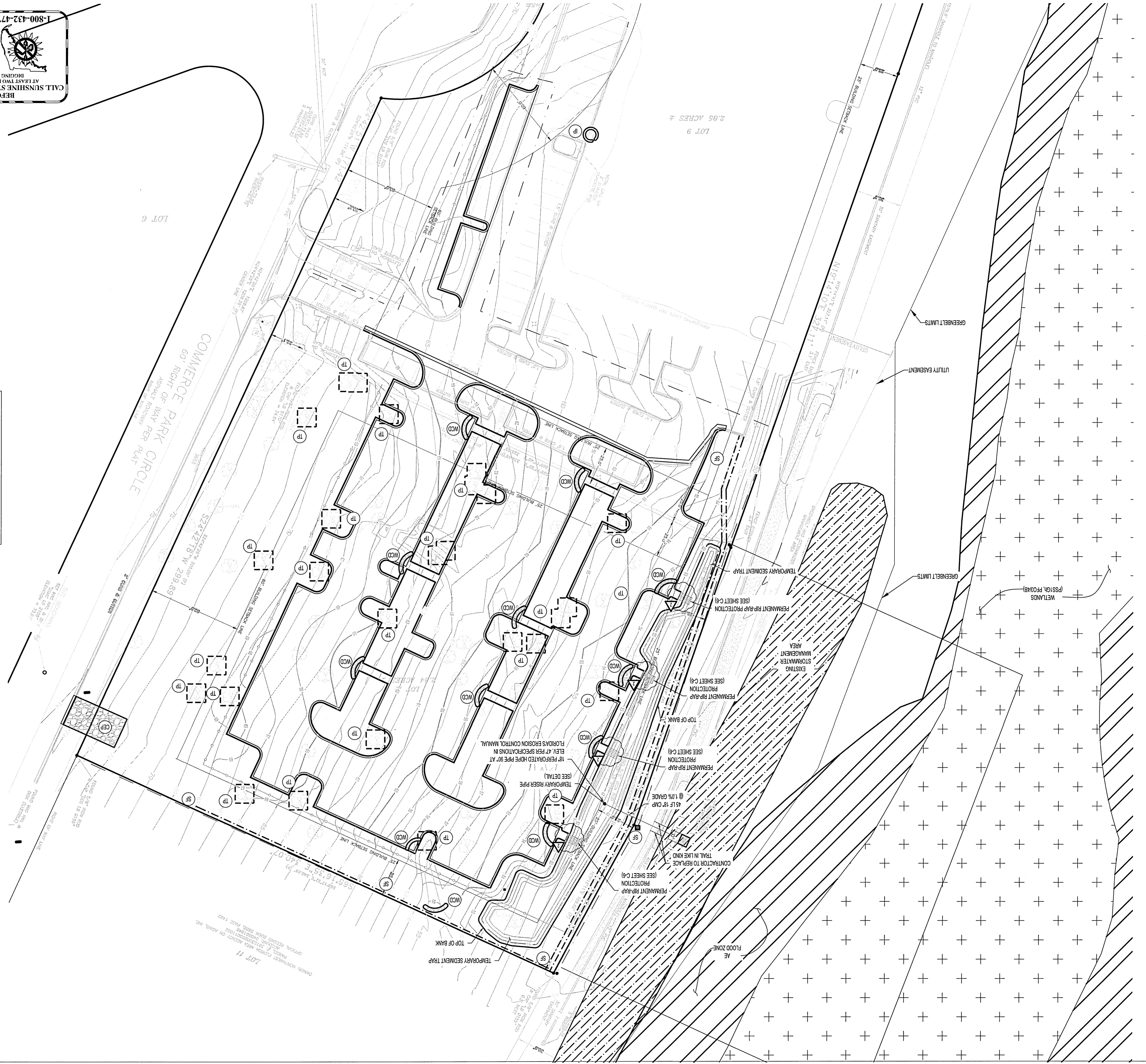


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- SPECIAL NOTES:**
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 2. INSTALL SILT FENCE, TURBIDITY BARRIERS, AND OTHER PERIMETER CONTROLS.
 3. PREPARE AND CELEBRATE DELINATE POLLUTION SOURCE CONTROL AREA SUCH AS MATERIALS AND EQUIPMENT STORAGE.
 4. CONSTRUCT TEMPORARY SEDIMENT BASIN.
 5. STOCKPILE TEMPORARY PAVING, VEHICLE WASHDOWN, CONCRETE WASHOUT, EQUIPMENT MAINTENANCE/GENERATOR WASTE COLLECTION AND OTHER FILES STORAGE THE LOCATION OF THESE AREAS SHOULD BE DENOTED ON THE SITE PLAN AND AREAS TO BE RESTORED SHALL BE PERMANENTLY STABILIZED, INSTALLED CURBS AND OUTLET.
 6. AROUND ALL STORAGE BINS STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
 7. BEGIN SITE GRADING, AS CLEARING AND GRADING PROGRESS, TEMPORARY SEEDING AND MULCHING SHOULD FOLLOW IMMEDIATELY FOR ALL AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF 7 DAYS OR MORE.
 8. INSTALL UNDERGROUND UTILITIES SUCH AS POWER UTILITIES, SPOON SEWERS, AND UNDERDRAINS. INSTALL INLET PROTECTION AREAS TO BE RESTORED SHALL BE PERMANENTLY STABILIZED AS THEY ARE BROUGHT TO FINAL GRADE.
 9. PREPARE SITE FOR PAVING.
 10. REMOVE ALL TEMPORARY EROSION PROTECTION ON INLETS AS THEY ARE CONSTRUCTED.
 11. FINALIZE GRADING AND PERMANENTLY STABILIZE ALL AREAS. COORDINATE SOODING, AND PERMANENT VEGETATION WITH LANDSCAPE PLAN.
 12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ONLY WHEN CONSTRUCTION IS COMPLETED AND SITES COMPLETELY STABILIZED.
- GENERAL NOTES:**
1. SEE SHEET C-2 FOR APPLICABLE EROSION CONTROL GENERAL NOTES.
 2. SEE LANDSCAPE PLANS FOR PERMANENT PLANTING INFORMATION.
 3. SEE LANDSCAPE PLANS FOR REGRASSING INFORMATION.
 4. SEE SHEET C-4 FOR APPLICABLE EROSION CONTROL DETAILS.



AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED AND MAINTAINED BY THE CONTRACTOR, THE SITE CONTRACTOR SHALL PREPARE A SCHEDULE FOR CONSTRUCTION SCHEDULE. THE SCHEDULE SHALL INCLUDE THE DATE GRADING WILL BEGIN, MEASURES AS RELATED TO THE SCHEDULE OF CONSTRUCTION ACTIVITIES.

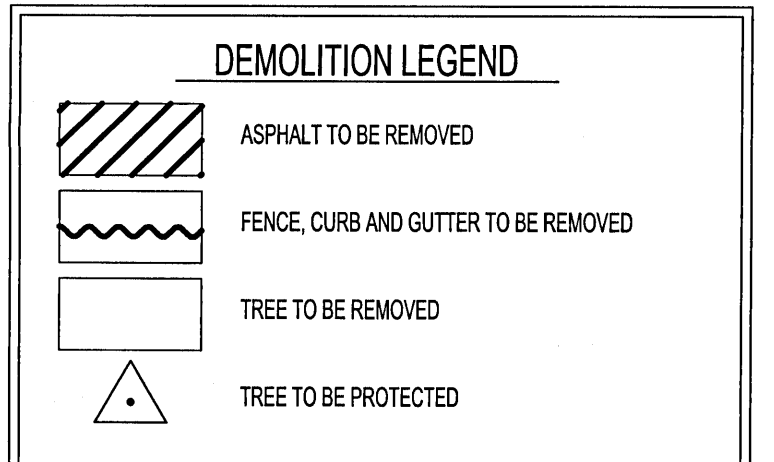
THE SWPPP SHALL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO WETLANDS, SURFACE WATERS OF THE STATE, OR TO MUNICIPAL SEWERAGE SYSTEM (MS4). THE SWPPP ALSO SHALL BE AMENDED IF IT PROVES TO BE INEFFECTIVE AND/OR TO INDICATE ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR THAT WILL IMPLEMENT ANY MEASURE OF THE SWPPP.

IN CASE OF DISCREPANCIES, SEQUENCING OUTLINED IN THE SWPPP SHALL PREVAIL.



SITE DEMOLITION NOTES:

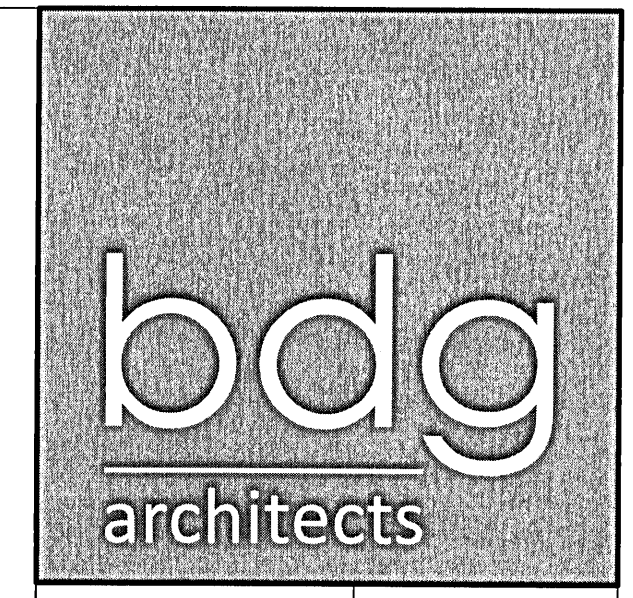
1. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL SUNSHINE11 PRIOR TO ANY DEMOLITION, DIGGING, OR CONSTRUCTION ACTIVITIES. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AND FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO ORDERING MATERIALS OR COMMENCING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBVD, INC.
2. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OR REMOVAL OF ANY UTILITY SERVICE. ALL UTILITIES TO BE REMOVED ARE TO BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO THE UTILITY OWNERS' REQUIREMENTS.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO ENSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. REFER TO SITE GRADING PLANS FOR ADDITIONAL NOTES REGARDING PROPOSED UTILITY INSTALLATION AND REMOVAL.
5. UNLESS SPECIFICALLY NOTED "TO REMAIN," ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED OR RELOCATED. NOTIFY LBVD INC. OF ANY DISCREPANCIES PRIOR TO DEMOLITION ACTIVITIES.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PROPERTY CORNERS AND SURVEY BENCHMARKS AND TO ACCURATELY REPLACE OR RESTORE THEM IF DAMAGED OR DISTURBED.
7. IT SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE PROTECTION OF ADJACENT PROPERTIES AND EXISTING ON OR OFF SITE STRUCTURES, UTILITIES, AND OTHER IMPROVEMENTS TO REMAIN; AND IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE CAUSED BY THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
8. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO ANY DEMOLITION OF ITEMS TO BE SALVAGED, RECYCLED, AND REUSED. ITEMS TO BE RELOCATED, SALVAGED, OR REUSED SHALL BE REMOVED WITH EXTREME CARE AND CAUTION TO PREVENT DAMAGE. ALL SALVAGED ITEMS AND MATERIALS SHALL BE THE PROPERTY OF THE OWNER.
9. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED OFF SITE AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
10. SCHEDULING OF DEMOLITION AND CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. LIMITS OF LAND CLEARING SHALL BE 5' OUTSIDE OF ALL AREAS TO BE GRADED OR NOT BEYOND THE PROPERTY LINES, WHICHEVER IS LESS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST, WATER, DEBRIS OR OTHER POSSIBLE POLLUTANTS CAUSED BY DEMOLITION AND CONSTRUCTION ACTIVITIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING ANY HAZARDOUS MATERIALS SUCH AS LEAD OR ASBESTOS WHICH ARE ENCOUNTERED DURING DEMOLITIONS OR CONSTRUCTION.
14. ALL EXISTING PAVING, SIDEWALKS, CURBS, HARDSCAPES, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING SHALL BE MILLED BACK AT EDGE A MINIMUM OF 2" TO ENSURE SMOOTH TRANSITION.
15. REFER TO LAYOUT AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVING, SIDEWALKS, CURBS, HARDSCAPES, ETC.
16. EXISTING DRAINAGE PATTERNS FROM OFF-SITE SHALL BE MAINTAINED THROUGHOUT DEMOLITION AND CONSTRUCTION ACTIVITIES.



TREES PROPOSED FOR REMOVAL

Species	Diameter (inches at DBH)	DBH x 0.5	Replacement Caliper Inches
PINE	98	49	49
OAK	450	225	225
Subtotal			
TOTAL		274.5	274

Notes/Considerations: max 25 caliper inches per acre



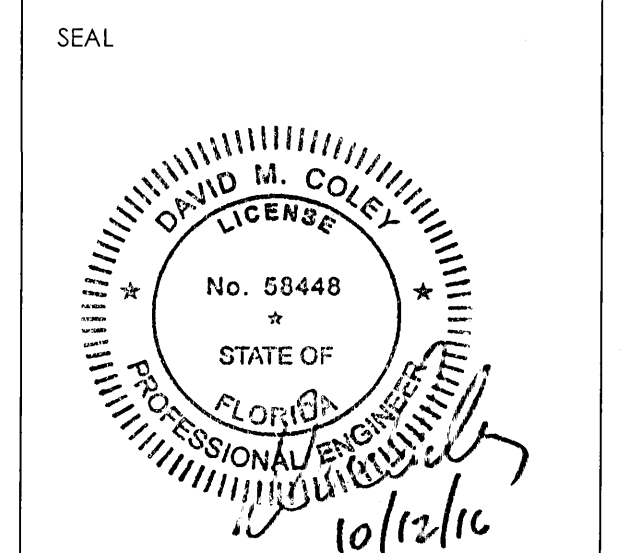
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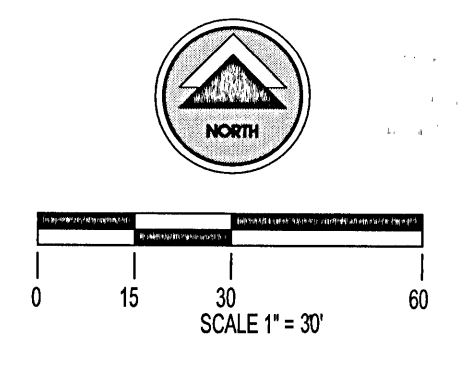
ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK
JOB #: 163252
DATE: 9/6/16
DRAWN BY: RAR
CHECKED BY: DMC

SHEET TITLE
DEMOLITION PLAN
SHEET NUMBER
C-5

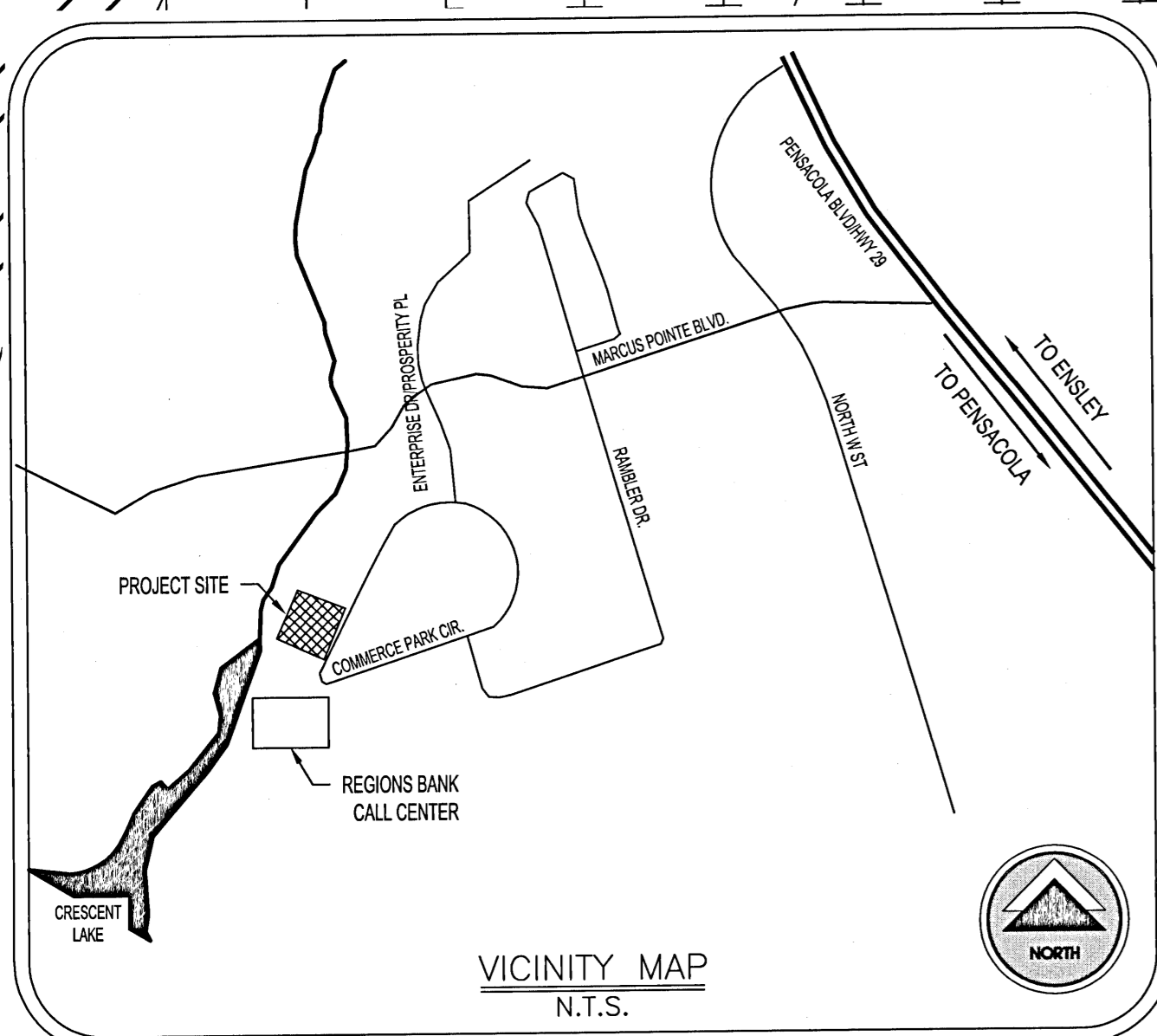
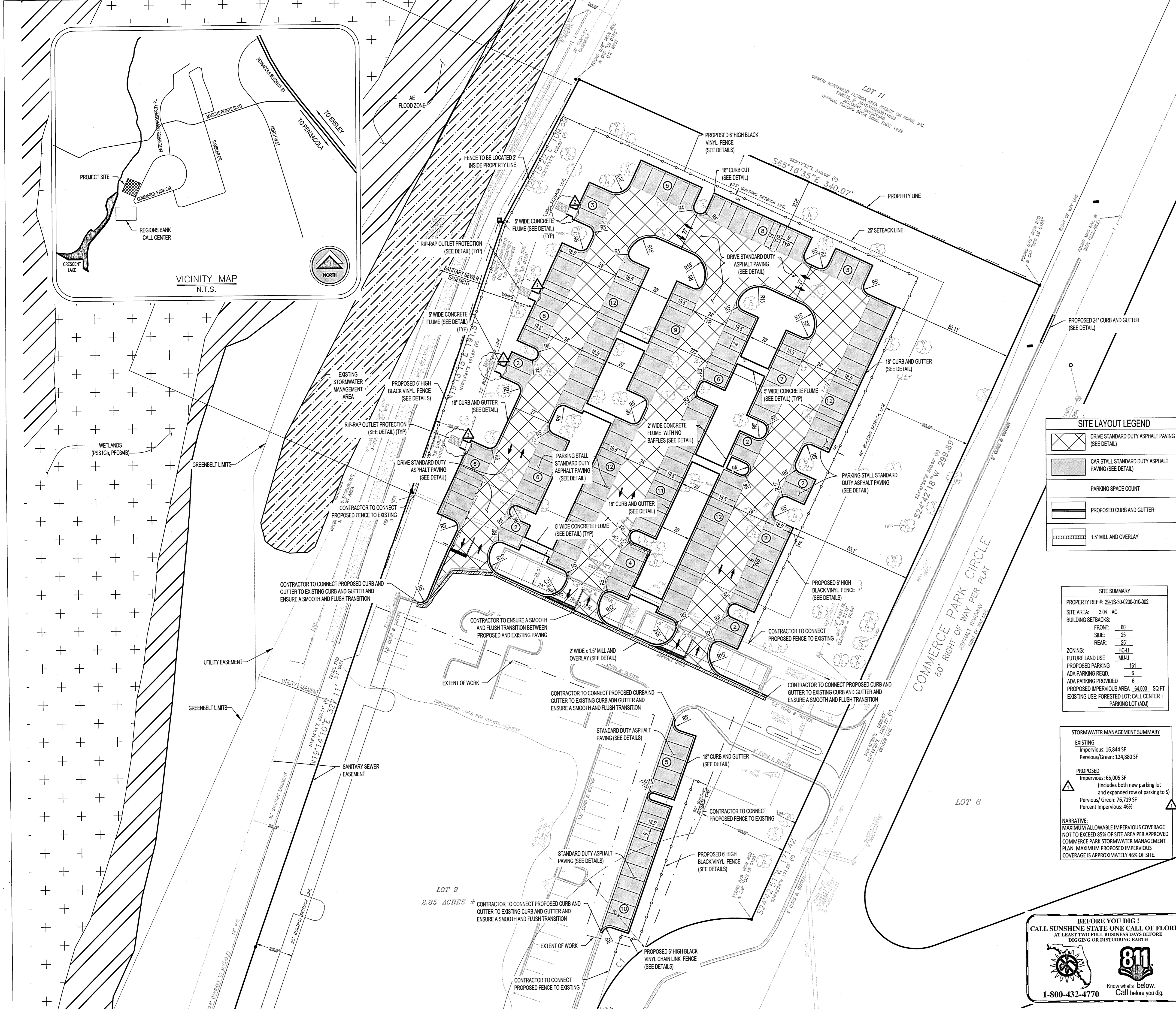
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NOTE: ELEVATIONS ON THESE PLANS REFERENCE NAVD 1988 VERTICAL DATUM.

11-2-16



SITE LAYOUT LEGEND

- DRIVE STANDARD DUTY ASPHALT PAVING (SEE DETAIL)
- CAR STALL STANDARD DUTY ASPHALT PAVING (SEE DETAIL)
- PARKING SPACE COUNT
- PROPOSED CURB AND GUTTER
- 1.5" MILL AND OVERLAY

SITE SUMMARY

PROPERTY REF #: 38-1S-30-0200-010-002
 SITE AREA: 3.04 AC
 BUILDING SETBACKS:
 FRONT: 60'
 SIDE: 25'
 REAR: 25'

ZONING: HC-L1
 FUTURE LAND USE: ML-L1
 PROPOSED PARKING: 181
 ADA PARKING REQD.: 8
 ADA PARKING PROVIDED: 8
 PROPOSED IMPERVIOUS AREA: 64,500 SQ FT
 EXISTING USE: FORESTED LOT, CALL CENTER + PARKING LOT (ADI)

STORMWATER MANAGEMENT SUMMARY

EXISTING
 Impervious: 16,844 SF
 Permeous/Green: 124,880 SF

PROPOSED
 Impervious: 65,005 SF
 (includes both new parking lot and expanded row of parking to S)
 Permeous/Green: 76,719 SF
 Percent Impervious: 46%

NARRATIVE:
 MAXIMUM ALLOWABLE IMPERVIOUS COVERAGE NOT TO EXCEED 65% OF SITE AREA PER APPROVED COMMERCE PARK STORMWATER MANAGEMENT PLAN. MAXIMUM PROPOSED IMPERVIOUS COVERAGE IS APPROXIMATELY 46% OF SITE.

- LAYOUT NOTES:**
- SEE SHEET C-2 FOR APPLICABLE NOTES.
 - ALL ELEVATIONS ON THIS PLAN REFERENCE NAVD 1988 VERTICAL DATUM.
 - LBVD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTORS WORK OR RESPONSIBILITIES. LBVD IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
 - ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ON-SITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBVD.
 - THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY LBVD OF ANY DISCREPANCIES PRIOR TO SUBMITTING PRICES OR ORDERING MATERIALS.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
 - ALL HANDICAP RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
 - ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED.
 - ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE CONSTRUCTION TRAFFIC CONTROL PLAN AND OBTAINING ANY REQUIRED APPROVALS FROM THE LOCAL JURISDICTIONAL AUTHORITY. THE SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL TAKE INTO ACCOUNT THE ENTERING AND EXITING OF CONSTRUCTION TRAFFIC ON THE ROADWAY AND THE IMPACT TO THE FLOW OF TRAFFIC. THIS PLAN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. THIS SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL BE IN ADDITION TO ANY TRAFFIC CONTROL PLAN PROVIDED IN THE PLAN SET FOR ROADWAY IMPROVEMENTS.
 - BOUNDARY AND TOPOGRAPHIC INFORMATION PERFORMED BY SOUTHEASTERN SURVEYING AND MAPPING CORPORATION 1130 HIGHWAY 90 CHIPLEY, FL. (850) 638-0790; CERTIFICATION NUMBER LB2108.

- SPECIAL NOTES PER ESCAMBIA COUNTY:**
- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED, AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
 - NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS OF OBTAINING A CERTIFICATE OF OCCUPANCY.
 - THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
 - ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER, AND MULCH, HYDROSEED, AND/OR SOD.
 - DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
 - CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF PONDS(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
 - THE OWNER OR HIS AGENT SHALL ARRANGE SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 652-5472. "AS-BUILT" CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
 - PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT SHALL BE OBTAINED FOR ALL RETAINING WALLS HIGHER THAN 2 FEET.
 - NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN RW; 1-800-432-4770.
 - ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.
 - THE CONTRACTOR SHALL NOTIFY PDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

SPECIAL NOTE:

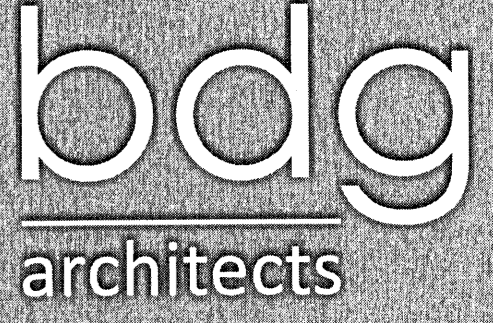
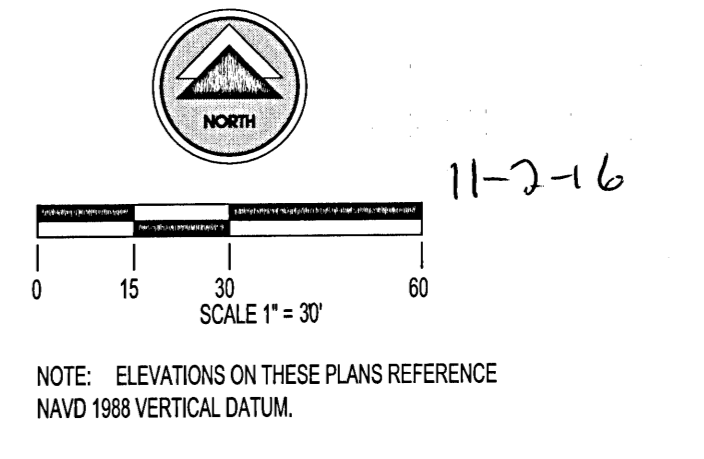
GREENBELT, WETLANDS, EASEMENTS, FLOOD PLAIN, AND EXISTING STORMWATER MANAGEMENT AREA WERE DERIVED AND DELINEATED FROM A COMBINATION OF INFORMATION FROM THE SURVEY PROVIDED BY SOUTHEASTERN SURVEYING AND MAPPING CORPORATION ON 06/03/2016, COUNTY GIS, AND MARCUS POINT COMMERCIAL PARK PLAT PG 12 PG 828 PORTION OF PLAT VACATED 4707 PG 846.

FLOOD PLAN NOTE:

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE AE, BASE FLOOD ELEVATION 42 (AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT DETERMINED BY DETAILED METHODS. BEES ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL #1200E0300G, MAP REVISION DATED SEPTEMBER 9, 2006.

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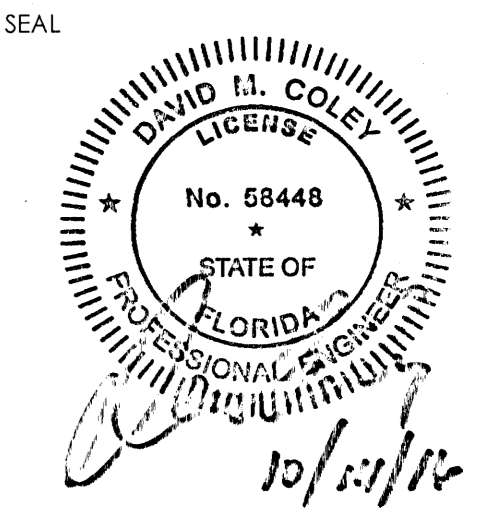
LBVD, Inc.
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 Civil and Structural Engineers
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 Main (256) 533-1575
 Fax (205) 488-0226

PROJECT NO.
 302-16-016
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ADDENDUM #1	10/6/16	
ADD #2 - PERM. DISSIPATORS	10/11/16	
ADDENDUM #3	10/14/16	

PROJECT INFORMATION BLOCK

JOB #:	163252
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SHEET TITLE
 SITE LAYOUT PLAN
 SHEET NUMBER
 C-6.0



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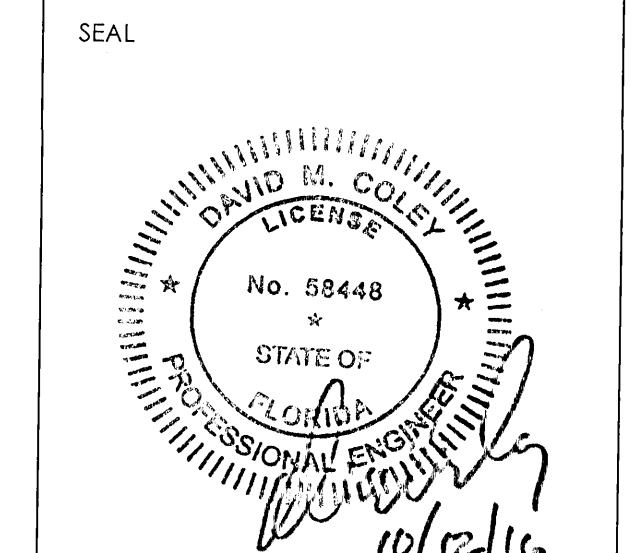
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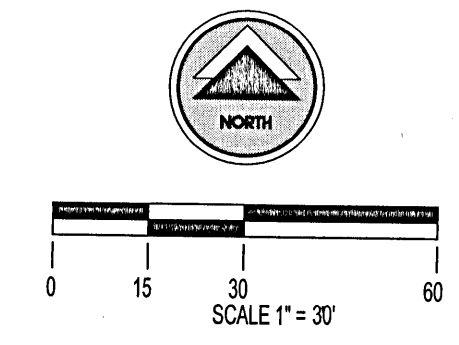
COORDINATES AND SIGNAGE PLAN

SHEET NUMBER

C-6.1

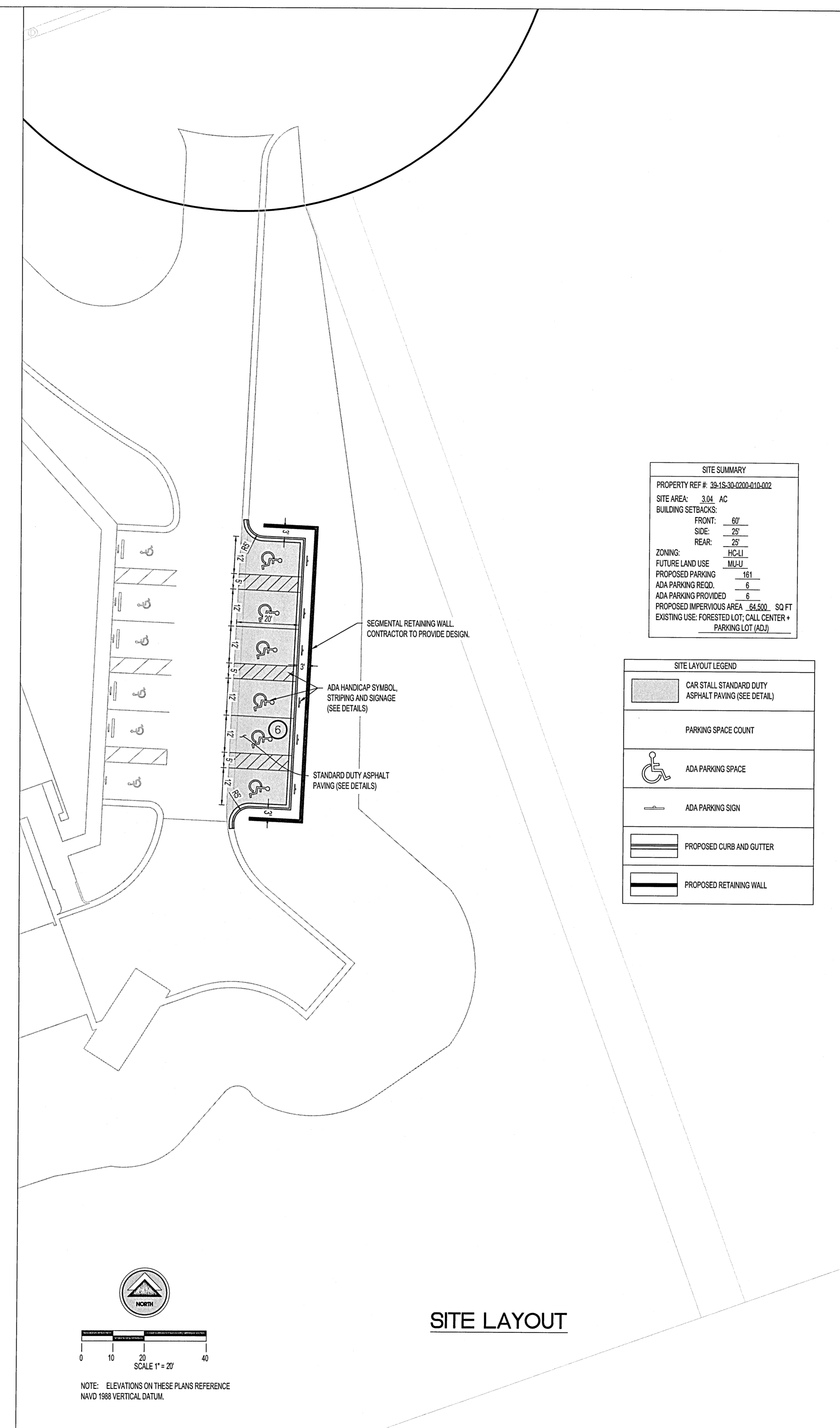
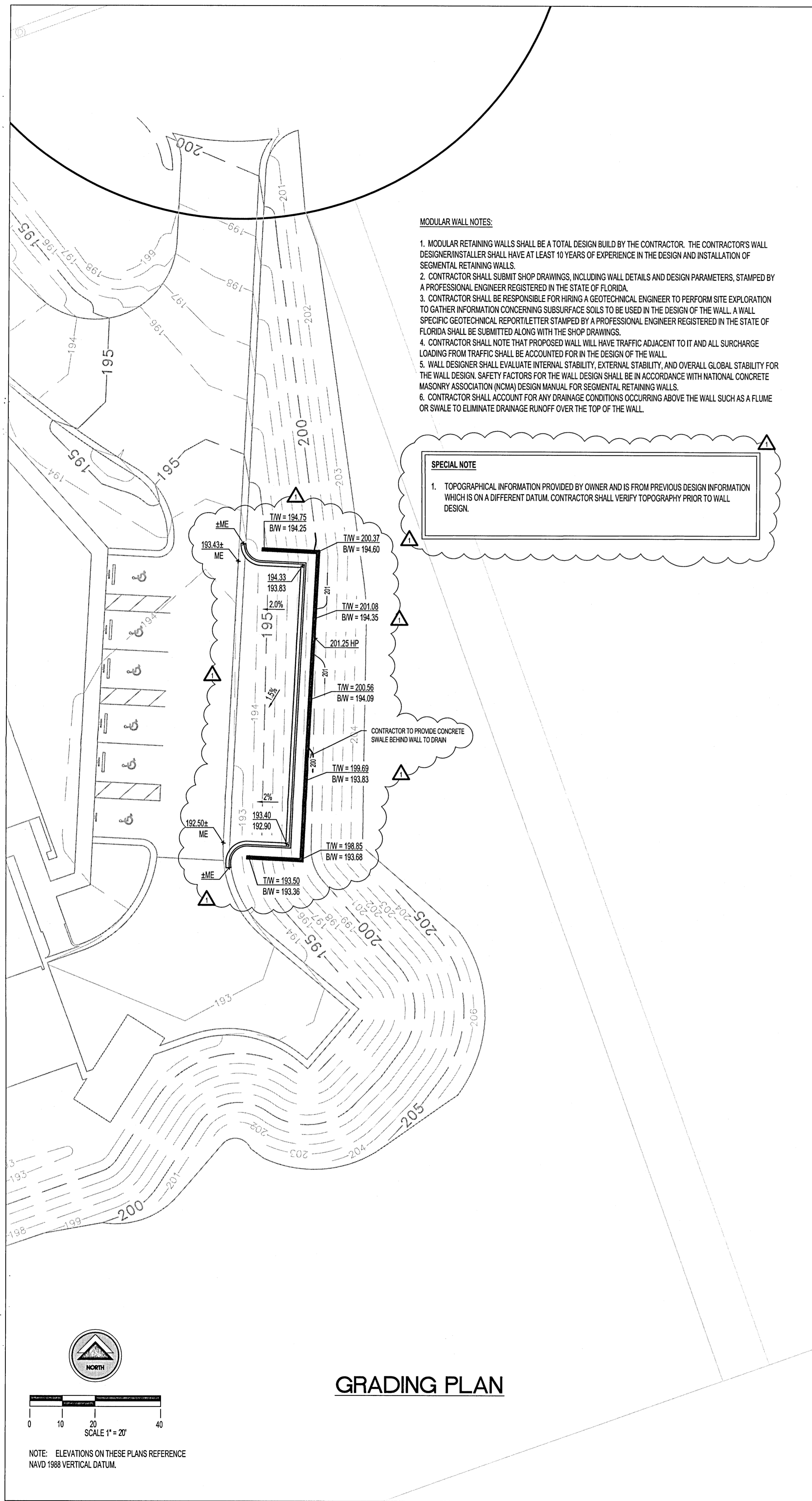
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NOTE: ELEVATIONS ON THESE PLANS REFERENCE NAVD 1988 VERTICAL DATUM.

11-2-16



LAYOUT NOTES:

- SEE SHEET C-2 FOR APPLICABLE NOTES.
- ALL ELEVATIONS ON THIS PLAN REFERENCE NAVD 1988 VERTICAL DATUM. LBVD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTORS WORK OR RESPONSIBILITIES. LBVD IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
- ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBVD.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY LBVD OF ANY DISCREPANCIES PRIOR TO SUBMITTING PRICES OR ORDERING MATERIALS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN HAND PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
- ALL HANDICAP RAMP, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
- ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED.
- ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE CONSTRUCTION TRAFFIC CONTROL PLAN AND OBTAINING ANY REQUIRED APPROVALS FROM THE LOCAL JURISDICTIONAL AUTHORITY. THE SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL TAKE INTO ACCOUNT THE ENTERING AND EXITING OF CONSTRUCTION TRAFFIC ONTO THE ROADWAY AND THE IMPACT TO THE FLOW OF TRAFFIC. THIS PLAN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. THIS SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL BE IN ADDITION TO ANY TRAFFIC CONTROL PLAN PROVIDED IN THE PLAN SET FOR ROADWAY IMPROVEMENTS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION PERFORMED BY SOUTHEASTERN SURVEYING AND MAPPING CORPORATION 1130 HIGHWAY 90 CHIPLEY, FL, PH: (850) 638-0790; CERTIFICATION NUMBER LB2108.

SPECIAL NOTES PER ESCAMBIA COUNTY:

- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED, AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- ALL ASPECTS OF THE STORMWATER DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
- NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS OF OBTAINING A CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER, AND MULCH, HYDROSEED, AND/OR SOD.
- DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS. CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- THE OWNER OR HIS AGENT SHALL ARRANGE SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 655-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
- PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN RW; 1-800-432-4770.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.
- THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

FLOOD PLAN NOTE:

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE AE, BASE FLOOD ELEVATION 42 (AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT ANNUAL CHANCE FLOOD EVENT DETERMINED BY DETAILED METHODS, BEFS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL #120E02030G, MAP REVISION DATED SEPTEMBER 9, 2006.

SPECIAL NOTE:

- BACKGROUND INFORMATION ON THIS SHEET IS NOT SURVEY INFORMATION. BACKGROUND IS FROM DESIGN INFORMATION PROVIDED BY OWNER. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

REGIONS FINANCIAL CORPORATION
 PENSACOLA CALL CENTER
 5080 COMMERCE PARK CIRCLE
 PENSACOLA, FLORIDA
 REGIONS PROJECT #FLS01524825P1F

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SEAL

DAVID M. COLEY
 LICENSE
 No. 58448
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

ISSUE/BY	DATE	DESCRIPTION
▲	10/6/16	ADDENDUM #1

PROJECT INFORMATION BLOCK

JOB #: 163252
 DATE: 9/6/16
 DRAWN BY: RAR
 CHECKED BY: DMC

SHEET TITLE

ACCESSIBLE PARKING

SHEET NUMBER

C-6.2

11-2-16

BEFORE YOU DIG!
 CALL SUNSHINE STATE ONE CALL OF FLORIDA
 AT LEAST TWO FULL BUSINESS DAYS BEFORE
 DIGGING OR DISTURBING EARTH

811
 Know what's below.
 Call before you dig.
 1-800-432-4770



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 1-800-432-4770

bdg
 architects

2100 1ST AVE. NORTH
 SUITE 100
 BIRMINGHAM, AL 35203

F: 205 - 252 - 8222
 F: 205 - 252 - 8899
 www.bdgllp.com

LBVD, Inc.
 C.O.A. #5125
 Civil and Structural Engineers
 300 East Clinton Ave. 3rd Fl.
 Huntsville, AL 35801
 Main (256) 533-1575
 Fax (205) 488-0226

LBVD
 PROJECT NO. 302-16-016

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CORPORATION
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REGIONS PROJECT #FLSO1524825PIF

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SEAL

DAVID M. GOLEY
 LICENSED PROFESSIONAL ENGINEER
 No. 58448
 STATE OF FLORIDA

David M. Goley

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK

JOB #:	163252
DATE:	9/6/16
DRAWN BY:	RAR
CHECKED BY:	DMC

SHEET TITLE

GRADING AND DRAINAGE PLAN

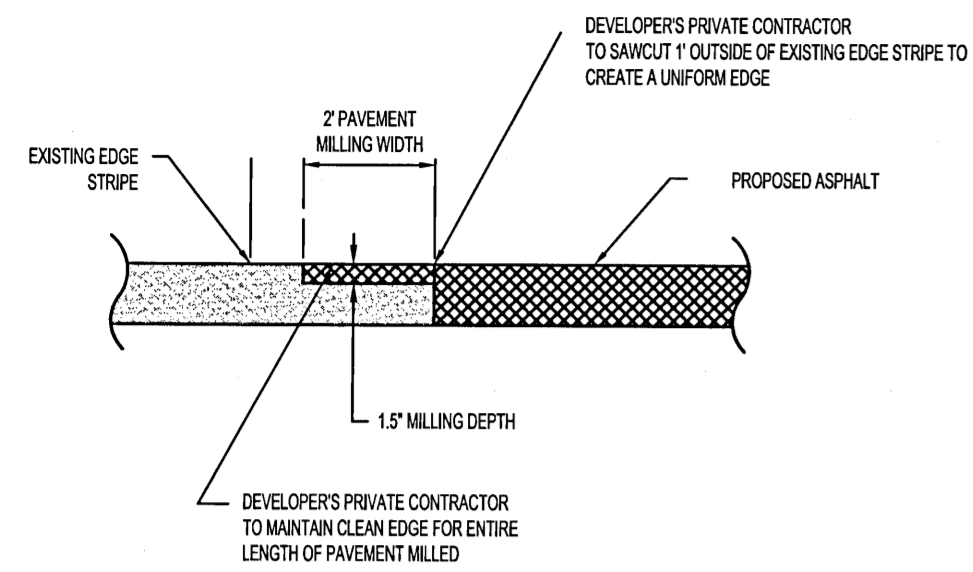
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C-7

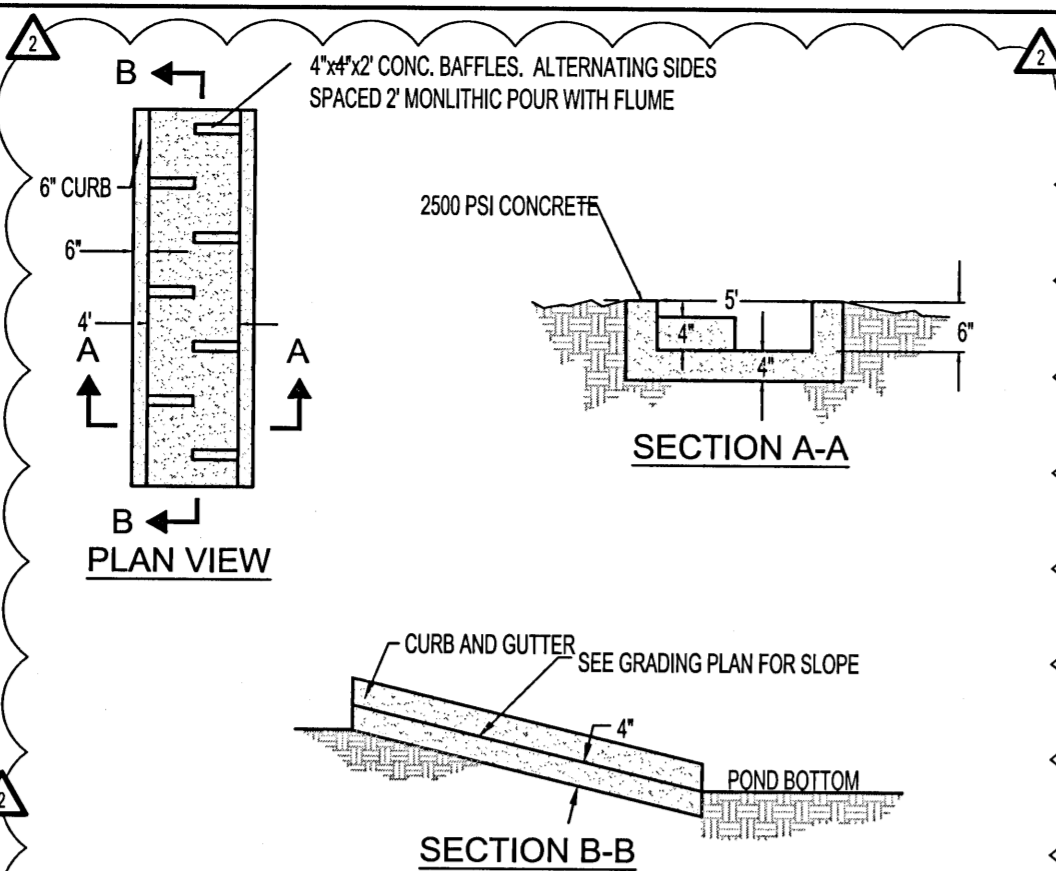
11-2-16

SCALE 1" = 30'

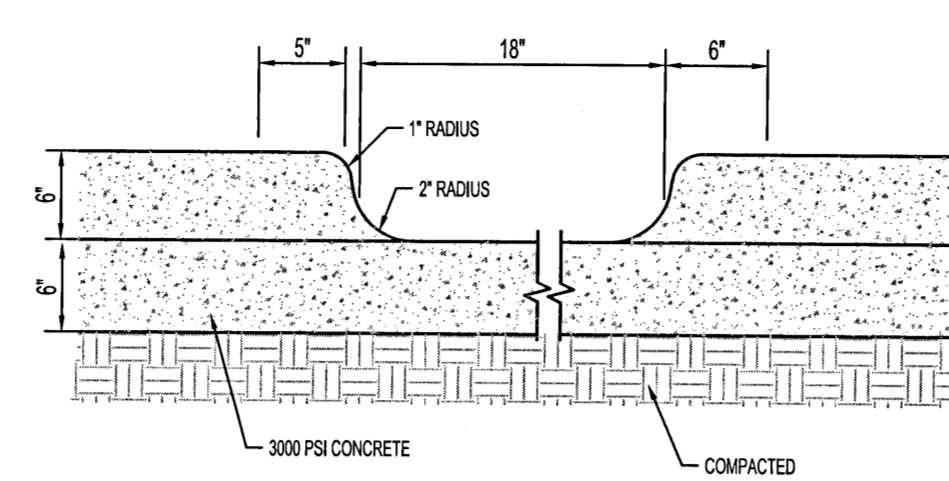
NOTE: ELEVATIONS ON THESE PLANS REFERENCE NAVD 1988 VERTICAL DATUM.



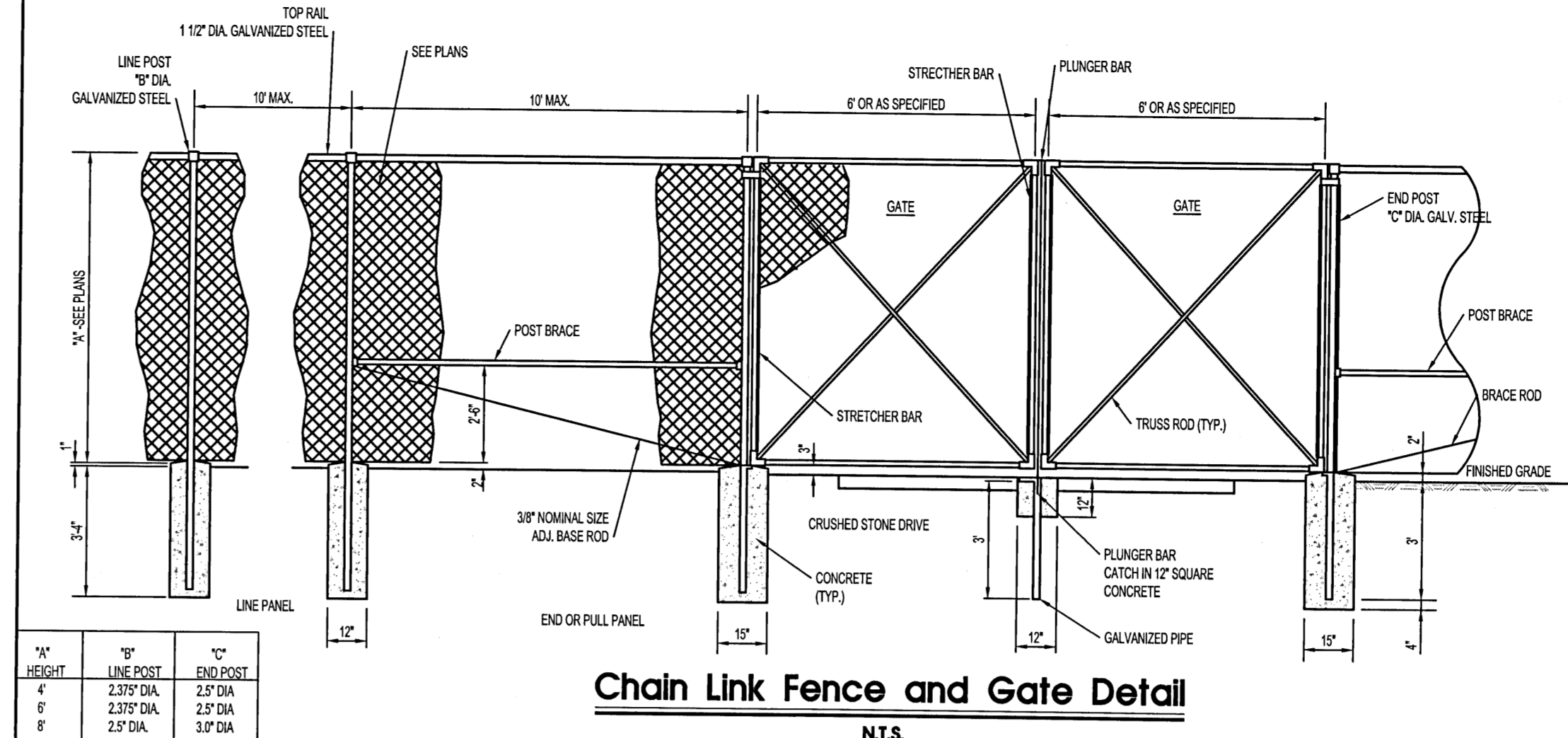
Longitudinal Asphalt Milling
N.T.S.



5' Wide Concrete Flume
N.T.S.



Curb Opening Detail
N.T.S.

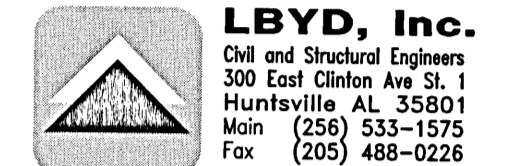


Chain Link Fence and Gate Detail
N.T.S.



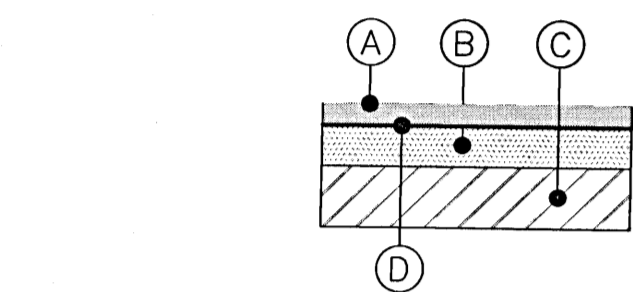
2100 1ST AVE. NORTH
SUITE 100
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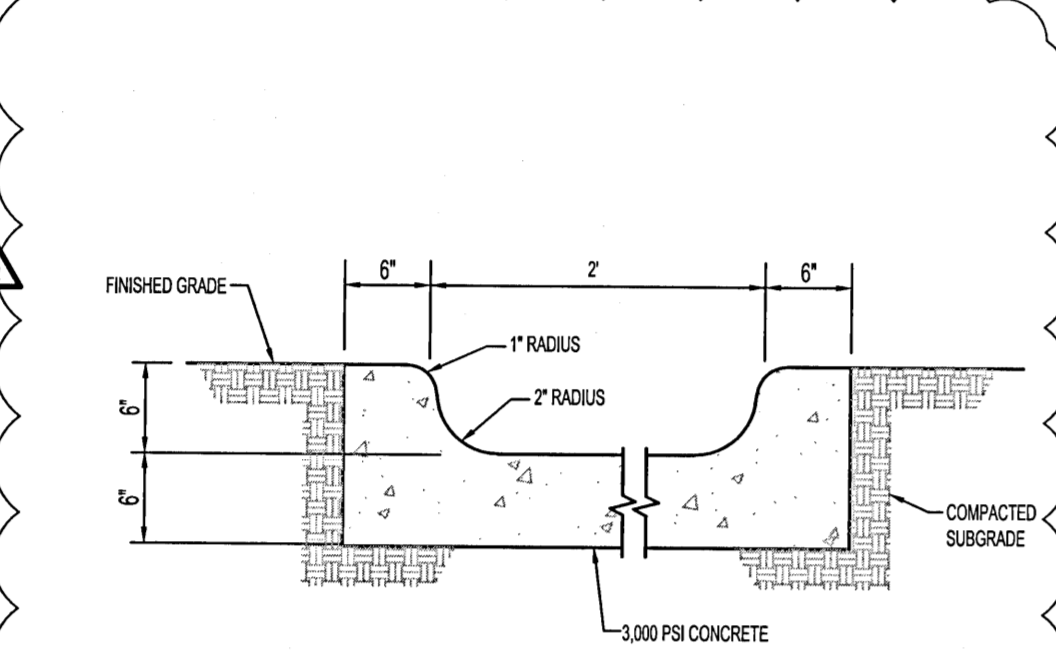
LBVD, Inc.
Civil and Structural Engineers
300 East Clinton Ave. St. 1
Huntsville AL 35801
(256) 533-1575
Fax: (205) 488-0226

PROJECT NO.
302-16-016
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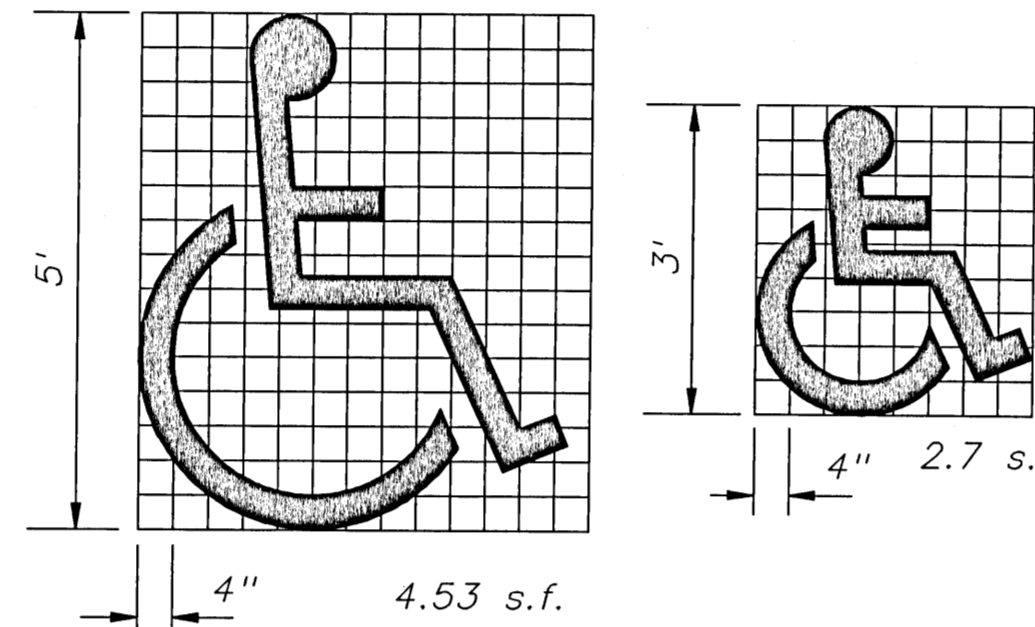


- (A) 1.5" FOOT TYPE S-1 ASPHALT CONCRETE WITH 95 PERCENT MARSHALL DESIGN DENSITY.
- (B) 6" LIMEROCK OR CRUSHED CONCRETE BASE WITH 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, ASTM D-558) TO YIELD MINIMUM LBR = 100. (PER FOOT REQUIREMENTS)
- (C) 12" SUBGRADE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.
- (D) PRIME OR TACK COAT. (PER F.D.O.T. SECTION 300)

CAR STALL STANDARD DUTY ASPHALT
N.T.S.

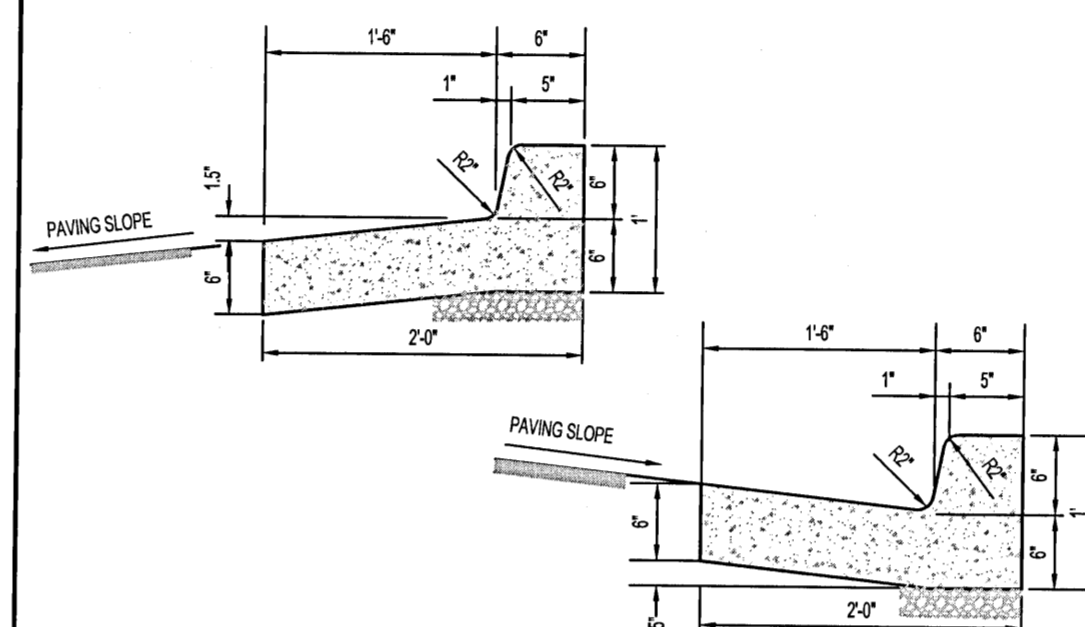


Concrete Flume with No Baffles
N.T.S.

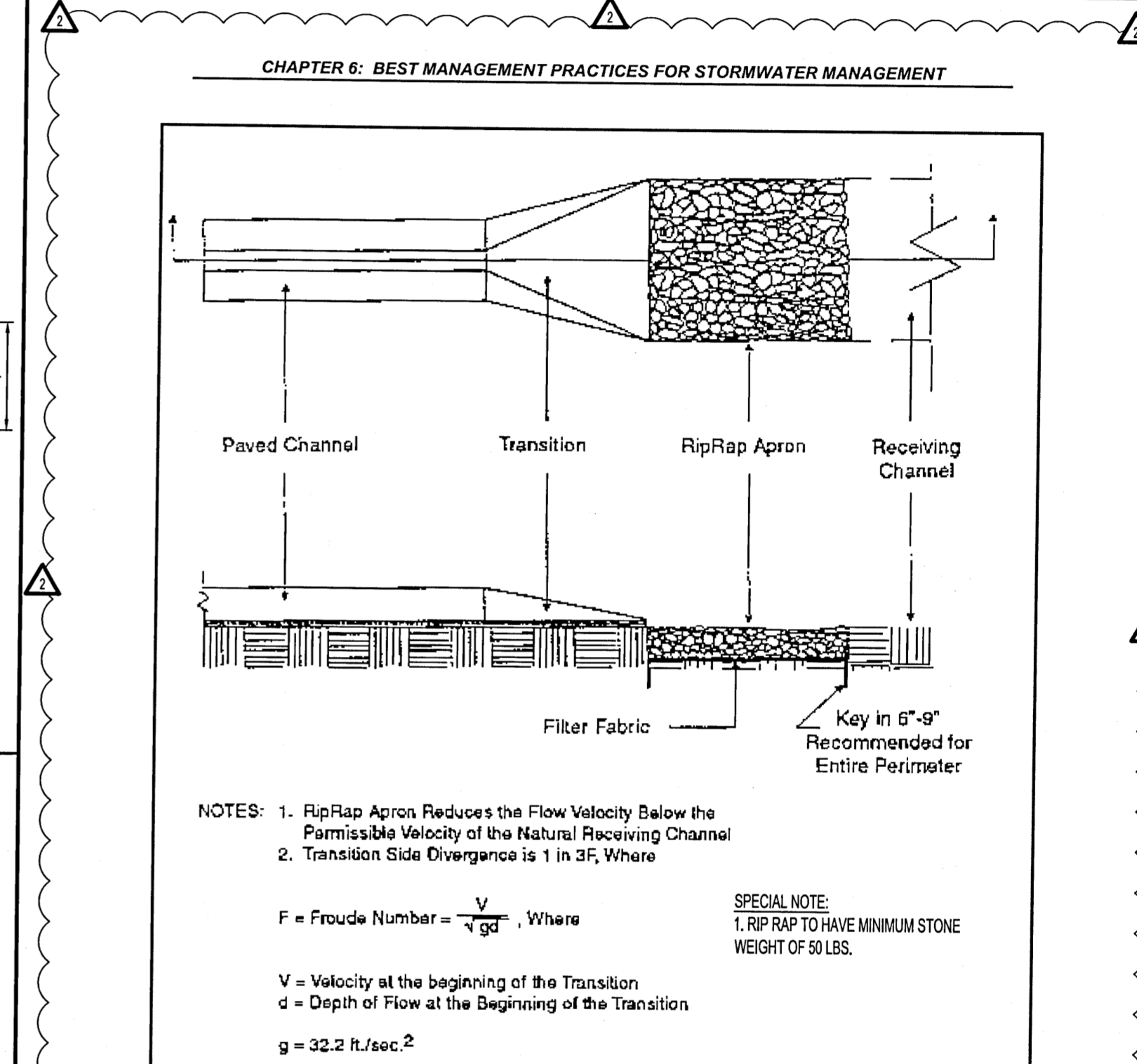


5' AND 3' ACCESSIBLE PARKING SYMBOL
PER FOOT INDEX NO. 17346 (12 OF 14)

Handicap Symbol
N.T.S.



24" Curb & Gutter
N.T.S.



CHAPTER 6: BEST MANAGEMENT PRACTICES FOR STORMWATER MANAGEMENT

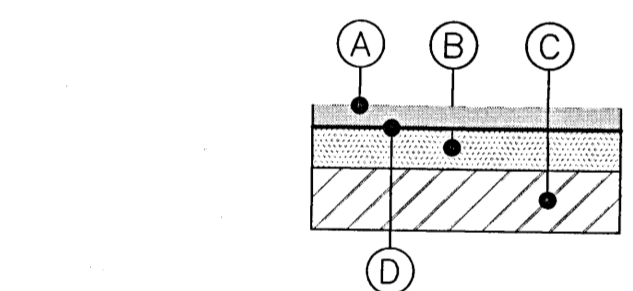
NOTES: 1. Rip-Rap Apron Reduces the Flow Velocity Below the Permissible Velocity of the Natural Receiving Channel
2. Transition Side Divergence is 1 in 3F, Where

$F = \text{Froude Number} = \frac{V}{\sqrt{gd}}$, Where
V = Velocity at the beginning of the Transition
d = Depth of Flow at the Beginning of the Transition
g = 32.2 ft./sec.²

SPECIAL NOTE:
1. RIP RAP TO HAVE MINIMUM STONE WEIGHT OF 50 LBS.

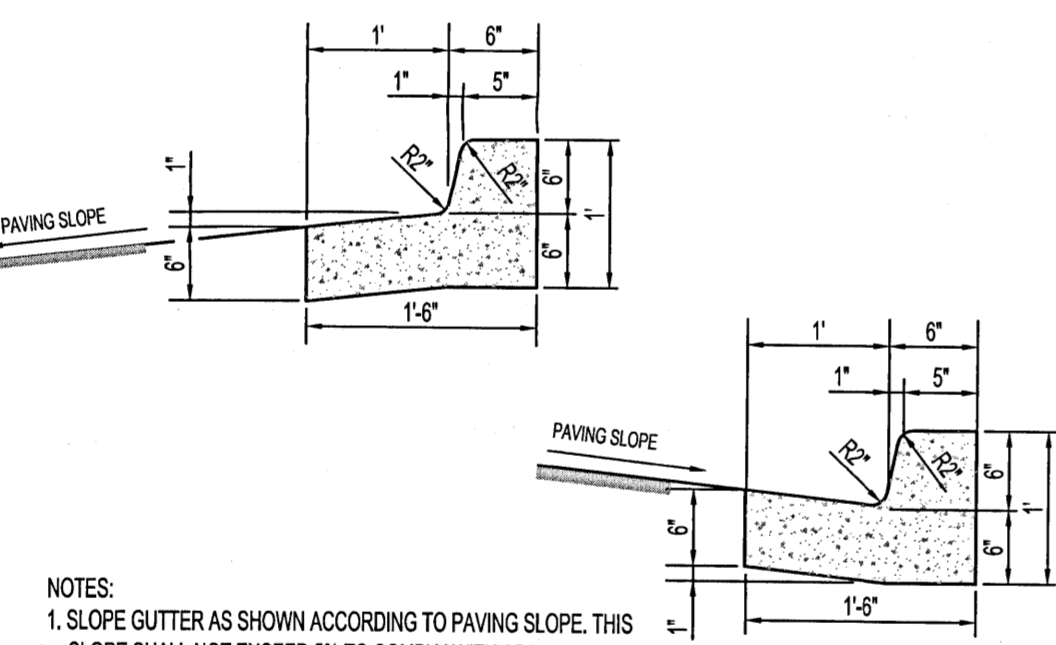
Figure 6.14d. Paved Channel Outlet
Source: Virginia DSWC

Rip-Rap Outlet Protection
N.T.S.

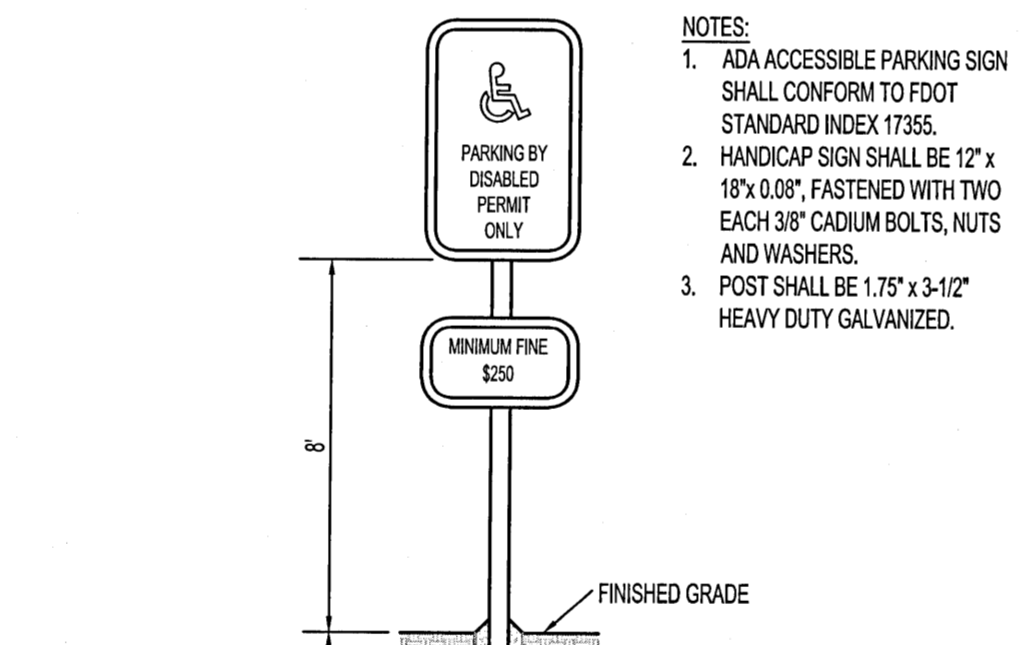


- (A) 2.5" FOOT TYPE S-1 ASPHALT CONCRETE WITH 95 PERCENT MARSHALL DESIGN DENSITY.
- (B) 6" LIMEROCK OR CRUSHED CONCRETE BASE WITH 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557, ASTM D-558) TO YIELD MINIMUM LBR = 100. (PER FOOT REQUIREMENTS)
- (C) 12" SUBGRADE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.
- (D) PRIME OR TACK COAT. (PER F.D.O.T. SECTION 300)

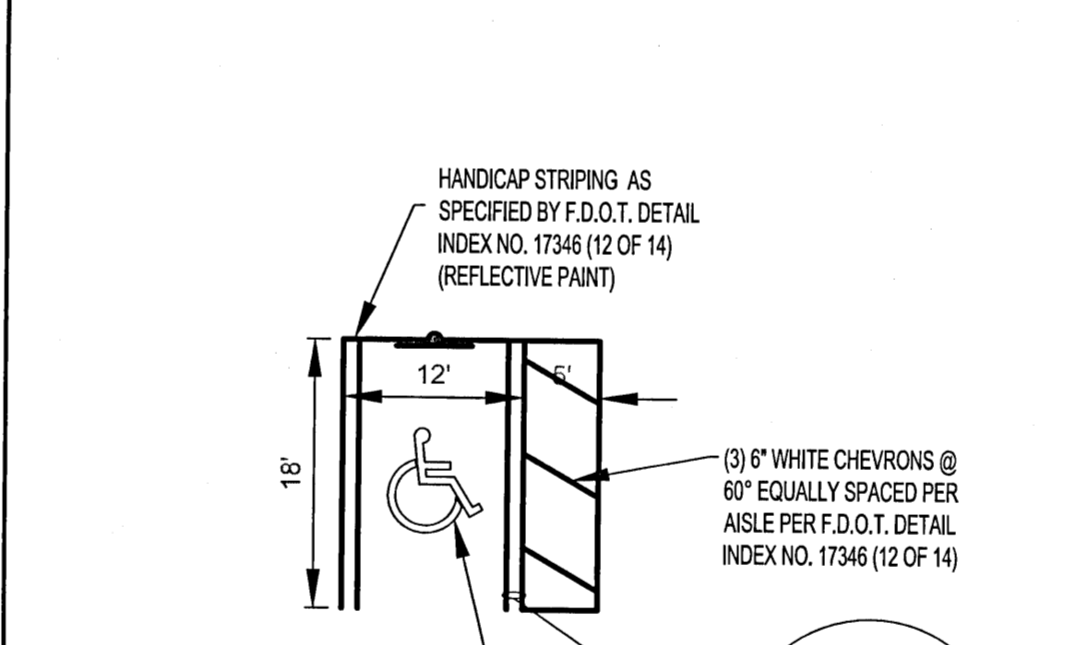
DRIVE STANDARD DUTY ASPHALT
N.T.S.



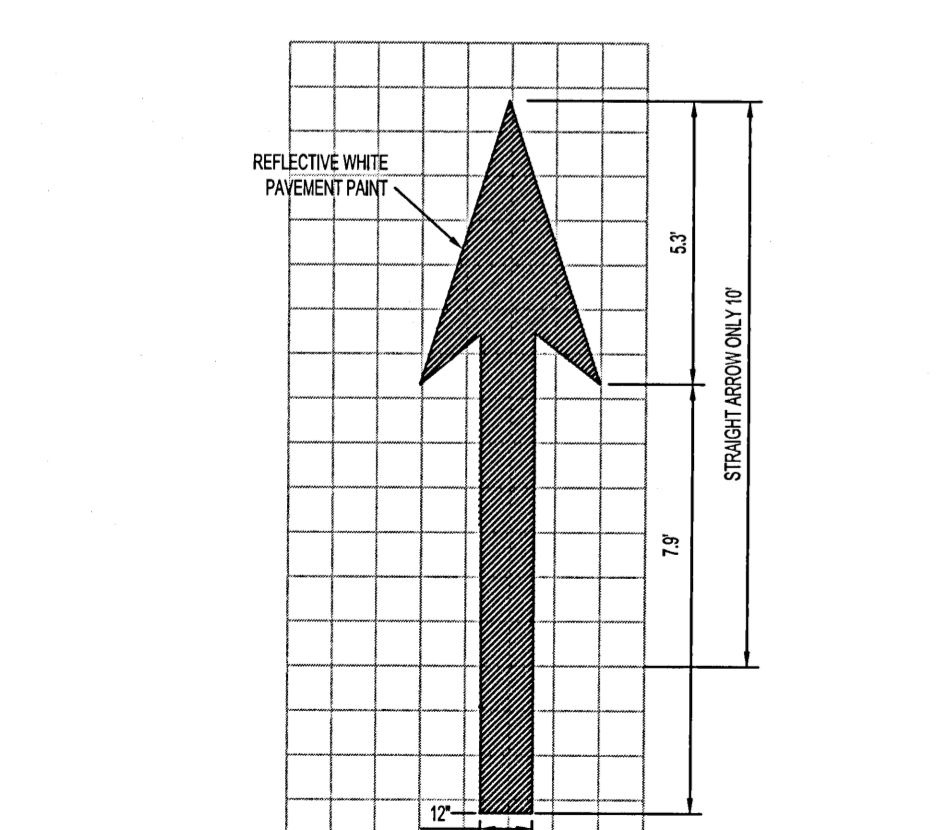
18" Curb & Gutter
N.T.S.



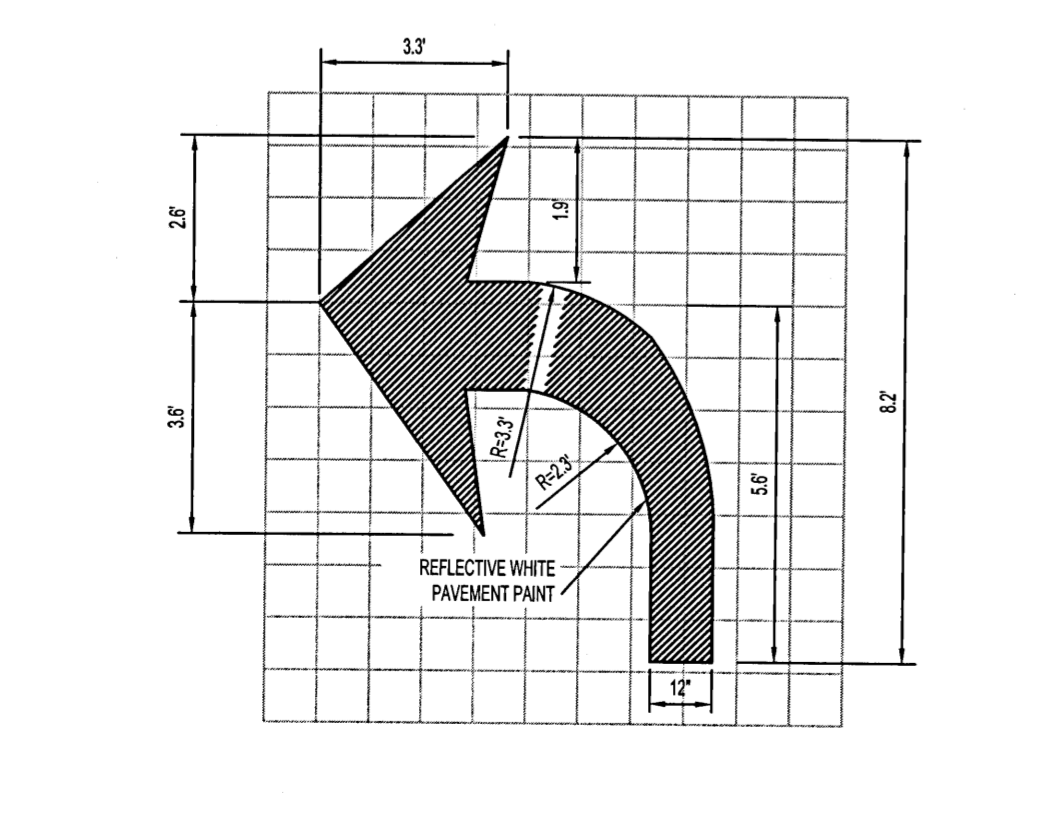
ADA Accessible Sign
N.T.S.



Handicap Symbol and Striping
N.T.S.



Painted Straight Arrow
N.T.S.

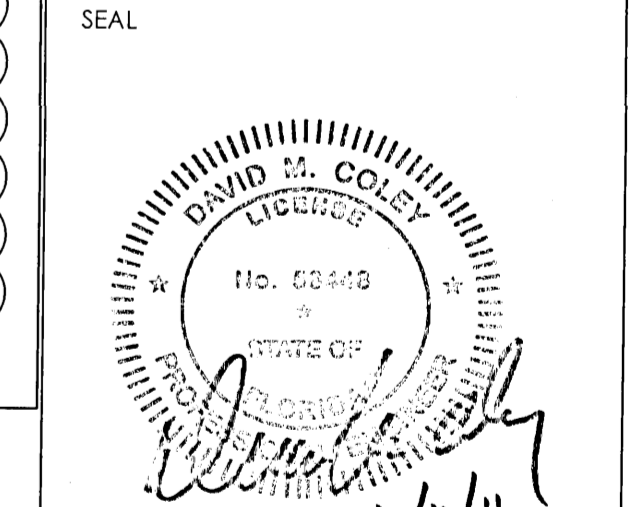


Painted Turn Arrow
N.T.S.

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ISSUE/REV	DATE	DESCRIPTION
1	10/11/16	ADD #2 - PERM. DISSIPATORS

PROJECT INFORMATION BLOCK	
JOB #:	163252
DATE:	9/6/16
DRAWN BY:	RAR
CHECKED BY:	DMC

SHEET TITLE	
CIVIL DETAILS	
SHEET NUMBER	

PART 1 - GENERAL

A. Extent of underground irrigation system is shown on Drawings and in the schedules.

1. Provide all labor, materials and equipment required by or inferred from Drawings and Specifications to complete the Work of the Section.
2. Provide additional Work and materials required by local authorities at no extra cost to Owner.
3. Contractor shall provide all permits, applications, licenses and other qualifications to complete work at no additional cost to owner.
4. Reference Standards: American Society for Testing and Materials, Annual Book of ASTM Standards, latest edition.

B. Codes and Standards: Perform Irrigation Work in compliance with applicable requirements of governing authorities having jurisdiction. Notify Landscape Architect in writing of all discrepancies immediately.

C. Do not make substitutions: If Contractor desires to make substitutions of materials; sufficient descriptive literature and material samples must be furnished to establish the material as an equal substitute. In addition, Contractor must state his reasons for desiring substitute materials. Submit this request and information to L.A. Architect.

D. Approval and Selection of Materials and Work: The selection of all materials and execution of all operations required under the Drawings and Specifications is subject to the approval of Owner and Landscape Architect. They have the right to reject any and all materials and any and all Work, which in their opinion does not meet requirements of the Contract Documents at any state of operations. Contractor to remove rejected work and materials from project site and replace promptly.

E. "As-Built" Drawings: Any changes in layout and/or arrangements of the proposed irrigation system, or any other differences between proposed system and actual installed conditions are to be recorded by Irrigation Contractor in the form of an "As-Built" Drawing. All drawings are to be clearly and neatly drawn on a Mylar septa base of original design. With accurate as-built drawn, contractor shall provide electronic PDF copy as part of closeout documents (landscape contractor shall obtain this service thru print house of their choosing). Provide Owner and Landscape Architect with a reproducible Mylar copy of the "As-Built" Drawings and electronic PDF before Work under this Contract will be considered for acceptance. All automatic and manual valves, hose bibs or quick couplers and wire splice shall be shown with actual dimensions to reference points so they may be located easily in the field. Submittal of approved "As-Built" Drawings will preclude any Application for Final Payment by Contractor.

F. Delivery, Storage and Handling: Deliver material and equipment in such a manner as to not damage parts or decrease the useful life of equipment.

1. Store materials away from all detrimental elements. Coordinate with General Contractor to secure a safe staging area.
2. Handle, load, unload, stack and transport materials for irrigation system carefully to avoid damage. Handle pipe in accordance with Manufacturer's recommendations.

H. Verify Tap: Test water conditions, as they exist immediately down stream from tap: if they do not meet design demands, notify Landscape Architect immediately of existing conditions.

I. The irrigation system is designed to operate under the following conditions, a minimum of 60 psi of water pressure at tap and at least 60# gpm available water supply. Tie to existing system and verify.

J. Job Conditions: Insurance on irrigation materials or equipment stored or installed is the responsibility of Irrigation Contractor. Such insurance shall cover fire, theft and vandalism. Should Contractor elect not to provide for such insurance, he will in no way hold Owner responsible for any losses incurred by the aforementioned acts. The Contractor is responsible for all costs incurred in replacing damaged or stolen materials.

1. Obtain all required permits and pay all required fees, at no additional cost to Owner. Any penalties imposed due to failure to obtain permits or pay fees are the responsibility of the Contractor.
2. Provide and maintain all passageways, guard fences, warning lights and other protection devices required by local authorities.
3. Existing site improvements shall be performed in a manner that will avoid possible damage. The Contractor is responsible for any damage of a mechanical nature as well as damage resulting from leaks in irrigation system whether due to negligence or otherwise.
4. Keep project site clean and orderly at all times during construction.

K. Sleeves are to be installed by the Irrigation Contractor.

- Coordination and scheduling for excavation of sleeve ends is the responsibility of the Irrigation Contractor.
1. Coordinate and schedule all Work with General Contractor.
 2. Damages resulting from irrigation installation to Work of other trades must be repaired at the expense of Contractor in a timely fashion.
 3. Make adjustments to system layout as may be required and requested to provide complete coverage at no additional cost to Owner.

L. Warranty: All Work for a period of one year, starting on Date of Substantial Completion, against defects in material, equipment, Workmanship and any repair required resulting from leaks or other defects of Workmanship, material or equipment.

1. Repair unsatisfactory conditions promptly at no cost to Owner.
2. Owner may make emergency repairs without relieving the Contractor of this warranty obligation.
3. Irrigation Contractor to repair setting of backfilled trenches occurring during warranty period, including restoration of damaged plantings, paving or improvements resulting from setting of trenches or repair operations.
4. Respond to Owner's request for repair Work within ten days. If not, Owner may proceed with such necessary repairs at Contractor's expense. In addition, Contractor shall be held responsible for replacement of any plant material (tree, shrubs, sod or seed) that becomes damaged or dies due to a lack of water during periods in which irrigation system is inoperable.

PART 1 - PRODUCTS

A. Specific requirements concerning the various materials and arrangements which safe to be installed are shown on drawings.

B. Quality and Size: Material specified by name and/or model number in the Specifications, on the site or detailed drawings are used for the purpose of identification of materials and to insure specific use of that material in the construction of the system. No substitutions will be permitted without approval. (See Substitutions).

1. Plastic pipe for all main lines is schedule 40 PVC white laterals 1 1/2 size and over is Class 200 PVC Type 1120 or 1220 as manufactured Cabot, John-Mansville (or approved equal) unless otherwise specified herein or on the drawings. All pipe, 1" size and less, is Class 160.
2. PVC pipe is to be continuously marked with Manufacturer's identification, type, class and size and installed with these markings on the top of the pipe.
3. All fittings should be Schedule 40 PVC Type 1, of domestic manufacture and identified as to pressure rating or schedule.

C. Solvent Weld: Solvent weld for PVC pipe over 20' length must be installed with standard 20' length sections. Unnecessary joints or couplings are not acceptable.

D. Risers: Provide threaded Schedule 80 PVC risers. All risers above grade to be either dark gray or black PVC pipe.

E. Electric Wiring: All 110 volt AC wiring to controller must consist of three wires: one black, one white and one ground. Electrical service to be provided by General Contractor unless otherwise directed by Owner.

1. All splices in controller wiring shall be waterproofed by using Rainbird "Snap-Tite" wire connectors.
2. All control wiring shall be 24-volt solid wire U.L. approved for direct burial in ground. Minimum wire size: 14 gauge.
3. All control wiring and wiring connections from controller to valves shall be included in this contract.

F. Sprinkler Heads: Provide as indicated on the plan. Heads perform to Manufacturer's specifications concerning radius of throw and volume in gallons per minute at given pressure. All sprinkler heads and hose bibs are to be on triple elbow swing joints.

G. Automatic Controller: Is to be installed in the location (shown on drawings/identified by owner's representative). The controller location will be accessible as shown on drawing for maintenance. Provide for the possibility of making minor timing adjustments to the controller in the field.

1. Provide controller specified on drawing, fully automatic capability as well as manual operation of the system.
2. Irrigation Contractor to coordinate sleeve through wall for irrigation controller (with General Contractor). General Contractor to provide power to controller. Coordinate with General Contractor.
3. Provide controller specified on drawing that operates on a minimum of 110 volts AC power input and is capable of operation of 24-volt AC electric remote control valves, with a reset circuit breaker to protect from overload. Contractor is responsible for connection to 100V AC power to controller.

H. Stations: Each station shall have a time setting knob that can be set for variable timing increments from 6 to 60 minutes, or set to omit the station from irrigation cycle.

1. The controller, Rainbird clock, pedestal mounted. (Refer to plan for station amounts) A master "on-off" switch shall allow the valve power output to be interrupted without affecting the controller.
2. Controller Construction: The controller must be constructed so that all internal parts are accessible through controller door without disturbing cabinet installation.

I. Water Meter: By Irrigation Contractor. Install meeting local requirements

J. Backflow Preventer: By Irrigation Contractor. Install meeting local requirements

K. Pressure Regulator: Provide Wilkins #600 or equal.

L. Mastervalve: Rainbird # electric remote control valve w/brass body and bonnet. Valve shall be wired to open and close with each circuit valve. Size based on mainline.

M. Valve Boxes: Ametek 12" rectangular valve box with cover or jumbo mechanical box with cover and Ametek 10" round valve box with cover as indicated on drawings. Place a minimum of 6" depth of gravel under each valve box, meter, and pressure regulator and backflow preventer box.

N. Sleeves: Class 200 PVC Pipe Type 1120 or 1220: Size as indicated on Detail by Irrigation Contractor.

O. Hose Bibs: Hose bibs shall have an all cast brass or bronze body. Hose bibs to be 1/2" inside diameter and shall be installed below grade in Ametek 12" 18" valve boxes. The cover over hose bib boxes shall be clearly marked with "non-potable water".

P. Control Valves: Provide Rainbird Electric Remote Control Valve (size as indicated on Plan). Valve to conform to Manufacturer's Specifications concerning performance and at a given pressure.

Q. Surge Protection Equipment: Provide General Electric Lightning Arrestor #GL 15 CC B 007 for controllers not equipped with primary surge protection.

1. Provide secondary surge protection installed on the 24V AC valve control wiring for systems controlling 24V AC solenoid operated valves.
2. The Irrigation Contractor is responsible for determining whether the above mentioned surge protection equipment is provided for in controller as a "built-in" unit or if it must be supplied and installed separately.

R. Isolation Valves: Provide all gate valves for isolation purposes allowing full diameter opening when in full open position.

1. Manually operated valves shall be same size as mainline.

S. Automatic Drain Valves: Install at low point for each lateral line "Rainbird 16AP" drain valve in gravel sump 12" x 12" in size and with a minimum of 18" of cover over sump.

Miscellaneous System Components: Provide risers, reducers, couplings, adapters, and fittings as necessary to complete irrigation system.

PART 2 - EXECUTION

A. Provide a competent superintendent and necessary assistants on the job while Work is progress. The Superintendent represents Contractor in all functions and directives given to him by Owner are binding as if given to Contractor in person.

B. During the installation Landscape Architect may make regular site visits and reject any Work and materials that do not meet the Standards called for in Contract Documents. Rejected work must be promptly corrected and no time extension will be allowed for this reason.

C. Inspection: Inspect project area prior to start of Work to determine that all site conditions are acceptable for irrigation Work to begin. Inform Landscape Architect of unsuitable conditions. Do not proceed with installation of irrigation system until unsatisfactory conditions have been corrected in a manner acceptable to installer.

D. Preparation: Flag all existing underground utilities prior to trenching and/or boring operations. Obtain utility locations from Owner and/or General Contractor and Utilize utility locating services when necessary.

E. Excavation: All excavation is unclassified and includes all materials encountered.

1. Prior to excavation, remove sod, preserve and replace after backfilling is completed.
2. After excavation and backfilling is completed, regrade trench area consistent with surrounding area and re-establish with 100 percent pure of type grass existing. Maintain as necessary for establishment and survival of grass.
3. Backfill material is to be free from rock, large stones and other unsuitable substances that could damage the pipe or create unusual settling problems. Back fill in 6" layers and tamp after each layer to prevent excessive settling.
4. Backfill trenches containing plastic pipe when pipe is cool to avoid excessive contraction in cold weather. Such backfilling can be done in early morning hours or pipe may be water cooled prior to backfilling procedure.
5. Backfill material evenly in lifts not to exceed 6" and compact to 100 percent of maximum density.

6. Contractor is responsible for establishing compaction in trenches equal to or exceeding overall compaction of paving base. Leave top of trench ready for asphalt by others. Minimum depth of cover of all pipe is as follows:

1. 2" - 1" pipe - minimum depth cover is 12"
- 1 1/2" - 1 1/2" pipe - minimum depth cover is 18"

F. Sleeving: Location of sleeving shown on plans is schematic. Sleeving Contractor to make adjustments necessary to accommodate existing vegetation, utilities and other existing conditions. Repair of damage to existing utilities, structures or other construction resulting from installation of sleeves is the responsibility of Sleeving Contractor. Verify those installed previous by others. Install PVC sleeves according to detail.

G. Pipe Joints: Follow Manufacturer's Recommendation.

1. Solvent weld PVC pipe, assemble according to Manufacturer's Recommendations, using appropriate PVC pipe cleaner/primer and solvent cement.
2. PVC to metal connection, Work metal connection first then use Teflon pipe fitting
3. Main line shall be installed according to Manufacturer's Recommendations

H. Pipe and Fittings Installation: Install according to Manufacturer's Recommendations including snaking-in of PVC pipe to prevent excessive strain when contracting in cold weather. Solvent weld fittings must conform to Schedule 40 or Schedule 80 PVC dimensions and specifications for solvent weld fittings and as manufactured by Lasso, Inc.

I. Lateral lines and risers shall be as follows:

1. Install according to Manufacturer's Recommendations using standard techniques
2. Combine lateral lines and main supply lines in common trenches wherever possible with specified minimum depth of coverage over all pipe (see Backfilling).
3. Install riser such that no excessive movement occurs while sprinkler head is in operation.
4. Height of risers to be in accordance with planned and existing plant material. Height of all risers is subject to approval of Landscape Architect. Exchange of 4" pip-up to 12" high pop-in field by Landscape Architect is incidental.
5. Plug lines immediately upon installation to minimize infiltration of foreign matter.
6. Flush lateral lines and risers prior to installation of sprinkler heads.
7. Above ground risers must be dark gray or black in color.

J. Sprinkler Heads: Low pop-up sprinkler heads shall be installed in such a manner that tip is 1" above finished grade. Where finish grade has not been established, extend a riser a minimum of 12" above existing grade to mark location of head. After finish grade is established, install heads at specified height on trip elbow swing joint; no flex pip will be accepted

1. High pop-up heads: High pop-up shrub heads shall have the finished height determined by Landscape Architect.
2. Backfill around sprinkler head assembly in such a manner that sprinkler head is stabilized so that no lateral motion is exhibited during operation.
3. Sprinkler Heads on Risers: Sprinkler heads on risers should be maintained on a schedule 80 PVC riser coupled by a Schedule 40 F.I.P.T. coupling (Lasso)

#420007) to polyethylene riser first out of lateral fitting. Height of all heads in bed areas to be determined in the field by Landscape Architect.

4. Install control wire in orderly fashion, locate in main line trench. Bundle wires together and tape at 10' intervals. Position wires under main line.
5. Allow for contraction of wires by providing looped slack at directional changes in supply line.
6. Keep wire splices to a minimum. All splices shall be waterproofed by using "Rainbird Snap-Tite" wire connectors. All splice locations to be indicated on "as-built" drawings.
7. Pass Wires under existing or future paving, construction, etc. through PVC sleeves provided by Irrigation Contractor.

K. Control Equipment: Install automatic valves and controller according to Manufacturer's Recommendations. Appropriate locations are shown on the drawings.

L. Valve Boxes: All valves are to be housed in valve boxes. Install according to Manufacturer's Recommendations and according to details. Position boxes at a height that will not cause them to interfere with maintenance machinery (e.g., mowers) and such that soil and mulch do not wash into the box. Locate all valve boxes within plant bed areas wherever possible.

M. Install surge protection equipment on primary (110 VAC) power lines. Connect each surge protect unit to at least on 5/8" diameter by 9' long copper clad grounding electrode driven into the soil to its full depth. Place electrodes no closer than 2' from controller cabinet or any control or power wire. Be consistent in locating ground rods throughout installation with respect to controller position and not locations on "As-Built" Drawings.

1. Ground wire between surge protection device and grounding electrode to be single to control unit. Route ground wire away from power and control wires where possible.
2. When it is necessary to pass through controller cabinet wall use two #1-7/8 copper grounding lugs and brass bolt as noted in detailed drawings. Use #WE 5/8" ground rod clamp (single piece and bolt) to make connection between ground rod a minimum of 10'. Cover the top of rod and clamp with a Toro #950-00 cover with lid at grade level.
3. Balancing and Adjusting: Balance and adjust the various components of system so that overall operation of the system is most efficient. This includes synchronization of controllers, adjustment to pressure regulators, part circle sprinkler heads and individual station adjustments on controllers. The Contractor has the right to call in the Designer or Owner's Representative to aid in balancing and adjustment of system.

N. Operational Testing: Upon completion of irrigation system and after head installation, test entire system for proper operation. Flush all air from system and check components for proper operation.

O. "As-Built" Drawings: "As-Built" Drawings are to include locations of all wire splices, valves (automatic and manual) with triangulated measurements to each location as well as any deviations in location of piping and heads as represented by Contract Documents.

P. Owner Orientation: Upon completion of Work and final acceptance by Owner and Landscape Architect, Contractor is responsible for orientation of maintenance personnel in the operation, maintenance and repair of system. Furnish copies of all available parts lists, trouble-shooting lists and specification sheets to Owner prior to final payment.

1. Set initial watering schedules and programming on automatic controllers at the direction of Landscape Architect. Changes in schedules and programming and instructions on how to make such changes are under the responsibility of the Landscape Architect.

Q. Winterizing the System: If Owner requires, irrigation piping must be winterized by first blowing system clear of water using compressed air (80 psi minimum) admitted into piping at a quick coupling valve or hose bib located at a higher elevation on the system piping. Activate individual zones, higher zones first, then proceed successively through the system towards lower elevations. Proceed through all zones twice. The air compressor used to winterize system must have an engine separate from compressor tanks to prevent high temperature air from being injected directly into PVC piping.

R. Clean Up: During Irrigation Work, keep project site clean and orderly. Upon completion of Work, clear grounds of debris, superfluous materials and all equipment. Remove from site to the satisfaction of Landscape Architect and Owner.

S. Protection: Protect Irrigation Work and materials from damage due to irrigation operations, operations by other contractors, trades and trespassers. Maintain protection until Date of Substantial Completion. Cover all openings into system as it is being installed to prevent obstructions in pipe and breakage, misuse or disfigurement of equipment.

1. Contractor is responsible for theft of equipment and material at job site before, during and after installation, until Date of Substantial Completion of the Work in total.

T. Inspection and Acceptance: Upon completion of Work, notify Landscape Architect and Owner at least three days prior to requested Date of Inspection for Substantial Completion. Prior to contacting Landscape Architect for the purpose of demonstrating all or any part of the system, thoroughly test the system for proper operation and make adjustments and replace any defective parts prior to inspection for Substantial Completion. Where inspected irrigation Work does not comply with requirements, replace rejected Work promptly, within two weeks of inspection. In unusual circumstances Owner may grant a longer time period. If such replacements are not completed within time specified, Contractor may be considered to be in default of Contract and Owner may use Contract Retainage to hire other Contractors to finish the Work.

PART 4 - ACCEPTANCE AND GUARANTEE

A. Substantial Completion: Submit written requests for inspection for Substantial Completion to Landscape Architect at least three calendar days prior to anticipated Date of Inspection and Testing. Substantial Completion cannot be granted, and at the same time no further applications for payment shall be approved for more than 85% of contract

until there has first been a walk-through for head coverage. At this time the Landscape Architect or Owner's Representative will prepare a "punch list" that consists of items to be addressed and corrected by Contractor immediately. Depending on the extent of the Work on the "punch list" the Landscape Architect will determine whether Substantial Completion is to be granted at that time or at a later date, pending the completion of the "punch list".

1. Submit record drawings and maintenance manuals to Landscape Architect with written request for inspection.
2. Review "punch list" Work jointly with Owner and Landscape Architect for Substantial Completion of total (contract) Work.
3. Upon satisfactory completion of repairs and replacements and completion of "As-Built" drawings, Landscape Architect and Owner will verify system for Substantial Completion and issue AIA Certificate of Substantial Completion if all items on "punch list" have been completed. If necessary another "punch list" will be written to itemize any deficiencies still existing and will be attached to AIA Certificate. Contractor shall complete all "punch list" items if possible within 30 days while continuing maintenance.

B. Date of Substantial Completion: Date of Substantial Completion will constitute beginning Date of One-Year Guarantee. This Date also constitutes the beginning of the warranty responsibilities and acceptance by Owner and Landscape Architect.

1. Guarantee all Work, products, equipment and materials for one year, beginning at Date of Substantial Completion as per Written letter of notification.
2. Make good any damage, loss, destruction or failure. Repairs and replacements shall be done promptly and at no additional cost to Owner.
3. Repair damage to grade, plants and other Work or property as necessary.
4. If replacement are not acceptable during or at end of Guarantee Period Owner may elect either subsequent replacement or credit. Replacement products shall have a similar one-year guarantee from time of replacement.
5. Guarantee applies to all unacceptable conditions or losses with exception of those due to acts of nature, vandalism or Owner neglect, as determined by Landscape Architect. Acts of Nature include, but may not be limited to, high winds or hurricane or tornado force, sleet, hail, freezing rain and extreme cold (as determined by Landscape Architect). Contractor agrees to replace losses due to Acts of Nature at fifteen percent (15%) less than original contract price for the damaged Work.

C. Final Inspection and Acceptance: One year after the Date of Substantial Completion of Work in total, the Landscape Architect and Owner will verify system for Final Acceptance. Upon satisfactory completion of repairs and/or replacements Landscape Architect certifies, in writing, the Final Acceptance of Work.

1. At the end of Guarantee Period and upon request for inspection, jointly review all guaranteed Work for Final Acceptance.
2. Submit written request for inspection for Final Acceptance to Landscape Architect at least two weeks prior to anticipated Date of Inspection; include list of Work Substantially Complete and list of Work replaced during Guarantee Period.
3. Upon completion by Contractor of all required replacements, Owner and Landscape Architect will confirm the Date of Final Acceptance of Work.

End of Section



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SEAL

L. J. [Signature]
10-17-16

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK	
JOB #:	163252
DATE:	09-06-2016
DRAWN BY:	JCO
CHECKED BY:	WRJ

SHEET TITLE
Irrigation
Specifications

SHEET NUMBER
GL-010



8118 1ST AVENUE NORTH / BIRMINGHAM, AL 35203
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PART 1 - GENERAL

- A. Extent of the planting is shown on the drawings and in the schedules.
 - Provide all labor, materials and equipment required by or inferred from the Drawings and Specifications to complete the work of this section.
 - Providing, placing, grading topsoil for landscape grading as indicated in the Drawings.
 - Providing and installing trees, shrubs, seeding and solid sod for landscape planting, as per details.
 - To successfully dig existing plants and store them on or off-site during construction for replanting on-site per plans where they will reestablish and thrive.
- B. Specified Maintenance Period, and One-Year Guarantee Period.
- C. Verify plant count from plan, and provide and install all plant material on plan.
- D. All plants shall conform to or surpass minimum quality standards as defined by the American Association of Nurserymen, current edition of American Standards for Nursery Stock published by American Association of Nurserymen, Inc. and in addition shall conform to sizes and descriptions in the plant list. All work to be performed by a firm specializing in Landscaping, not a subcontractor.
- E. Substitution from the specified plant list will be accepted only when satisfactory evidence in writing is submitted to the Landscape Architect, prior to submitting bid - tree list, showing that the plant material is not available. This list shall be submitted prior to submitting bid.
 - Requests for approval of substitute plant material shall include common and botanical names and the size of substitute material.
 - Only those substitutions of at least equivalent size and having essential characteristics similar to the originally specified material will be approved. The Landscape Architect will issue acceptance or rejection of substitute plant material in writing.
- F. Approval and selection of materials and work: The selection of all materials and the execution of all operations required under the Drawings and Specifications is subject to the approval of the owner and Landscape Architect. They have the right to reject any and all materials and any and all Work, which in their opinion does not meet the requirements of the Contract Documents at any stage of the operations. Remove rejected Work and materials from the Project Site and replace promptly at no additional cost to the owner.
- G. Workmanship. Install all plant materials neatly.
 - Make minor adjustments to layout as may be required and requested by Landscape Architect at no additional cost to the owner.
 - Coordinate delivery of all plant material with time of installation to prevent any plant material from being stockpiled on site longer than 24 hours.
 - Deliver materials in such manner as to not damage or decrease the health and vigor of the plant materials.
 - Store materials away from detrimental elements. Coordinate with General Contractor to secure a safe staging area.
 - Handle, load, unload, and transport materials carefully to avoid damage.
 - Maintain and protect plant materials as necessary to insure health and vigor.
 - Guarantee plant materials and lawn areas for one year from the date of substantial completion. Contractor shall replace plants that fail to grow properly with plants as originally specified at the earliest practical date following plant failure, without additional charges to the owner.
 - Replacement materials will be guaranteed for one year from the date of replacement.
 - The Contractor shall not be responsible for replacing plants that are damaged by abuse or improper maintenance by Owner as reported by Contractor outlined below or by acts of nature occurring after acceptance.
- H. Acts of nature may include, but may not be limited to high winds of hurricane or tornado force, sleet, hail, freezing rain and extreme cold (as determined by the Landscape Architect). Contractor agrees to replace losses due to Acts of Nature at fifteen percent (15%) less than the original contract price for the damaged work.
- I. Contractor's Periodic Inspection: During guarantee period, Contractor shall make periodic inspections of the project to satisfy himself that maintenance by the owner is adequate.
 - Any methods or products that he deems not normal or detrimental to good plant growth shall be reported to the Owner in writing.
 - Failure to inspect and report shall be interpreted as approval and the Contractor shall be held responsible for any and all necessary replacements.
- J. Soil Testing: Contractor shall have soil tested by a suitable laboratory chosen by the Contractor and subject to written approval of the Landscape Architect.
 - Soil test shall be completed in all planting areas to determine lime and fertilizer requirements. Submit test results to Landscape Architect for approval. Contractor shall adjust pH and fertility based upon these results. No addition to or placement of soil is to be done prior to initial soil test report approval.

II. PART 2 - PRODUCTS

- A. Topsoil: All topsoil shall be supplied from offsite stockpile and spread by the Landscape Contractor. The Landscape Contractor shall be responsible for fine grading. Topsoil shall be fertile, friable, sandy loam and a natural surface soil obtained from areas reviewed by Landscape Architect and possessing characteristics of representative soils in the project vicinity that produce heavy growths of crops, grass, or other vegetation.
- B. Topsoil shall be free of subsoil, brush, organic litter, or objectionable weeds, clay, clots, slumps, stones, roots or other material harmful to plant growth or hindrance to planting or maintenance operations. Should regenerative materials be present in the soil, Contractor shall eradicate and remove such growth, both surface and root, which may appear in the imported materials within 1 year following acceptance of the Work.
- C. Topsoil shall not be handled in a frozen muddy condition. The acidity range for topsoil to be placed in areas to receive solid soil shall be 6.0 - 7.0. The mechanical analysis of the soil shall be as follows:

Sieve Size	Percent Passing
1" mesh	99 - 100 percent
3/4" mesh	97 - 99 percent
No. 100 mesh	40 - 60 percent
No. 200 mesh	20 - 40 percent
- D. Topsoil, regardless of source, shall meet all requirements of the paragraph above. Stockpile material that does not meet the requirements may, at the option of the Contractor, be imported and approved by screening and the addition of organic matter and chemical admixtures.
- E. Planting Soil Mixture: Provide soil mix amended as per laboratory recommendations. Basic planting soil mix consists of:
 - 50% topsoil (as described above)
 - 50% prepared additives (by volume as follows)
 - 3 parts humus (forest peat or Nature's Helper)
 - 1 part sterilized cow manure, commercial fertilizer and lime as recommended in soil test analysis.
- F. The components shall be thoroughly mixed to uniform consistency by hand or machine methods prior to placement in and around plantings.
- G. Trees: All large deciduous shade trees and ornamental trees are to be field grown from rooted cuttings true to variety and not grafted material. No grafted material will be accepted for the initial installation or as guarantee replacement material.
- H. Alternate Growers - Will be considered by the Landscape Architect only if submitted with photographs of specified material within 10 days from date contract is awarded to General Contractor. The Landscape Architect will select and tag 100% of plant materials from acceptable alternate growers. The contractor will be responsible for all expenses related to tagging trips to alternate growers including usual fees charged by the Landscape Architect. The Contractor shall arrange for and provide transportation for the Landscape Architect. Contractor shall provide the Landscape Architect a minimum of three weeks advance notice. Contractor shall limit tagging trips to no more than two at

- a maximum of two days each. All tagging trips will be completed within 45 days from date contract is awarded to General Contractor.
- I. Contractor will submit confirmed orders from acceptable alternate growers within ten days of tagging by the Landscape Architect. Contractor is responsible for payment of deposits required by acceptable alternate growers.
- J. Fertilizer: Fertilizer for all trees, plants and ground covers shall be Sta-Green Nursery Special delivered to the site in unopened containers.
- K. Fertilize all areas according to the manufacturer's recommended rates in accordance with the monthly maintenance guidelines herein.
- L. Cultivate and waterbeds or pits through after application.
- M. Adjust fertilizer in accordance with interim soil test reports.
- N. Fertilizer for sod: Fertilizer for sod shall be Sta-Green and sod fertilizer containing the following percentages by weight:

18% nitrogen
24% phosphorous
10% potash
- O. Nursery Special or approved equal.
- P. Fertilizer shall be uniform in composition, dry and free flowing, and shall be delivered to the site in the original, unopened container, bearing correct Manufacturer's guaranteed analysis. Fertilizer shall not have been exposed to weather prior to delivery to the site. After delivery, until used, it shall be completely protected at all times. It shall not be stored in direct contact with the ground.
- Q. Plants: All plants shall conform to or surpass minimum quality standards as defined by the American Association of Nurserymen (AAN), current edition of American Standard for Nursery Stock published by the AAN, Inc. and in addition, shall conform to sizes and descriptions in the plant list.
- R. Certificates of Inspection for Plant Material: All necessary inspection certificates shall be supplied. If requested, to the Landscape Architect's representative for each shipment of plant material, as required by law. Certificates showing source of origin shall be filed with Landscape Architect prior to acceptance of the material.
- S. Inspection: All plant materials shall be subject to inspection and approval. The Landscape Architect reserves the right to reject any and all plant material that fail to meet this specification at any point during the installation of the job. The Contractor at no additional cost shall promptly remove all rejected materials from the site to the owner.
- T. Quality and size: All plant materials furnished shall be well branched, proportioned with to height, or normal habit, sound, healthy and vigorous in growth. The minimum acceptable sizes of plants shall be measured before pruning with branches in normal position and shall conform to measurements specified. Plants used where symmetry is required shall be matched as closely as possible. It is the responsibility of the Landscape Contractor to determine from the planting plan where matching plants should be used. Ask for clarification by Landscape Architect when necessary and do so before bids are submitted. Plants shall meet all requirements as listed in the plant list.
- U. Source of Plants: Plants shall be field nursery, container grown or collected material subject to the requirements of the Specifications.
- V. Field Tagged Plants: All deciduous and evergreen trees are to be sourced by the contractor at any of the approved nurseries, of the provided list, or equal as approved by the Landscape Architect. The owner will pay the Landscape Architect for tree tagging trips. The contractor should anticipate accompanying the Landscape Architect on the tagging trips but is not required to do so.
- W. Insect, Pests and Plant Diseases: All plants shall be of healthy stock, free from disease, insects, eggs, larvae and parasites of an objectionable or damaging nature.
- X. Substitutions: Substitutions from the specified list will be accepted only when satisfactory evidence in writing is submitted to the Landscape Architect, showing that the plant specified is not available. Requests for approval of substitute material shall include common and botanical names and size of plant material. Only those substitutions of at least equivalent size and having the essential characteristics similar to the originally specified material will be approved. The Landscape Architect will issue acceptance or rejection of substitute plant materials in writing. Substitutions may be made only prior to bidding.
- Y. Balled and burlapped plant material are to be wrapped with organic burlap wrapping only. Synthetic material will not be accepted. Remove all nursery-leaving straps once plant material is placed in the pit.
- Z. Guying of trees: Stakes for supporting trees shall be sound timber, straight, sized as shown in planting details and of sufficient length to adequately support the plant. All visible surfaces shall be painted flat black.
- AA. Deadmen or stakes for anchoring guy wires in the ground shall be of size, material and strength adequate to hold guy taut and maintain tree firmly in an upright position.
- BB. Wire shall be #12 gauge galvanized wire in double twisted strand to adjust tension.
- CC. Hose for encasing guy wires shall be new or suitable used 3/4" diameter rubber or plastic garden hose, black in color.
- DD. Wrapping material for trees with 2" caliper trunks or larger shall be standard crinkled paper cemented together with bituminous material in strips 8 to 10" wide.
- EE. Twine for tying wrapping material shall be lightly tarred, medium or sisal yarn, no synthetic cord shall be used.
- FF. Mulch: Pine bark mulch shall be clean, fresh, free of noxious weeds, seed, fire ants, Japanese beetles and/or fringed beetles.
- GG. Sod: Sod shall be 100% specified grass, free of weeds, freshly dug.
- HH. Lime: Ground calcitic limestone rock less than 65 percent total carbonates and magnesium, ground so that 50 percent passes 100 mesh sieve and 90 percent 20 mesh sieve.
- II. Inoculants: Pure culture of nitrogen-fixing bacteria prepared specifically for the legume species. A mixing medium as recommended by the manufacturer shall be used to bond the inoculant to the seed.
- JJ. All necessary hand tools and materials typically used in planting operations.
- KK. Plastic labels or tags on which identification can be made.
- LL. Milorganite 5-1-1 fertilizer
- MM. Nature's Helper Soil conditioner
- LL. Foliar insecticide as needed to control damage
- MM. Anti-desiccant spray for minimizing transpiration during storage
- NN. Baling twine
- OO. Burlap - 36" wide, rolled.

PART 3 - EXECUTION

- A. Execution of Digging and Holding: All transplanting work, and storage of plants is to be carefully coordinated with the General Contractor. Prior to digging, thoroughly water all plant material to be dug to moisten the root area. Root-prune all plants using a sharpened shovel a minimum of one week in advance of the anticipated day when digging and storage will occur. Using a shovel, root-prune by encircling the plant to be dug by pushing the shovel down at a 75-85° angle not less than 10" deep. Do not attempt to lift the plant or remove it from its current location at this time. Prune the circle around the plant per the following root size schedule. Deep water each plant and foliar mist in the first day to help the plant transfer and mist during the first week and until the Contractor shall stop digging occurs. Not less than one week after the root pruning carefully dig each plant by using the shovel to raise the plant slowly and onto a sheet of burlap cloth twice the size of the root ball. The plant should be then carried to the holding area supported equally on all four corners. When the plant is laid down in the holding area, the burlap is to be folded over the root ball/mass and secured with baling twine. Then cover the entire root ball with a soil conditioner. Clum's "Nature's Helper" or approved equal, and thoroughly water. Do not allow the rootball/mass dry out during the transplanting process. All dug plants are to be maintained and watered continuously where held until such time that they can be replanted. Maintenance should include pruning to thin, removal of dead branches, wit-proof sprays, insect treatments, etc., in addition to regular watering.
- Root Ball Size:

Plant Height / Size	Minimum root ball diameter
10' - 12'	24" - 30"
8' - 10'	22" - 24"
4' - 8'	20" - 22"
12" - 4'	18" - 20"
1' - 12"	Spread of foliage
- B. Layout of major plants: Before commencing planting operations, location of major plants and outlines of areas to be planted shall be marked out on the ground, by the Contractor for approval by the Landscape Architect. Contact the Landscape Architect a minimum of 24 hours in advance of the anticipated review of the layout.
- C. Time and planting: Planting operations shall be during favorable weather in which conditions are neither extremely cold nor hot, nor to a point that the risk of less is too great. The Contractor shall inform the Landscape Architect of high risks due to weather.

- D. Preparation of planting beds: Landscape Contractor will provide and spread 4" topsoil and provide finish grades in all planting beds. The Landscape Contractor will fine grade and provide minimum 3% positive drainage in all beds. This is to include debris removal and any grading required bringing the finished grade to the proper level for planting trees, shrubs and ground covers. Landscape Contractor shall grade for proper drainage. Contractor shall anticipate and allow for setting of soils.
- E. Circular plant pits with vertical sides shall be dug by hand or machine methods for planting and transplanting of trees and shrubs. Sides of pits should be scarified to allow for water percolation.
- F. Shrub pit diameter shall be a minimum of one foot greater than the spread of the root mass.
- G. All transplanted material is to be replanted the same day it is dug.
- H. Test excavated plant pits to determine if sufficient drainage is present for proper plant survival.
- I. Fill the area between the pits, if the individual pits are arranged in a group, to the required grade with pine bark mulch to a depth of 3". Plant beds shall be neatly edged and kept free of weeds until the work is accepted.
- J. Excavation for planting ground covers: Ground cover beds shall be scarified by hand or machine method to a minimum depth of 6". 4" of pine bark additive and 20 lbs. / 1000 sq. ft. of Sta-Green Nursery Special fertilizer shall be uniformly incorporated into the soil to the full 6" of minimum depth.
- K. Drainage test for trees: Tree pits shall be filled with water. If percolation is less than 100% within a period of twelve hours, drill a 12" auger to a depth of 4' below the bottom of the pit. Reset the pit. In case drainage is still unsatisfactory, notify the Landscape Architect in writing of the condition before planting the trees in the questionable area. Contractor is fully responsible for warranty of the trees.
- L. Drainage Test for Plants and Ground covers: Plants and ground cover beds shall be spot tested.
 - Dispose of topsoil removed from landscape excavations. Do not mix with the planting soil. Do not use as back fill or for construct saucers around pits.
 - Balled and container plants shall be placed firmly upon scarified sub-grade and back filled with planting soil mixture. Remove all wire, cords, and burlap from top of root ball. Hand tam carefully around and under ball to fill all voids. Water during back filling. Form saucer from planting soil mixture in order to retain water.
 - Gently loosen outer roots of container grown plants to encourage outward growth.
 - Fertilizer shall be thoroughly mixed and soaked into the top two inches of soil for all plant pits.
- M. Setting plants: Set plants uniformly 2-4" higher than surrounding grade or as necessary to provide adequate positive drainage away from roots. Slope soil gradually from saucer.
 - Cut rope, wire or string from top of ball after plant has been set; turn down and bury burlap.
- N. Tree transportation: The Contractor shall be responsible not only for the safe transportation of the plants to the site but also their condition upon arrival. Trees with abrasions of the bark, sunscalds, fresh cuts, or breaks of limbs that have not completely callused will be rejected. The Contractor at no additional cost will replace trees that have been damaged during transit. All plant unit costs will reflect all above listed specifications.
- O. Tree tags: All plants accepted at the nursery by the Landscape Architect shall be tagged with serialized self-locking tags. Trees delivered to the site without these tags or with broken tags will be rejected. The tags shall remain on the trees until the Landscape Architect for their removal has given the Contractor instructions.
 - Tree tags shall be removed immediately following the final Punch-List. The Contractor will replace any trees on which tags remain and become in growth.
- P. Stockpile of trees: All plant material stored on site will be untied and/or loose for proper storage and inspections periodically.
- Q. Pruning deciduous trees: Deciduous trees and shrubs shall be pruned only to thin out heavy growth.
 - Do not top or remove terminal growing point or leader of any plant.
 - Cuts over 3/4" in diameter shall be painted with tree dressing paint. No paint containing lead shall be permitted.
- R. Guy trees 2" caliper and over: Space three guys equally about each tree, attached at approximately two-fifths up the trunk. Guys should be at a 45-degree angle from the ground plane and anchored in the ground with stakes. Guy to trunks with wire loops and black rubber hose drawn snug in all directions. These guys shall be equally taut.
 - Wrap trunks of deciduous trees larger than 2" caliper spirally with standard paper or fiber wrapping material from the base of the trunk to the second branch and the wrapping secured in place. Wrap the trunk with the plain side of the paper oriented together with no writing visible. Tie off wrapping with sisal yarn at 24" intervals.
 - Stake trees less than 2" caliper with two wood stakes driven two feet into the ground with the portion extending above the ground approximately 1/2 of the trunk height. Stake 12" from trunk, fastened at approximately two-fifths of trunk height with wire run through rubber hose.
- S. Mulch all planting beds and other areas designated to be mulched, with 3" settled depth of specified mulch type. Individual plants are to be mulched as detailed. Mulch is to be measured after settlement and maintenance as specified.
- T. Preparation of lawn areas: Fine grade all lawn areas to finish grade. All areas shall have smooth and continual grade between the existing and fixed controls such as walks and curbs. Roll, scarify, rake and level as necessary to obtain true, even and firm lawn surfaces. All finished grades shall meet approval of the Landscape Architect before sodding or seeding operations begin.
- U. Areas to receive sod: Landscape Contractor will provide 4" topsoil & grade to finish grade all areas to receive sod. The Landscape Contractor will be responsible for fine grading. This is to include debris removal and any grading required bringing the finished topsoil grade to the proper level for applying sod.
 - On this grade spread specified fertilizer as per manufacturer's recommendations and lime at a rate of 50 lbs. / 1000 sq. ft. evenly over all areas to receive grass. A soil test shall be made prior to the beginning of fertilizing and liming and the quantities of the lime and fertilizer shall be adjusted, if necessary, to achieve a pH of 6.0 to 7.0.
 - Scarfily prepared grade to depth of 6" thoroughly incorporating fertilizer and lime into the top 6" of existing soil in all areas to be grassed. Caution shall be exercised to avoid damage to underground utilities. All building debris, vegetation, sticks and stones over 3/4" in any dimension shall be removed and the surface leveled and smoothed.
- V. Sodding operations: Delivery of sod shall be scheduled so as to allow laying of sod without delay. No sod shall remain stacked longer than 24 hours. In the event that sod cannot be laid immediately upon delivery, Contractor shall lay sod on a designated site, to be approved by the Landscape Architect. No sod shall overlap and it shall be lightly watered as necessary to keep moist.
 - Lay sod when bed is not excessively wet or frozen, but when soil is moist to the depth of 2" minimum.
 - Lay sod so that no voids occur. Sod shall be tamped and rolled by hand methods. The completed surface shall be true to finish grade and even and firm at all points. Stagger the sod seams / joints.
 - Do not move heavy objects over areas to be sodded after the soil has been prepared.
- W. Removal of existing grass: The Landscape Contractor is to remove existing grass and weeds from all areas for planting and reseeding as designated on the plans. The existing stands are to be removed to a maximum depth of 1" so as not to disturb existing tree roots where present in those areas.
 - Aerate with a tined roller to break up the upper 3" lightly not to damage tree roots. Pick up solids for discarding and clean any roots damaged.
 - Spread a light layer of topsoil not more than 1" in depth over the aerated area and fine grade to meet acceptance by the Landscape Architect. Apply fertilizer and lime to these areas as specified previously under "Areas to receive sod" or "Preparation of planting beds" whichever the case may be.

IV. PART 4 - CLEANUP & PROTECTION

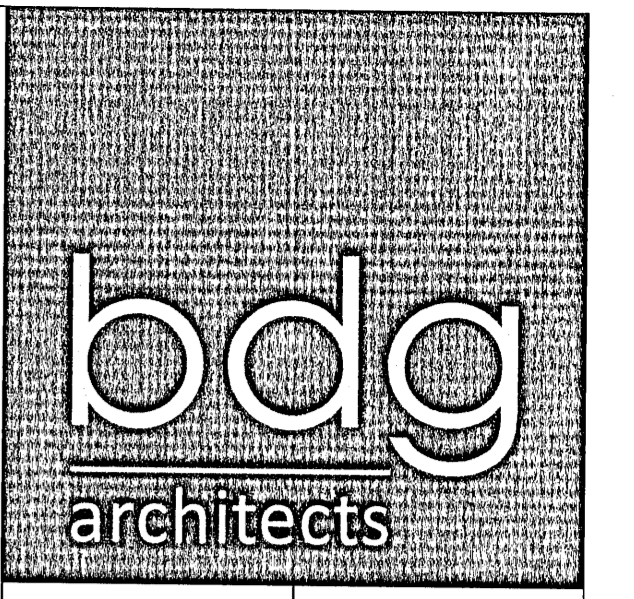
- A. Keep project site clean and orderly during planting operations.
- B. Clear ground of debris, superfluous materials and all equipment upon completion of Work. Remove from site to the satisfaction of the Landscape Architect and Owner.

- C. Protect all work and materials from damage due to landscape operations and operations by other contractors, trades and trespassers. Maintain protection until Date of Substantial Completion.
 - D. Contractor is responsible for theft of equipment and material at the job site before, during and after installation, until Date of Substantial Completion of Work in total.
- V. PART 5 - LANDSCAPE MAINTENANCE GUIDELINES
- A. Begin maintenance at commencement of Work of this section and continue until Substantial Completion, as part of Work of this section.
 - B. Continue maintenance for a Maintenance Period of thirty calendar days after date of Substantial Completion.
 - C. Provide labor, materials, equipment and means for proper maintenance of all materials and workmanship.
 - D. Supervision: submit a written report and conduct joint inspection with Landscape Architect maintenance program and procedures, at inspection for Substantial Completion.
 - E. Maintenance of trees, shrubs, sod and seed: Maintain all plants in a growing, well formed, healthy condition by watering, fertilizing, pruning, weeding, spraying, wrapping, straightening, replacement or by other necessary maintenance operations.
 - F. Watering: Monitor owner's automatic watering system and schedule for proper watering of all plant material.
 - G. Advise Landscape Architect immediately in writing of recommended alterations due to weather or other conditions.
 - H. Water landscaped areas not covered by automatic watering system as frequently as necessary to maintain proper moisture level, using the following schedule as a guide:
 - Twice a month during March, April, May
 - Once a week during June, July, August, September
 - I. No watering from October through February, except in drought conditions
 - J. Fertilizing
 - Mid March application of 23-3-3 (slow release nitrogen)
 - April 1 application of iron chelate
 - Mid April application of 12-6-6
 - August 1 application of 15-0-15
 - M. Mowing: Mow grass to a height of 2-2 1/2" when it reaches a height of 3", or as directed by Landscape Architect. Seeded and sodded lawns shall have at least one mowing before receiving Substantial Completion.
 - N. Resodding: Rework and resod areas that fail to show a uniform stand of grass. Perform work with the same kind of sod applied and repeated until all areas are covered with a uniform stand of grass.
 - O. Reseeding: Rework and reseed areas, which fail to show a uniform stand of grass. Perform work with the same kind of seed applied and repeated until all areas are covered with a uniform stand of grass.
 - P. Site annual planting: Replace annual plantings according to schedule in Drawings. Blooming plants shall be in bloom at the time of planting and shall be replaced as necessary throughout specified Maintenance Period to maintain blooming condition.
 - Q. Pruning: Remove dead wood as it becomes evident. Remove living portions of plants only at the direction of Landscape Architect.
 - R. Wit-proofing: Apply approved anti-desiccant to all evergreen trees during last week of October (except pines).
 - S. Spraying: For each spraying combine approved insecticide and fungicide to provide maximum protection for all plant materials. Three sprayings annually, in March, May and August.
 - T. Weeding: Two applications (Spring and Fall) of chemical pre-emergent spray, approved. Two applications (during growing season) of chemical contact spray (Round-up, by Monsanto, or approved equal). Two days per month (every two weeks) manual weeding (by hand) during the period from March 1 through September 30; remove all visible weeds.
 - U. Mulching: Keep planting areas neat and uniformly mulched to specified depth on a continuous basis. In addition to replacing and re-spraying mulch as necessitated during the maintenance period completely replenish mulch in all planting areas one time (during the last month of the one-year guarantee period or as directed by the Landscape Architect).
 - V. Straightening: Maintain plants in their stable upright position and at the proper grade by straightening and tightening staking and guying apparatus and as approved by the Architect.
 - W. Clean-up: Keep all planting areas neat, weeded and uniformly mulched on a continuous basis. Clean up adjacent walks and pavement where lettered as a result of maintenance operations, on a continuous basis.
 - The 30-day maintenance period following Substantial Completion will be considered a lump sum item to be addressed as an item included in the contract.

PART 6 - ACCEPTANCE & GUARANTEE

- A. Substantial Completion: Submit written requests for inspection for Substantial Completion to the Landscape Architect at least three calendar days prior to anticipated date of inspection and testing.
- B. Substantial Completion cannot be graded and at the same time no further applications for payment shall be for more than 95% or less if the owner requests of the Contract until there has been a walk-through for planting at which time a "punch-list" will have been consisting of items to be addressed and corrected by the Contractor immediately. Depending on the extent of work on the "punch-list", the Landscape Architect will determine the job to be "Substantially Complete" or pending the completion of the "Punch-List".
- C. Submit Record Drawings and Maintenance manuals to the Landscape Architect with written request for inspection.
- D. Review the "punch-list" work jointly with the Owner and Landscape Architect for Substantial Completion of the total (contract) work. (See "General Conditions" Article No. 9).
- E. Upon completion of repairs and replacements found necessary at the time of review, the Owner and Landscape Architect will confirm the date of Substantial Completion and issue the written notice if all items on the punch-list have been completed. If necessary, another punch list will be written to itemize any deficiencies still existing and will be attached to the written notice. The contractor shall complete all "punch-list" items if possible within 30 days while continuing maintenance.
- F. The date of Substantial Completion will constitute the beginning date of the One-Year Guarantee. This date also constitutes the beginning of warranty responsibilities and acceptance by the Owner and Landscape Architect.
- G. Guarantee all work, products, equipment and materials for one year, beginning at the Date of Substantial Completion as per written notice.
- H. Make good any damage, loss destruction or failure. Repairs and replacements shall be done promptly and at no additional cost to the Owner.
- I. Repair damage to grade, plants and other work as necessary.
- J. If the replacement is not acceptable during or at the end of the Guarantee Period, the Owner may elect either subsequent replacement or credit. Replacement products shall have a similar one-year guarantee from the time of replacement.

END OF SECTION



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PENSACOLA CALL CENTER PARKING LOT EXPANSION 5060 COMMERCE PARK CIRCLE PENSACOLA, FLORIDA 35205

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SEAL [Signature]

Table with 3 columns: ISSUE/BY, DATE, DESCRIPTION

PROJECT INFORMATION BLOCK table with fields: JOB #, DATE, DRAWN BY, CHECKED BY

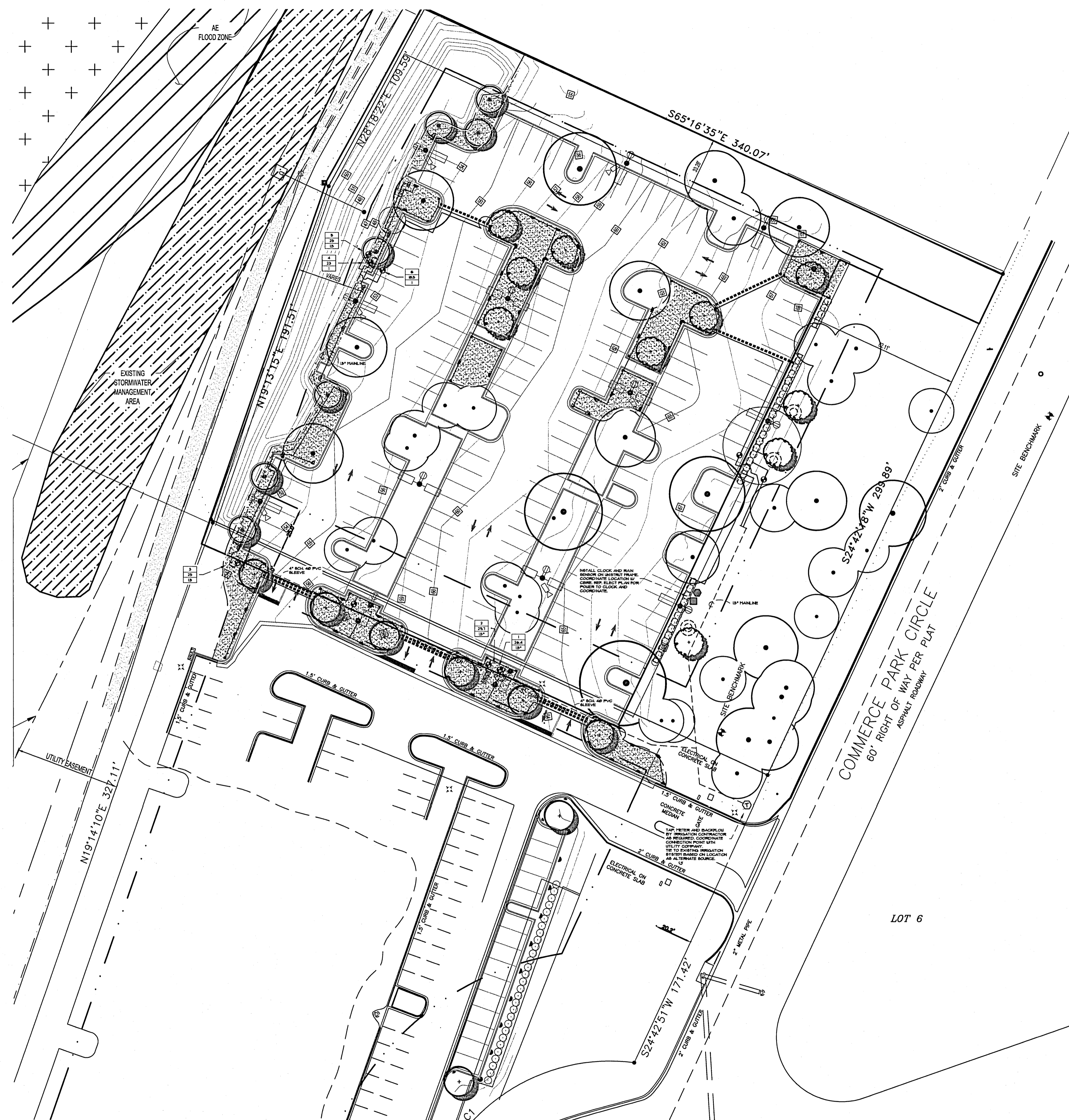
Landscape Specifications

SHEET NUMBER

GL-011



2312 1ST AVENUE NORTH / BIRMINGHAM, AL 35203 PH: (205) 254-4447 FAX: (205) 254-8808 WEB: JOHNSON-CO.NET



IRRIGATION LEGEND

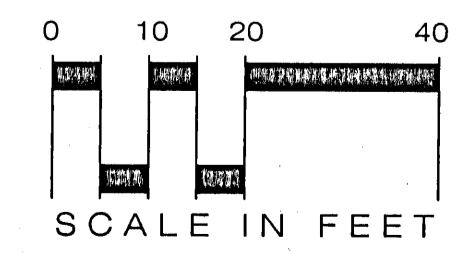
- RAINBIRD ROTORS - 5000-MFR PLUS-30 NOZZLE, 6" POP-UP, 360-90° ARCS
- RAINBIRD SPRAYS - 15 SERIES MFR, 6" POP-UP, 360-90° ARCS
- RAINBIRD SPRAYS - 10 SERIES MFR, 6" POP-UP, 360-90° ARCS
- RAINBIRD STRIPS - 15 STRIP SERIES, 6" POP-UP, END 4 SIDE STRIPS
- INDICATES HIGH POP
- RAIN BIRD FEB SERIES - SPRAY/DRIP ZONE
- ELECTRIC REMOTE CONTROL VALVE, SIZE AS PER DRAWINGS
- 3/4" BRASS QUICK COUPLING VALVE IN VALVE BOXES AS PER SPECIFICATIONS
- 1 1/2" MANUAL ISOLATION VALVE IN MAINLINE, STOCKHAM CLASS 150, B-103
- POINT OF CONNECTION - 1" TAP, BACKFLOW PREVENTER AND WATER METER BY LANDSCAPE CONTRACTOR
- MANUAL DRAIN VALVE AT LOW POINT IN MAINLINE
- RAINBIRD ESP-LX CLOCK - COORDINATE POWER REQUIREMENT W/ GENERAL CONTRACTOR
- RAINBIRD RAIN SENSOR - RSD-CGX, HARDWARE TO CLOCK - MOUNT ON ROOF EDGE
- MAINLINE SCH40 PVC, SIZE AS PER DRAWING
- LATERAL LINE CLASS 200 PVC SIZE AS PER DRAWING
- RAINBIRD XFS - SUB SURFACE DRIP LINE
- SLEEVING SCH40 PVC BY IRRIGATION CONTRACTOR SIZE AS PER DRAWING. COORDINATE WITH GENERAL CONTRACTOR
- TOP LINE * INDICATES CONTROLLER CIRCUIT NUMBER
- MIDDLE LINE * IS CALCULATED FLOW IN GALLONS/MINUTE
- BOTTOM LINE * INDICATES SIZE OF VALVE REQUIRED

NOTES

1. POWER TO CONTROLLER BY ELECTRICAL CONTRACTOR
2. EXACT LOCATION OF CONTROLLER TO BE COORDINATED IN THE FIELD
3. DRAWING IS DIAGNOSTIC, ALL LINES TO BE PLACED BACK OF CURB
4. ALL HEADS PLACED IN SHRUB BEDS UNLESS OTHERWISE NOTED
5. USE VARIABLE ARC SPRAY HEADS WHEN NECESSARY
6. THERE IS TO BE (1) 4" PVC SLEEVES EACH TIME MAINLINE CROSSES HARDSCAPE
7. THERE IS TO BE (1) 4" PVC SLEEVES WHEN THE LATERAL LINE CROSSES HARDSCAPE
8. ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR
9. VERIFY TAP - IRRIGATION CONTRACTOR TO TEST WATER CONDITIONS AS THEY EXIST IMMEDIATELY DOWN STREAM FROM TAP. IF THEY DO NOT MEET DESIGN DEMANDS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF EXISTING CONDITIONS.
10. MATCH PRECIPITATION RATES ON ALL CIRCUITS
11. ALL WORK MUST COMPLY WITH LOCAL CODES
12. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS
13. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
14. ALL 24 VOLT WIRE SHALL BE #12 UFIL FOR COMMON WIRE, AND #14 UFIL FOR CONTROL WIRES, DIRECT BURIAL, SOLID COPPER
15. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES
16. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING, I.E. VERIFY ROOTBALL SIZE FOR PLANTING
17. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES)
18. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR
19. ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER
20. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
21. TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS
22. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SUIVELS
23. 24 VOLT WIRE SHALL BE CO CODED - COMMON-UNITE, CONTROL-RED
24. CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE
25. ELECTRIC VALVE CONTROL WIRE TO BE 14 GAUGE MINIMUM. IRRIGATION CONTRACTOR MUST PLACE ONE EXTRA "HOT" WIRE AND ONE EXTRA "COMMON" AT FURTHEST VALVE IN EACH DIRECTION FROM CLOCK
26. ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2" FROM THE BACK OF CURBS WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE. ACTUAL HEAD PLACEMENT IN PARKING LOT ISLANDS IS TO BE 18" FROM BACK OF CURB FOR SHRUB PLANTINGS AND 6" FROM BACK OF CURB FOR LAUNES.
27. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE "DRY SPOTS"
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE UP TO FIVE % OF SPECIFIED HEAD TYPE. THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
29. DO NOT MAKE SUBSTITUTIONS. IF CONTRACTOR DESIRES TO MAKE SUBSTITUTIONS OF MATERIALS: SUFFICIENT DESCRIPTIVE LITERATURE AND MATERIAL SAMPLES MUST BE FURNISHED TO ESTABLISH THE MATERIAL AS AN EQUAL SUBSTITUTE. IN ADDITION, THE CONTRACTOR MUST STATE HIS REASONS FOR DESIRING SUBSTITUTE MATERIALS. SUBMIT THIS REQUEST AND INFORMATION TO LANDSCAPE ARCHITECT.

NOTE

1. IRRIGATION DESIGNED TO PROVIDE SEPERATION BETWEEN LAWN AND SHRUB ZONES WHERE POSSIBLE. CONTRACTOR IS NOT TO CHANGE ZONE SEPERATION FROM PLANS UNLESS PRIOR APPROVAL IS MADE.
2. AT TIME OF IRRIGATION PUNCH LIST-IRRIGATION TO BE RUN THRU USE OF ICR TRANSMITTER. CONTRACTOR TO INSTALL SMART PORT CONNECTOR DURING INSTALLATION.



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ISSUE/BY	DATE	DESCRIPTION

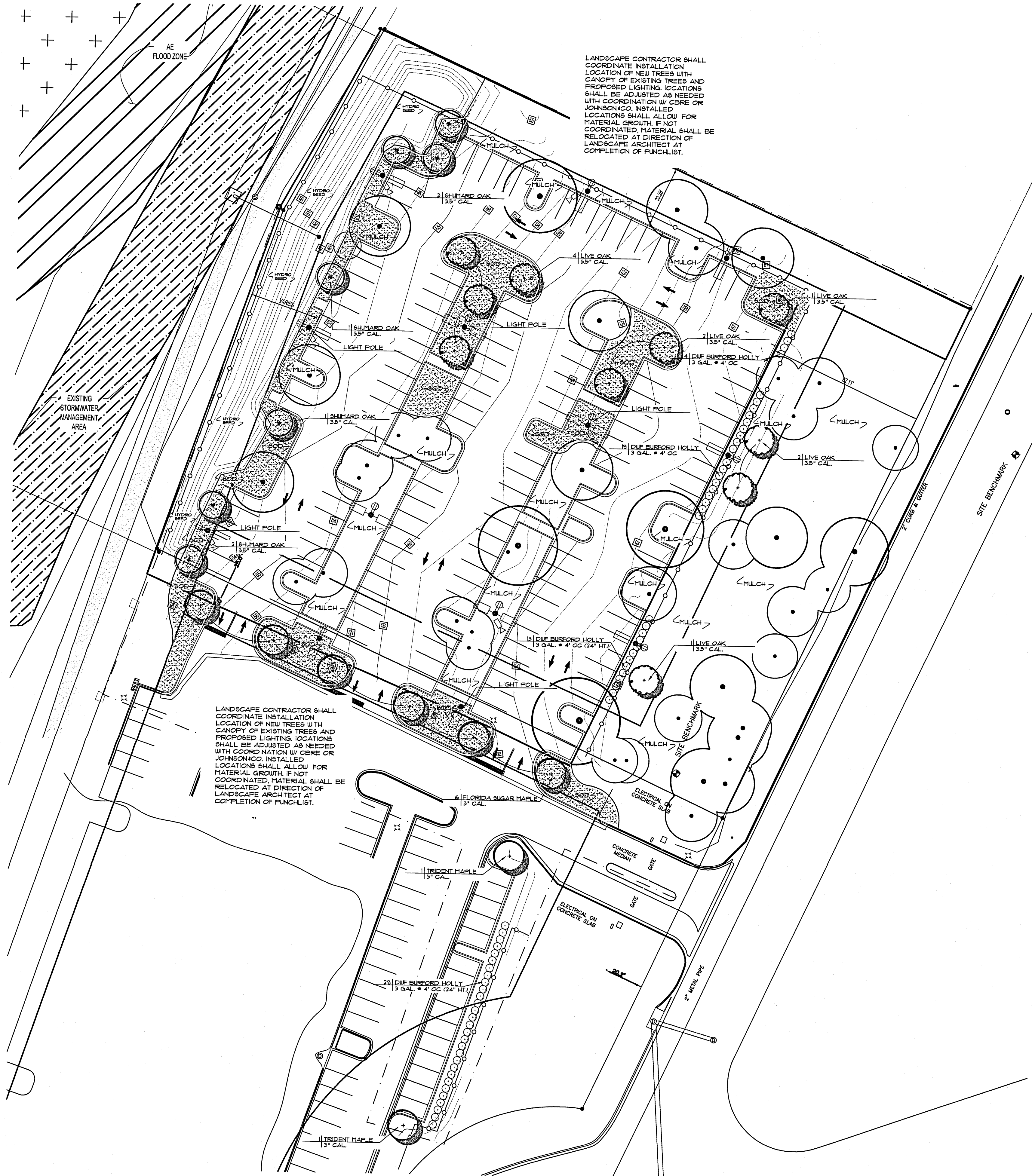
PROJECT INFORMATION BLOCK
 JOB #: 163252
 DATE: 09-06-2016
 DRAWN BY: JCo
 CHECKED BY: WRJ

SHEET TITLE

Irrigation Plan

SHEET NUMBER

L-100



NOTES:

- IF CONFLICTS EXIST BETWEEN PROPOSED LANDSCAPE AND SITE LIGHTING UTILITIES OR OTHER LANDSCAPE, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. ALL SITE LIGHTING POLES TO BE CENTERED WHERE LIGHTING EXISTS IN TREE ROW ADJUST AS NECESSARY AND COORDINATE WITH LANDSCAPE ARCHITECT WHERE INSTALLED LOCATION OF LIGHTING VARIES FROM PLANS.
- IF SITE CONDITIONS EXIST, SUCH AS LOW AREAS THAT WILL POTENTIALLY HOLD WATER, OR ANY CONDITIONS THAT POSE A THREAT TO THE LONG TERM SURVIVAL OF THE NEW LANDSCAPE, THE LANDSCAPE CONTRACTOR IS TO CONTACT THE LANDSCAPE ARCHITECT FOR CHANGES.
- IF THESE CONDITIONS ARE NOT COORDINATED DURING CONSTRUCTION, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR RELOCATING NEW MATERIAL AT DIRECTION OF THE LANDSCAPE ARCHITECT AT TIME OF PUNCHLIST.
- SIGNAGE SHOWN AS SCHEMATIC. IF VARIANCE OCCURS, LANDSCAPE AND IRRIGATION TO BE AND ADJUSTED TO ACTUAL LOCATION. COORDINATE WITH LANDSCAPE ARCHITECT FOR CHANGES.
- ALL SHRUBS AT FRONT OF PARKING AREAS: CENTER OF PLANT TO BE LOCATED 42" FROM BACK OF CURB.
- ALL SHRUBS ALONG DRIVES OR CURB: CENTER OF PLANT TO BE LOCATED 36" FROM BACK OF CURB.
- CONTRACTOR RESPONSIBLE FOR OFF SITE DISTURBANCE AND REPLACEMENT OF LANDSCAPE / PLANT MATERIAL WITH LIKE KIND.
- IF CONFLICTS EXISTS BETWEEN TREE AND SHRUB PLANTINGS AND BUILDING OR MONUMENT SIGNAGE, CONTRACTOR SHALL COORDINATE ADJUSTMENTS AS NECESSARY TO ELIMINATE ANY CONFLICTS. IF COORDINATION IS NOT MADE WITH ARCHITECT / CBRE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATION OF MATERIAL AND ADJUSTMENTS AT TIME OF PUNCHLIST AS DIRECTED.

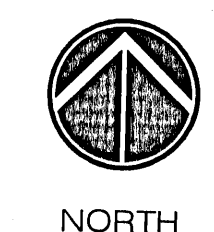
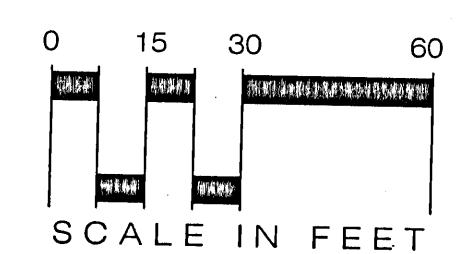
PROJECT WILL BE REVIEWED FOR PLAN CONFORMITY BY LANDSCAPE ARCHITECT. ALL MATERIAL TO BE 'GRADE A' MEETING NURSERY STANDARDS AND PLANT LIST SPECIFICATIONS. MATERIAL NOT MEETING SPECIFICATIONS OR NOT SUPERIOR QUALITY WILL BE REJECTED AT TIME OF PUNCH LIST AND SUBJECT TO REPLACEMENT BY CONTRACTOR AT HIS OR HER EXPENSE.

ANY LANDSCAPE WITHIN 50 FEET OF THE ATM OR NIGHT DROP SHALL BE NO HIGHER THAN 24" ABOVE GRADE AND SHALL BE MAINTAINED AT THIS HEIGHT THROUGHOUT THE LIFE OF THE PLANT.

PLANT LIST

BOTANICAL NAME	COMMON NAME	GAL	HT	SPREAD	RE/SIZE	SPACING	COMMENTS
TREES							
10 QUERCUS VIRGINIANA	LIVE OAK	3.5"	12'	6'	ANA STANDARD		WELL BRANCHED
7 QUERCUS SHUMARDII	SHUMARD OAK	3.5"	14'	6'	ANA STANDARD		WELL BRANCHED
6 ACER BARBATUM	FL. SUGAR MAPLE	3"	10'	6'	ANA STANDARD		WELL BRANCHED
SHRUBS							
ILEX CORNUTA 'DUF BURFORD'	DUF BURFORD HOLLY	24"	18"	3 GAL.			FULL PLANT
MISC.							
EREMOCHLOA OPHIUROIDES	CENTPEDE GRASS						WHOLE PIECES
MATCH EXISTING CAMPUS	VERIFY						WHOLE PIECES

ALL PLANT MATERIAL SHALL MEET ISA REQUIREMENTS AND SHALL MEET FLORIDA * 1 PLANT MATERIAL SPECIFICATIONS. CONTRACTOR SHALL COORDINATE PROJECT REVIEW AND FINAL APPROVAL WITH LOCAL REVIEWING AGENCY AS REQUIRED FOR CLOSEOUT.



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 LAND PLANNERS
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REGIONS
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 5060 COMMERCE PARK CIRCLE
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SEAL

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK

JOB #:	163252
DATE:	09-06-2016
DRAWN BY:	JCo
CHECKED BY:	WRJ

SHEET TITLE
 Landscape Plan
 SHEET NUMBER
L-110

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SEAL

J. G. [Signature]
10-17-16

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK	
JOB #:	163252
DATE:	09-06-2016
DRAWN BY:	JCO
CHECKED BY:	WRJ
SHEET TITLE	

Irrigation
Details

SHEET NUMBER

L-500

GENERAL NOTES

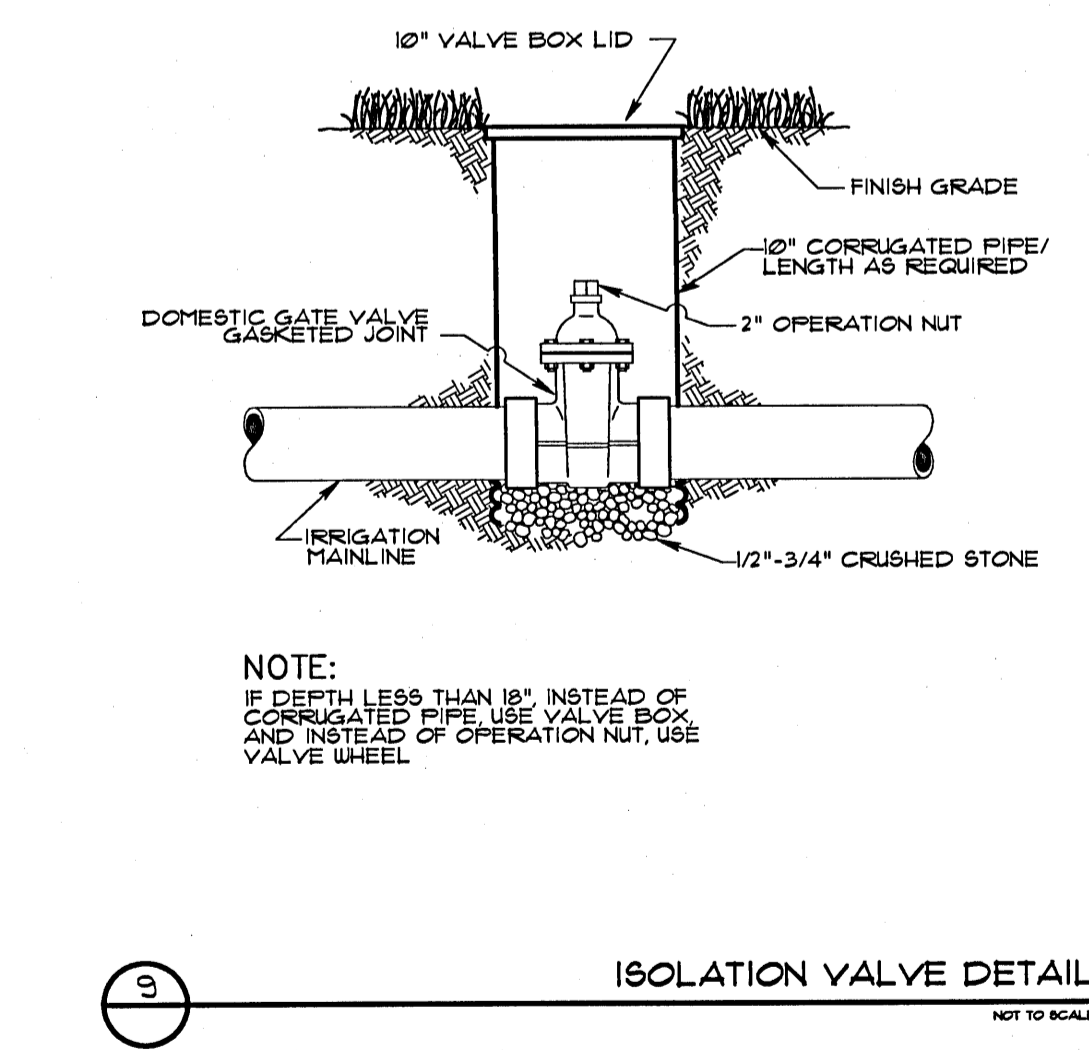
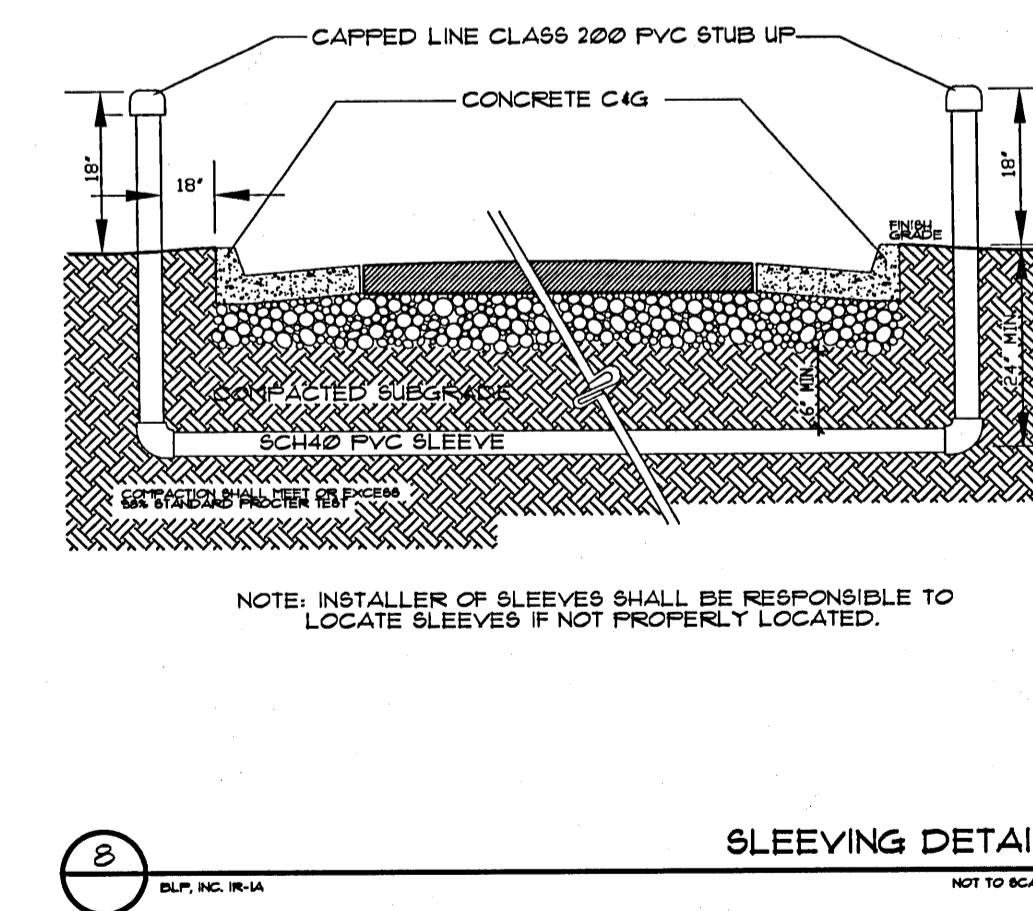
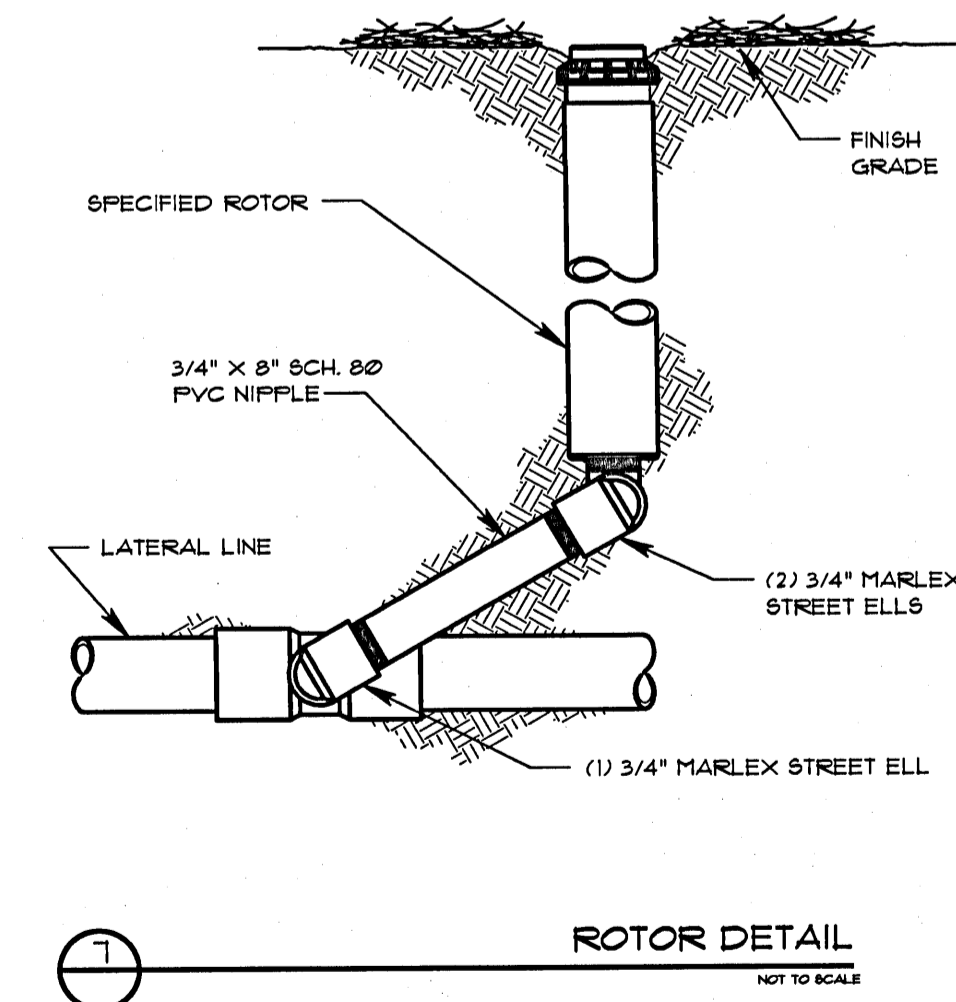
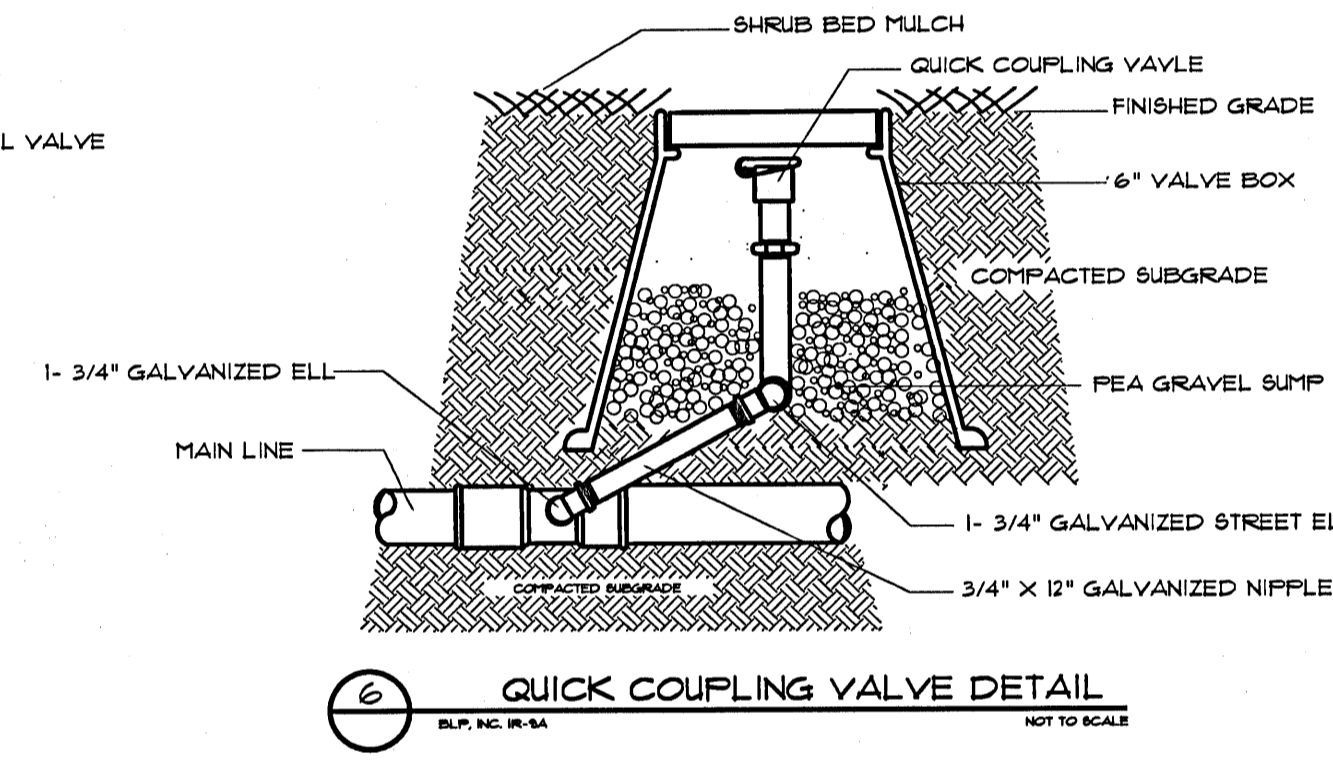
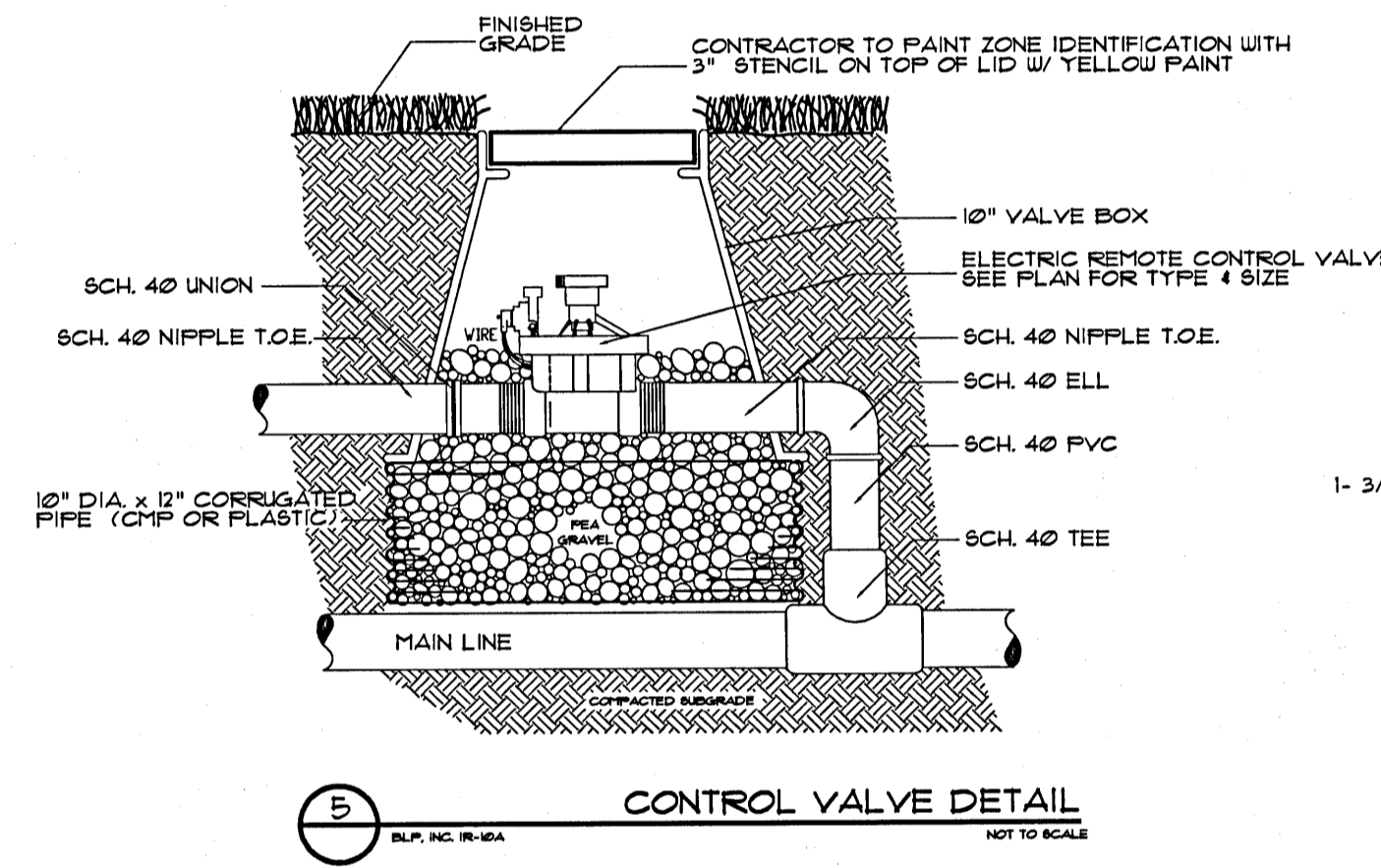
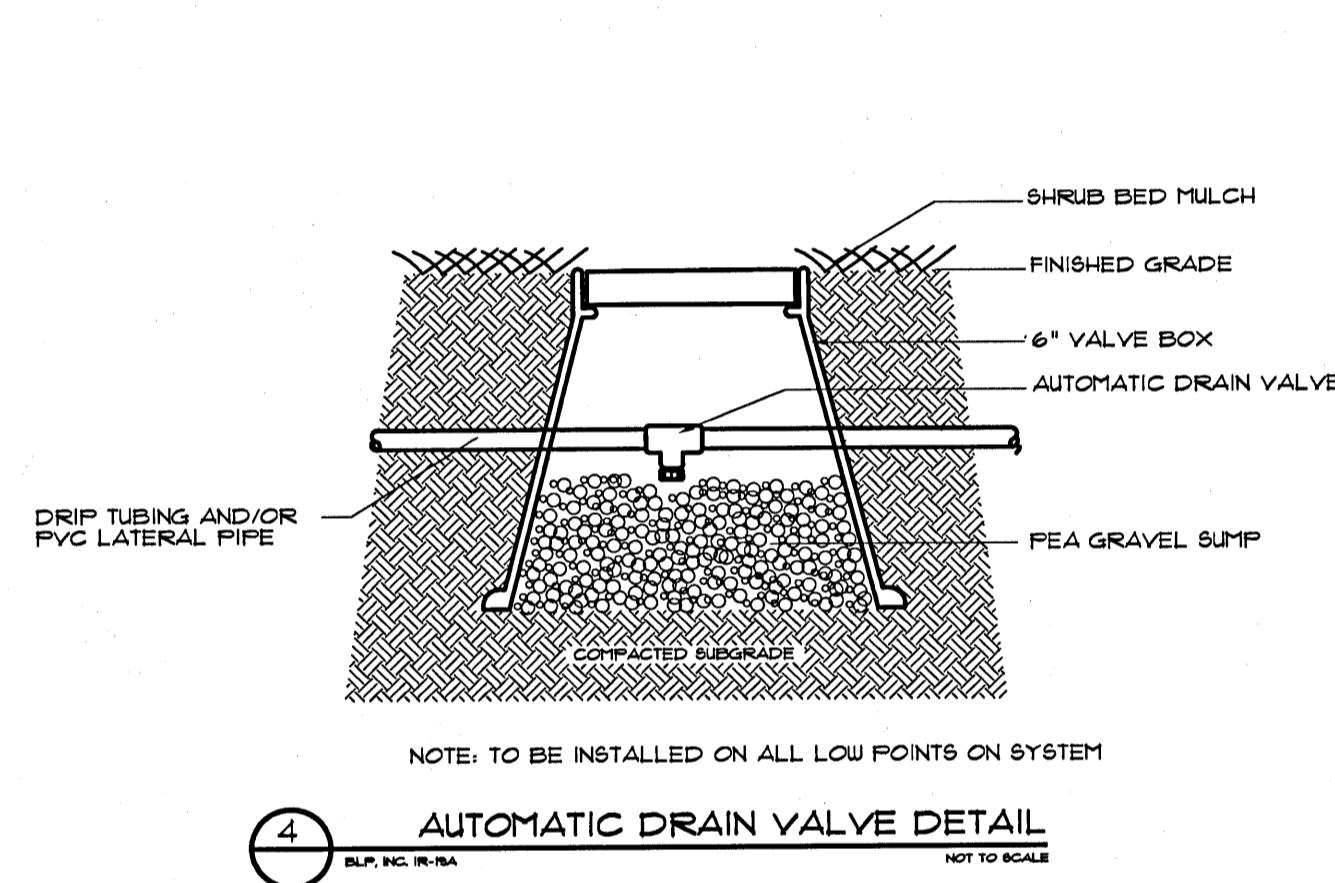
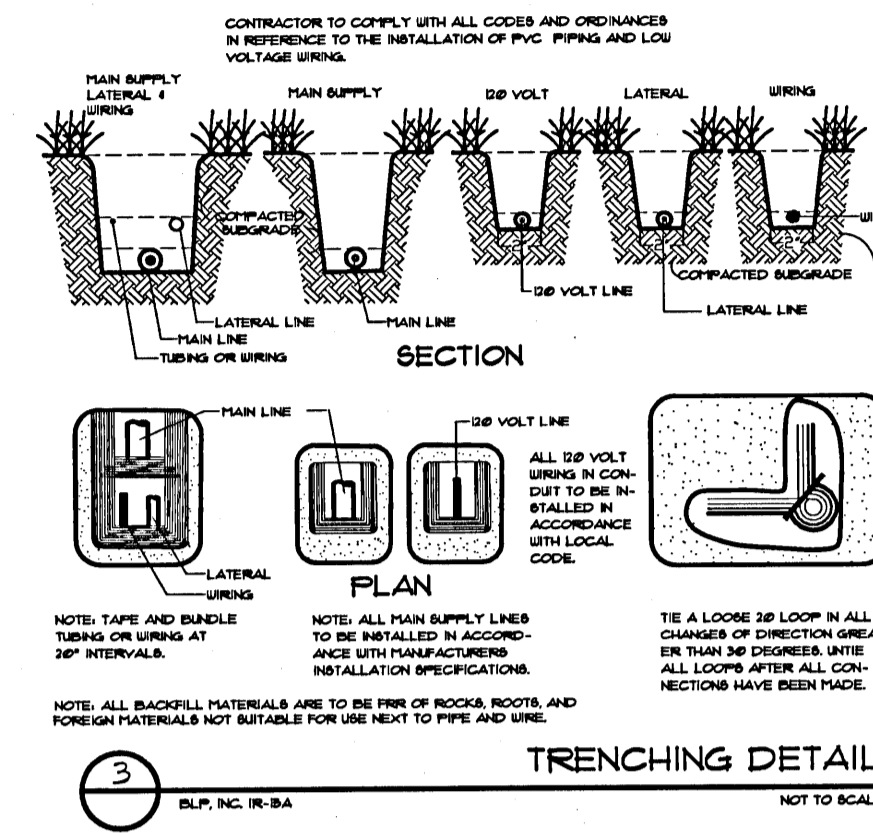
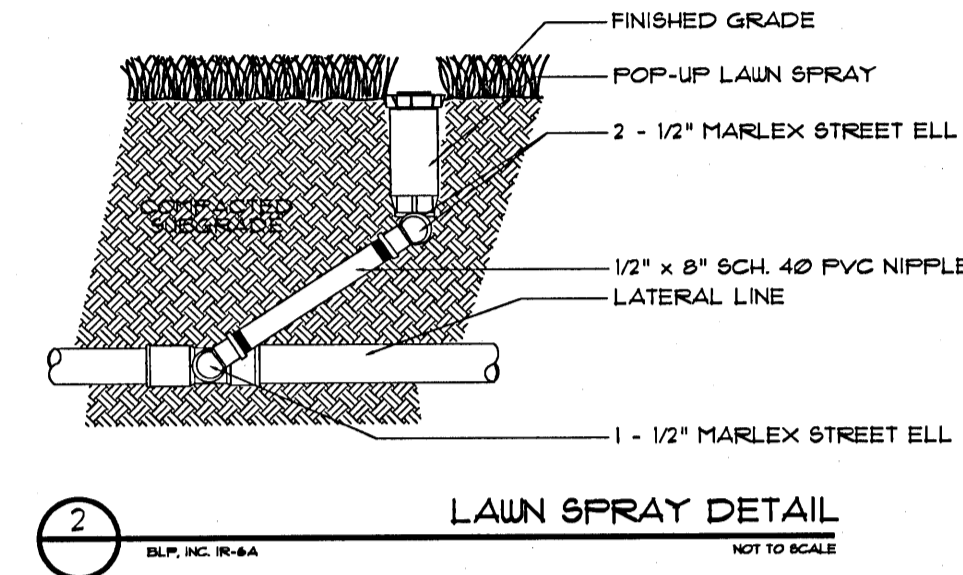
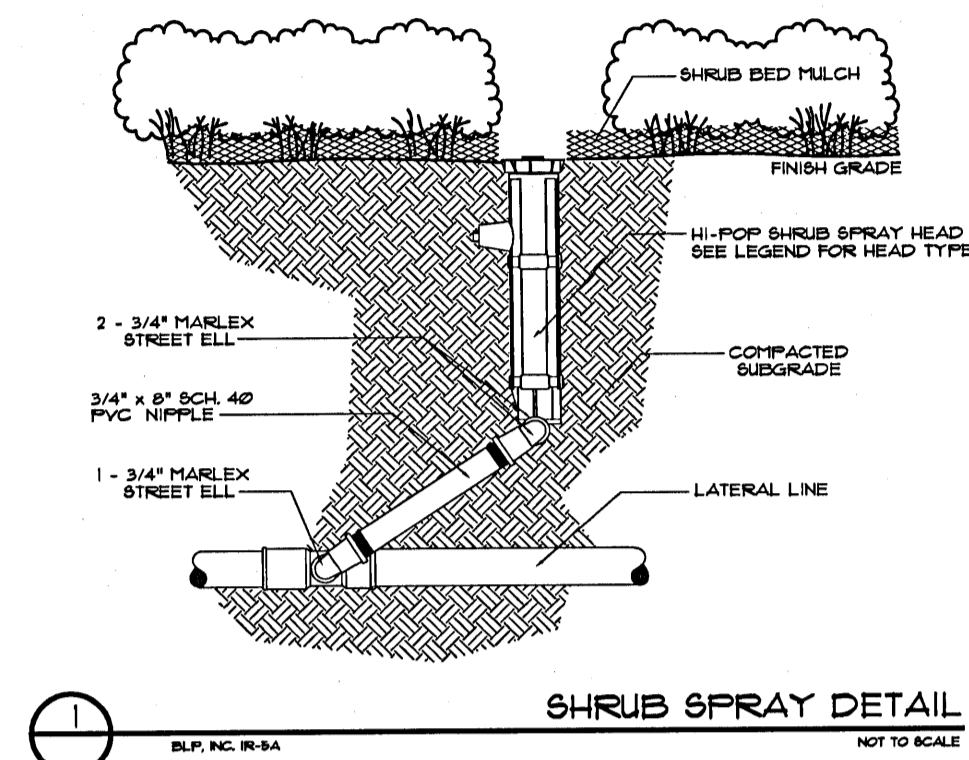
EXCEPT FOR OBVIOUS CROSSINGS, PIPE IS IN PAVING OR OUTSIDE OF PROPERTY LINE FOR GRAPHIC CLARITY ONLY.
ALL WORK SHALL BE DONE WITH IN PROPERTY LINES.
ALL SLEEVES SHALL BE 4" PVC MINIMUM.
CONTRACTOR SHALL INSTALL AUTOMATIC DRAIN VALVES AT ALL LOW POINTS IN SYSTEM.
ALL HEADS IN SHRUB BEDS SHALL BE INSTALLED ON 12" RISERS.

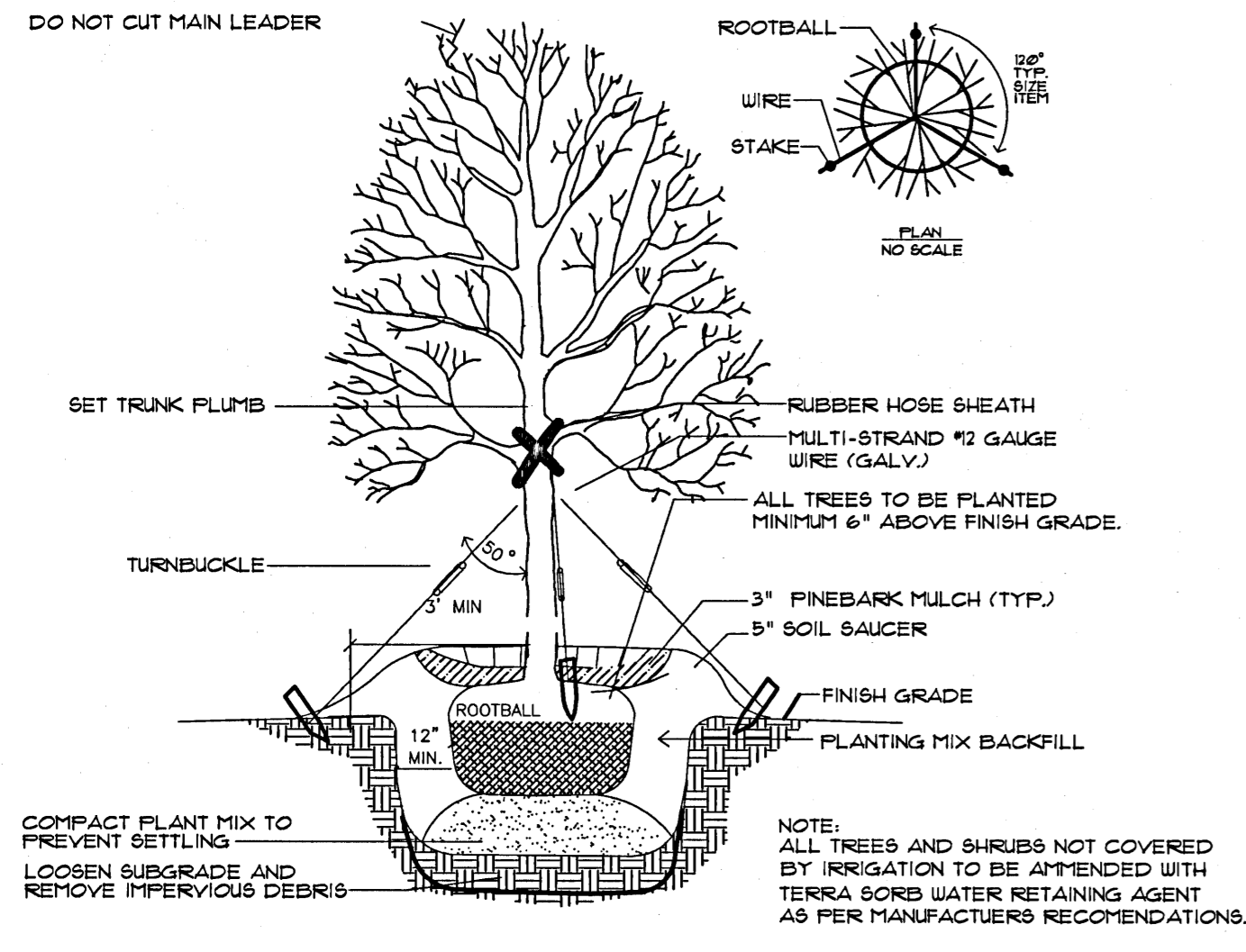
IRRIGATION NOTES

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
- THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING, AND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ON-SITE UTILITIES, STRUCTURES, OR PAVING RESULTING FROM IRRIGATION CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL CODES AND ORDINANCES RELEVANT TO THE WORK UNDER THIS CONTRACT.
- ALL WORK, ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE, AS REQUIRED, THE TOTAL WORK SHOWN ON THIS PLAN IN ACCORDANCE WITH SPECIFICATIONS, AND ALSO AS PER INSTRUCTIONS OF THE LANDSCAPE ARCHITECT AND THE OWNER.
- THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO ASSURE ADEQUATE INSTALLATION OF THE SYSTEM.
- THE LOCATION OF THE AUTOMATIC CONTROL CLOCK IS GENERALLY INDICATED ON THE DRAWING AND WILL BE SPECIFICALLY LOCATED ON-SITE BY THE LANDSCAPE ARCHITECT OR OWNER.
- LINE LOCATIONS AS INDICATED ON THE PLAN ARE SCHEMATIC. THE CONTRACTOR SHALL LOCATE ALL LINES IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PROPOSED PLANT MATERIALS (AS SHOWN ON THE LANDSCAPE PLANTING PLAN) AND OTHER SITE AMENITIES.
- ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2' FROM THE BACK OF CURBS WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
- ALL MAIN LINES SHALL BE INSTALLED AT A MINIMUM OF 18" DEEP AND ALL LATERAL LINES SHALL BE INSTALLED AT A MINIMUM OF 12" DEEP.
- ACTUAL HEAD PLACEMENT IN PARKING LOT ISLANDS IS TO BE 18" FROM BACK OF CURB FOR SHRUB PLANTINGS AND 6" FROM BACK OF CURB FOR LAWNS.
- THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE "DRY SPOTS".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE. THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- THE ELECTRIC SUPPLY WILL BE STUBBED OUT AT THE CONTROL CLOCK LOCATION BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM CONTROL VALVES TO THE CONTROL CLOCK.
- THE ENTIRE SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE IRRIGATION CONTRACTOR AGAINST ALL DEFECTIVE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE.

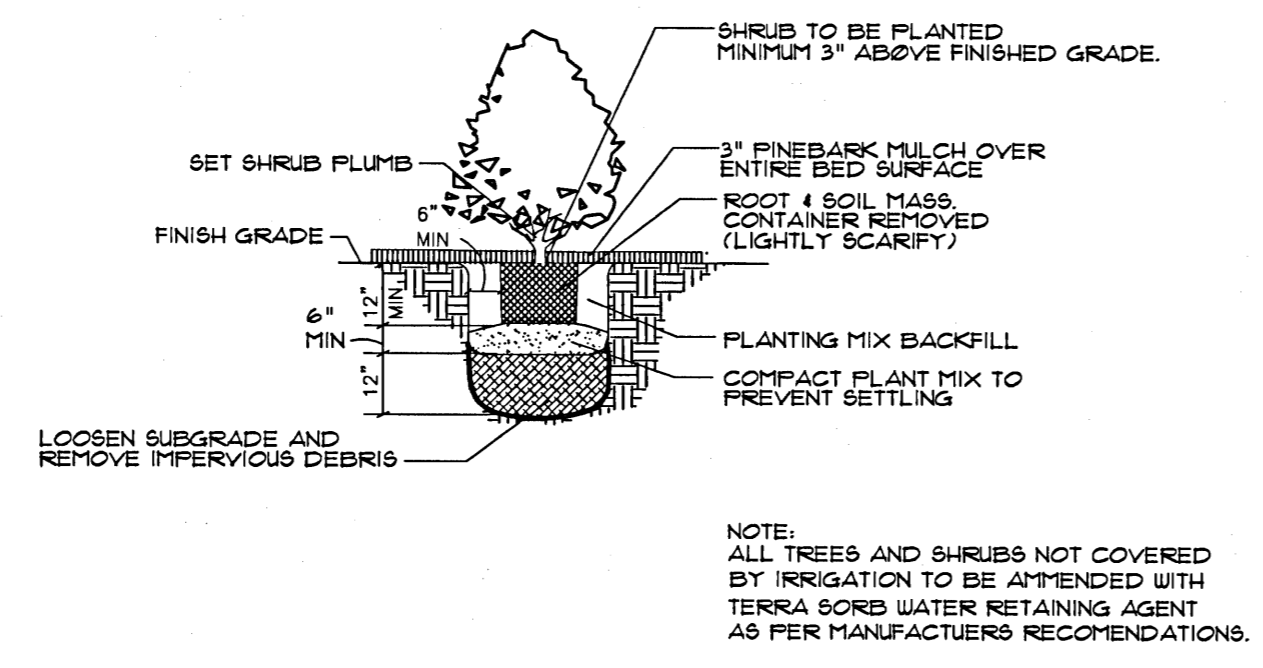
SLEEVING NOTES

- THE LOCATIONS OF SLEEVES, AS SHOWN ON THIS PLAN, ARE SCHEMATIC. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, NATURAL BARRIERS OR OTHER MAJOR CONSTRUCTION.
- ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- WHERE A JOINT BETWEEN PIPE SECTIONS IS NECESSARY, THE INSIDE DIAMETER OF THE PIPE SHALL NOT BE SIGNIFICANTLY REDUCED.
- PVC SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 18" BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 24". END OF SLEEVE SHALL EXTEND 12" BEYOND CURB OR PAVEMENT EDGE.
- BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE.
- THE CONTRACTOR SHALL INSTALL A PVC STUB THAT IS AT LEAST 18" ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION. IRRIGATION SLEEVES SHALL BE INDICATED WITH BLUE RIBBON. ELECTRICAL SLEEVES SHALL BE INDICATED WITH ORANGE RIBBON. SEE SLEEVING DETAIL.
- ONCE THE SLEEVE IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY GAP ON EACH END OF THE PIPE ACCORDING TO THE DETAIL TO PREVENT SOIL OR OTHER DEBRIS FROM ENTERING THE PIPE.
- ALL MODIFICATIONS OF THIS PLAN ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL SUPPLY THE LANDSCAPE ARCHITECT WITH AN "AS-BUILT" PLAN OF THE LOCATION OF ALL SLEEVES PRIOR TO ACCEPTANCE OF WORK.
- SLEEVES ARE 4" UNLESS OTHERWISE NOTED ON PLAN.
- ALL SLEEVES SHALL BE SCH40 PVC PIPE.

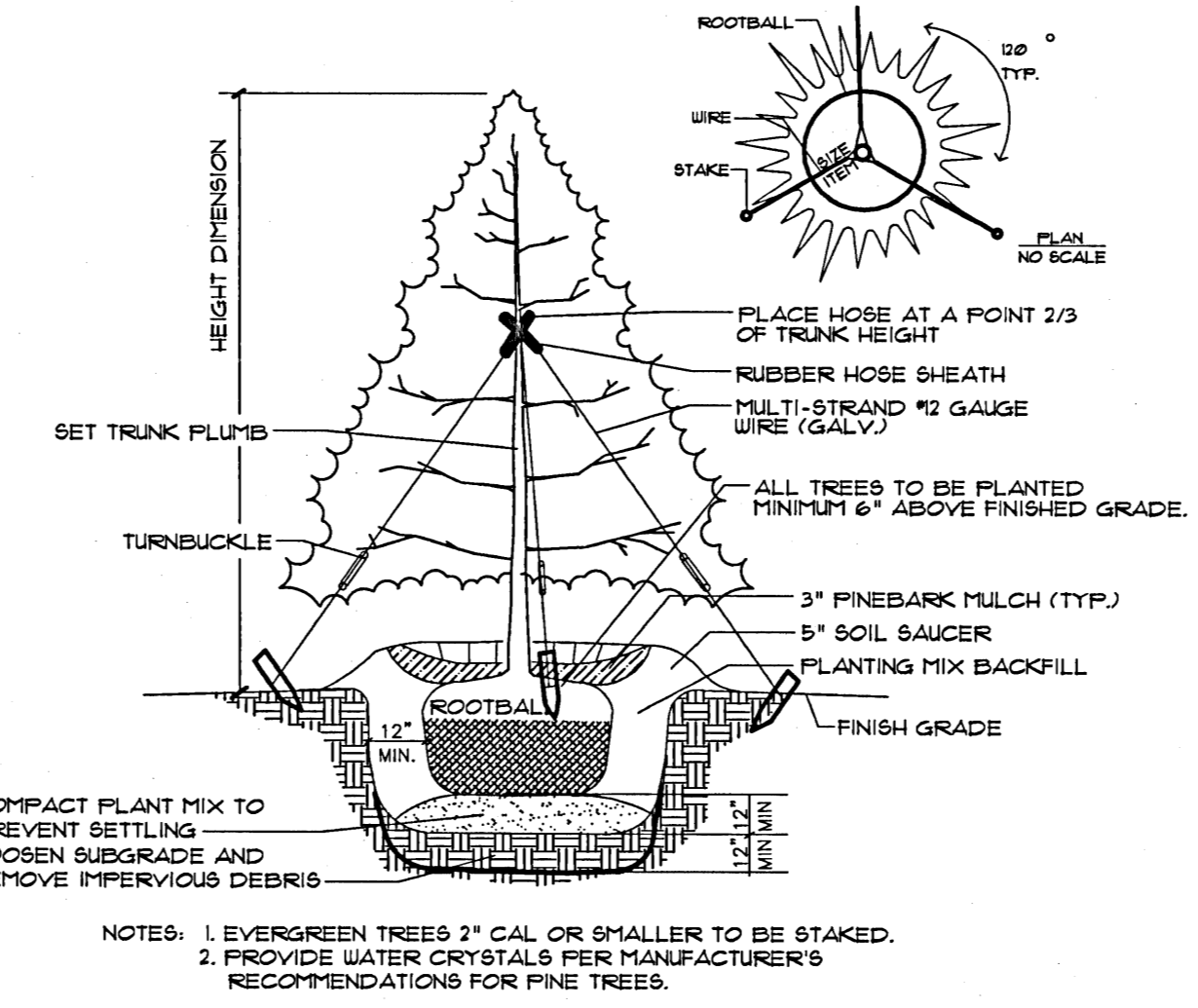




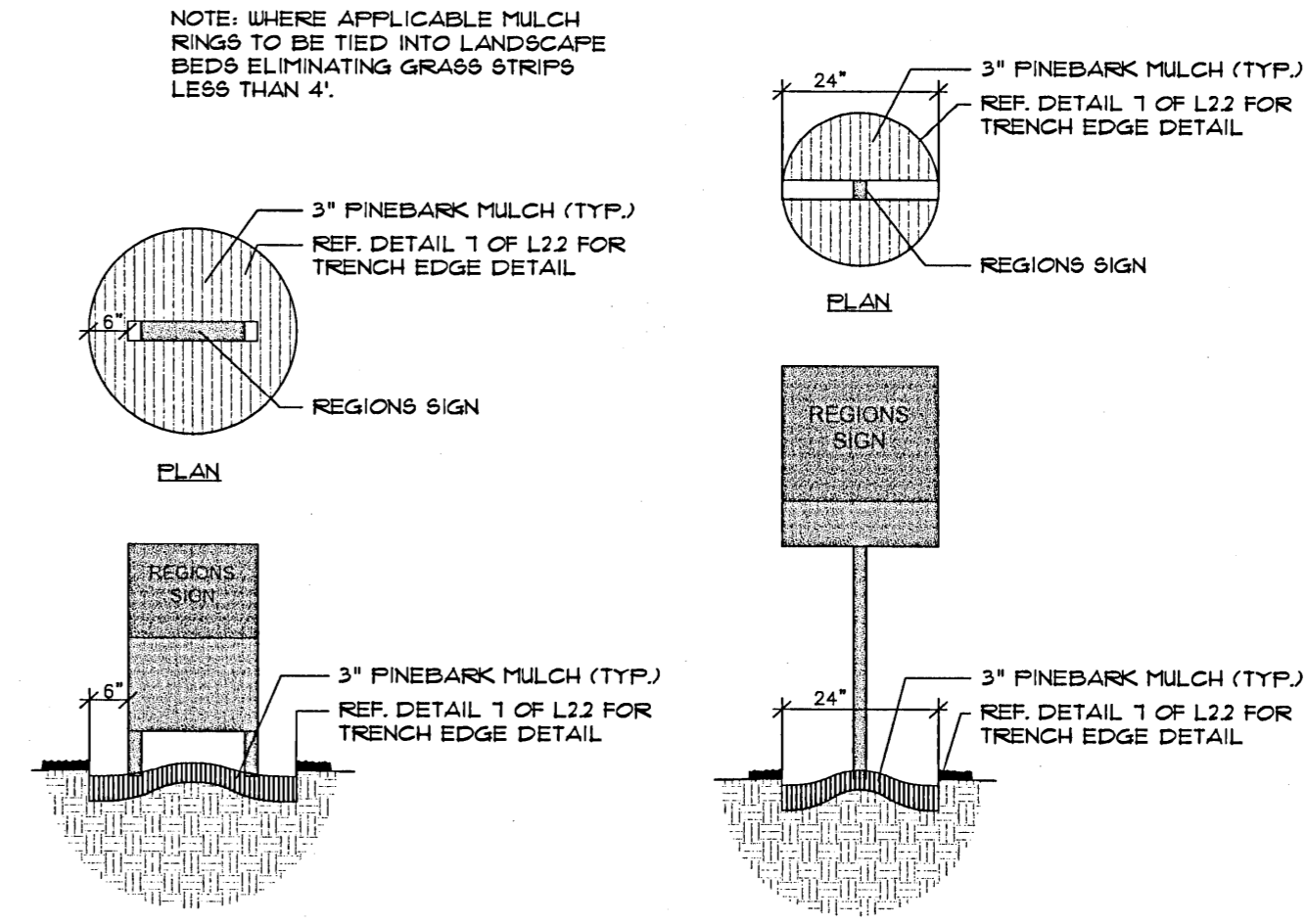
1 DETAIL TYPICAL TREE PLANTING AND GUYING
NOT TO SCALE



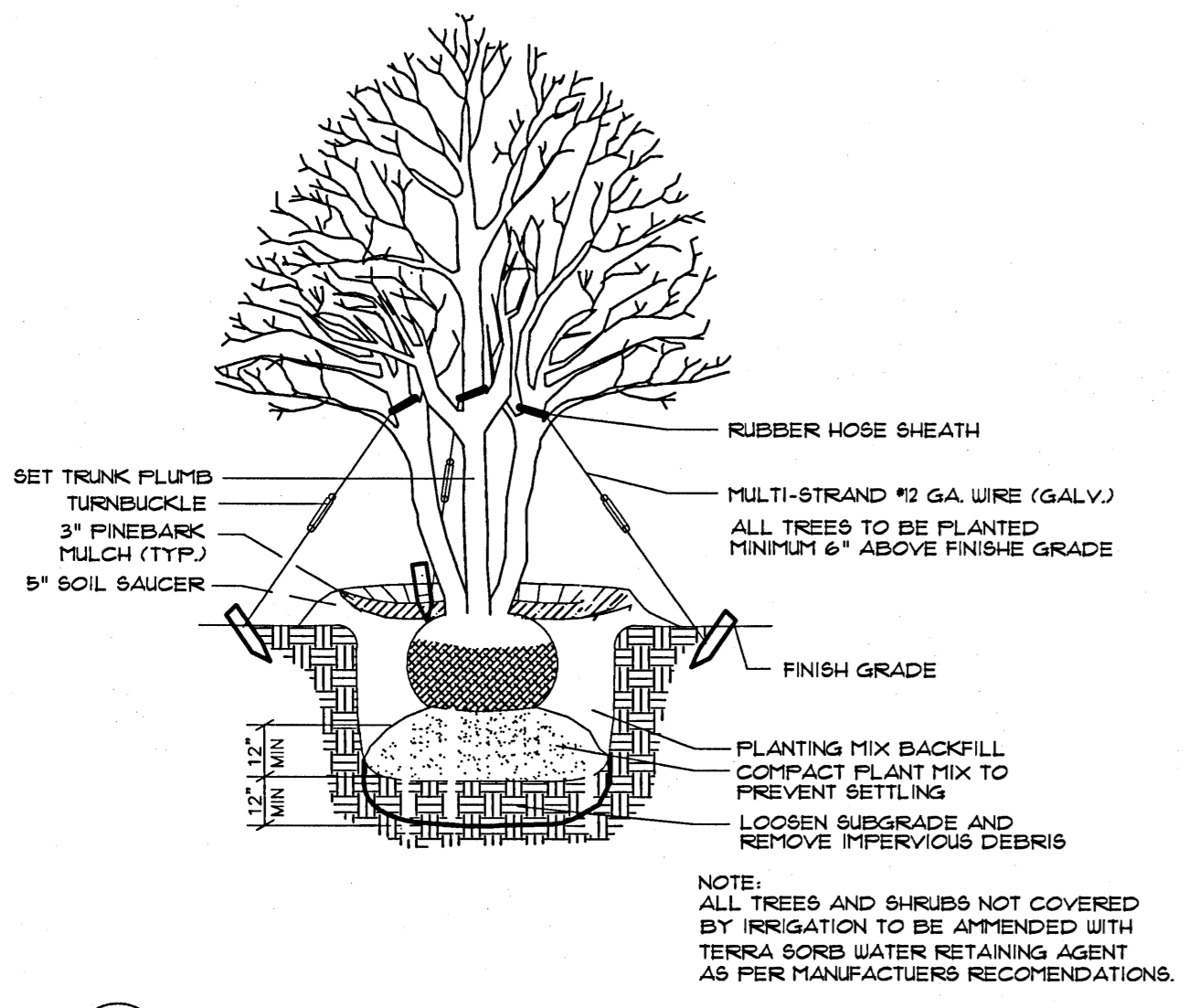
2 DETAIL TYPICAL CONTAINERIZED SHRUB PLANTING
NOT TO SCALE



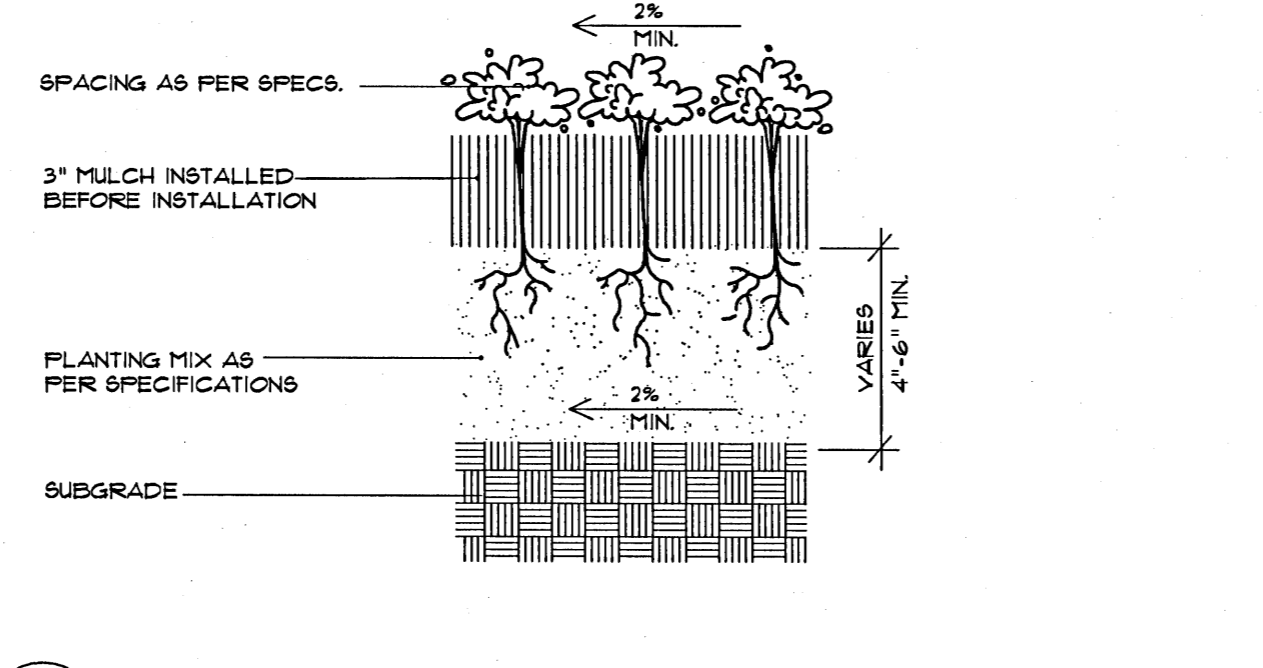
3 DETAIL EVERGREEN TREE PLANTING
NOT TO SCALE



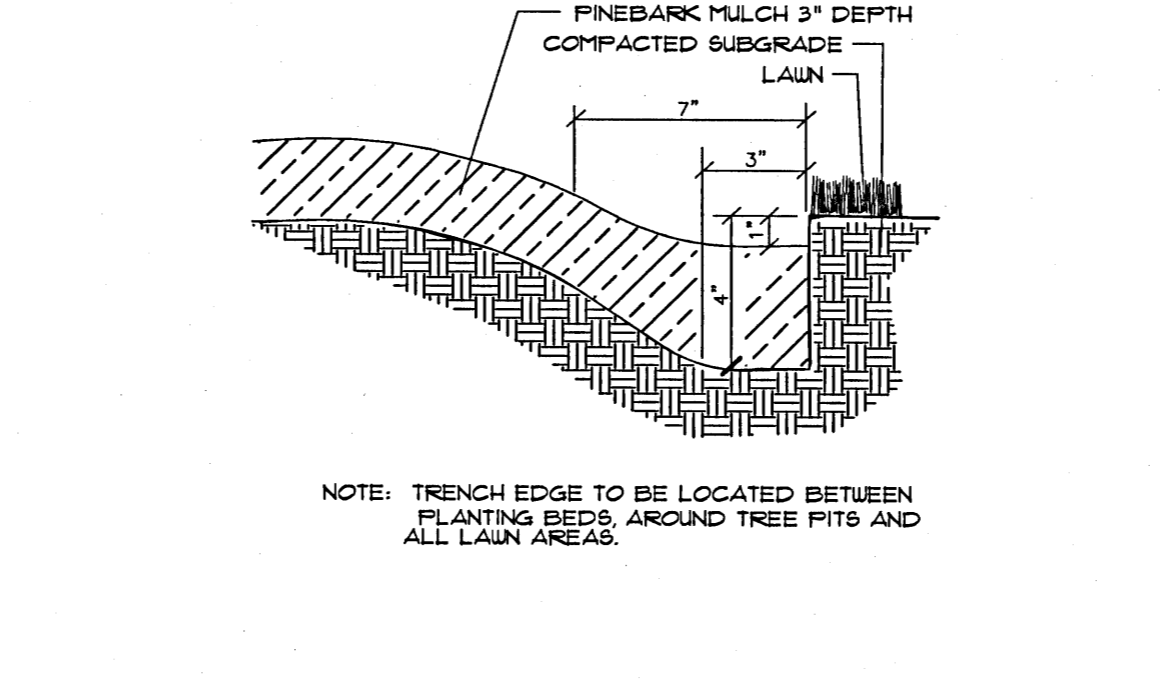
4 MULCH DETAIL FOR ALL SIGNS IN LAWN AREA
NOT TO SCALE



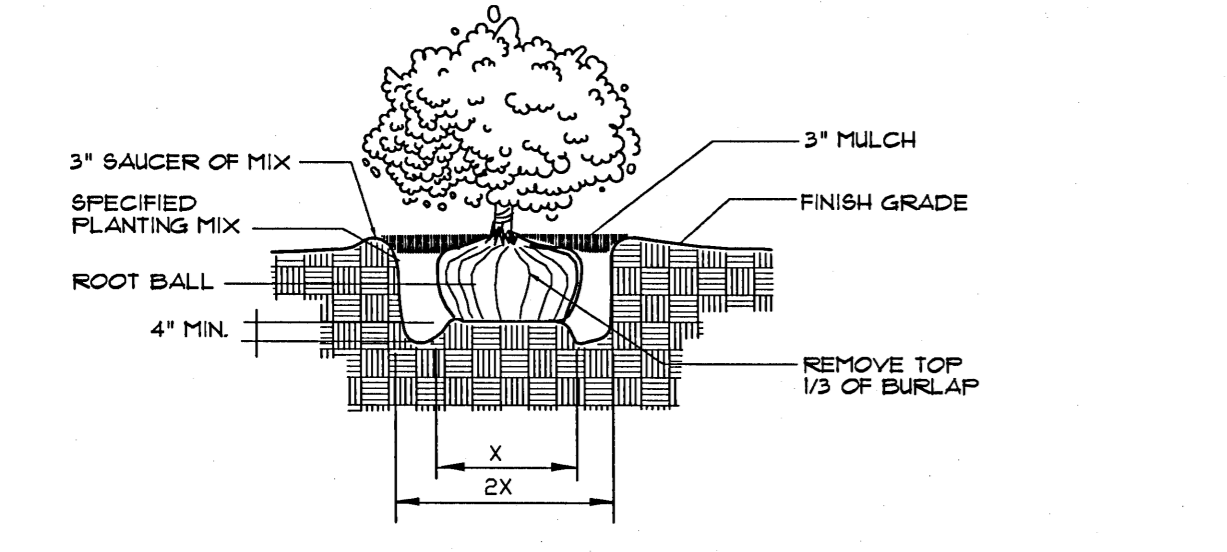
5 DETAIL MULTI-TRUNKED TREE PLANTING
NOT TO SCALE



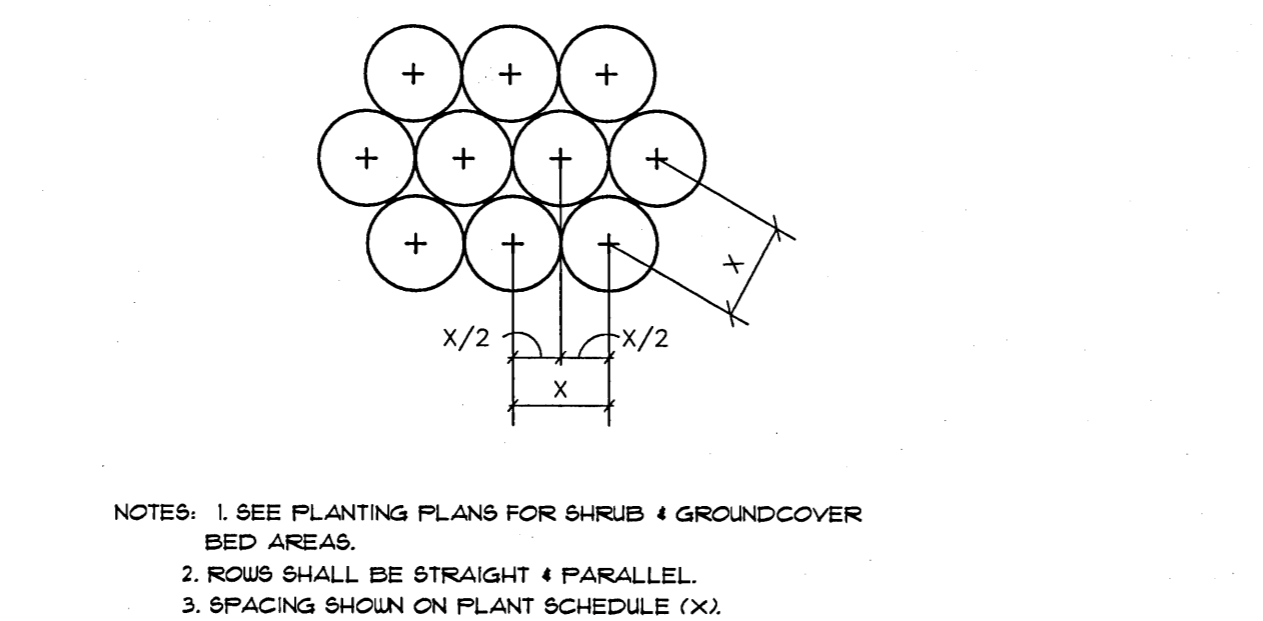
6 GROUND COVER DETAIL
NOT TO SCALE



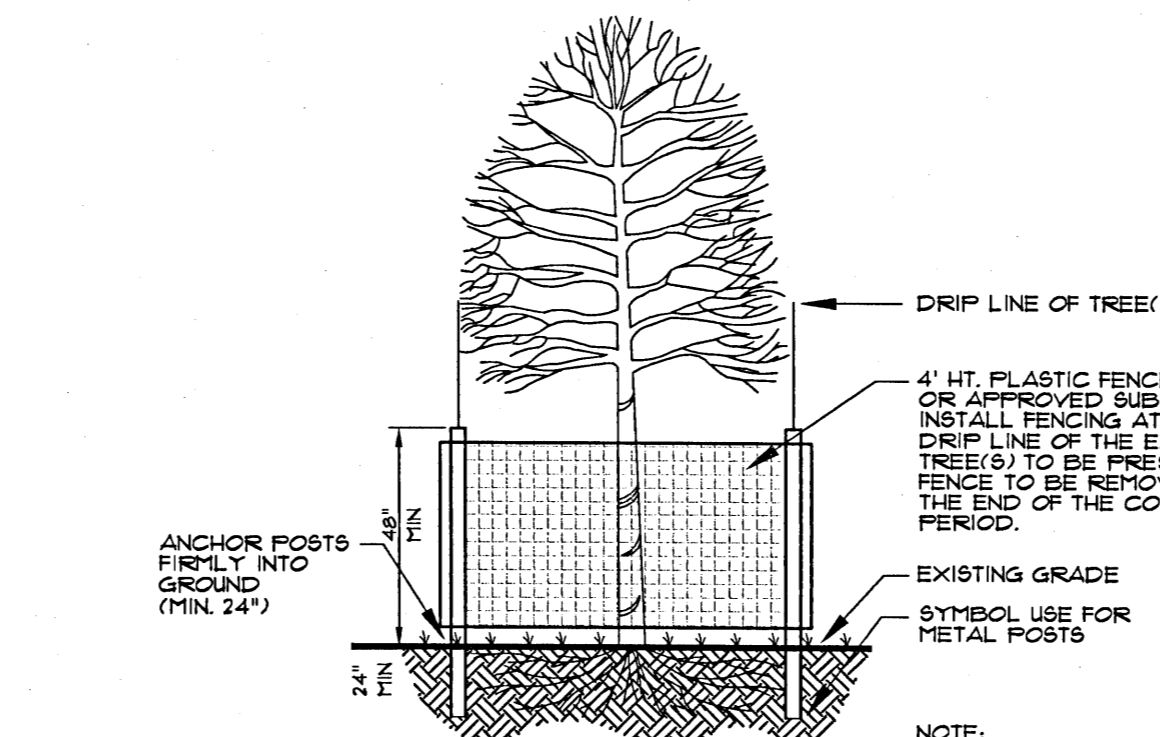
7 TRENCH EDGER DETAIL FOR ALL BEDS
NOT TO SCALE



8 B&B SHRUB DETAIL
NOT TO SCALE



9 DETAIL TYPICAL STAGGERED ROW SPACING
NOT TO SCALE



10 TREE PROTECTION DETAIL
NOT TO SCALE

GENERAL NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.

CONTRACTOR SHALL VERIFY PLANT COUNT FROM PLAN AND REPORT DIFFERENCES.

ALL TREES AND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL APPROVED PRIOR TO BIDDING.

ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL OR REJECTION BY THE LANDSCAPE ARCHITECT AT THE JOB SITE.

CONTRACTOR SHALL LAYOUT TREES AND BED LINES FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. A MINIMUM 24 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.

CONTRACTOR SHALL SUPPLY AND SPREAD 4\"/>

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 3% POSITIVE DRAINAGE IN ALL PLANT AREAS.

PLANTS SHALL BE WELL FORMED, VIGOROUS GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF NURSERY 'AMERICAN STANDARDS FOR NURSERY STOCK' AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.

ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN.

ALL SHRUBS, TREES AND GROUND COVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND 50% ORGANIC MATERIAL AND PER SPECIFICATIONS.

FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24\"/>

BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 8\"/>

EXCAVATE EDGE OF ALL PLANTING BEDS TO 4\"/>

ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3\"/>

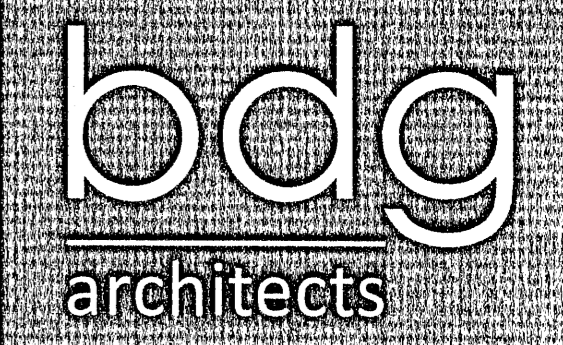
GRASS: ALL AREAS TO BE GRASSED SHALL BE TILLED AND GRADED TO A DEPTH OF 6\"/>

SEASONAL COLOR SHALL BE PLANTED IN FLOWERING STATE.

CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, INCLUDING GRASS FOR ONE FULL YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

REMOVE ALL GUY WIRES AND STAKES AT END OF GUARANTEE PERIOD.

WHEN TREES ARE PLANTED THE MONTHS OF MARCH THRU OCTOBER, THE LANDSCAPE CONTRACTOR SHALL AMEND THE SOIL MIX WITH A MOISTURE RETENTION AGENT AS 'TERRA-SORB' OR EQUAL FOR EACH TREE INSTALLATION.



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SEAL

L. J. Johnson
Landscape Architect
Professional Seal
10-17-16

ISSUE/BY	DATE	DESCRIPTION

PROJECT INFORMATION BLOCK
JOB #: 163252
DATE: 09-06-2016
DRAWN BY: JCo
CHECKED BY: WRJ

SHEET TITLE
Landscape
Details
SHEET NUMBER
L-510



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SPECIFICATIONS SECTION 16000 - ELECTRICAL

PART I - GENERAL

1.01 RELATED REQUIREMENTS

- A. COMPLY WITH DIVISION 1 - GENERAL REQUIREMENTS AND REFERENCED DOCUMENTS.
1.02 WORK INCLUDED

- A. FOLLOWING LIST IS NOT TO BE CONSTRUED AS COMPLETE. INCLUDED ARE AS FOLLOWS:
1. EXTERIOR LIGHTING INSTALLED INCLUDING INTERIOR AREAS.
2. SECURITY SYSTEMS INSTALLED (FURNISHED BY OWNER) INCLUDING INTERIOR AREAS.

1.03 QUALITY ASSURANCE

- A. REGULATORY REQUIREMENTS:
1. COMPLY WITH STATE AND LOCAL ELECTRICAL SAFETY ORDERS.
2. COMPLY WITH LATEST EDITION APPLICABLE CODES: NATIONAL ELECTRICAL CODE

- B. UTILITIES:
1. FOR RENOVATION PROJECTS ONLY. TEMPORARY UTILITIES WILL BE FURNISHED BY THE OWNER FROM EXISTING PANEL BOXES ETC. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL RESTORE THE UTILITIES TO THE ORIGINAL CONDITION PRIOR TO COMPLETION OF THE WORK.
2. PRIOR TO ANY CUTTING OR SUSPENSION OF ELECTRICAL SERVICES, OR TRAFFIC WAYS, THE OWNER SHALL BE NOTIFIED OF THE INTENT TO SUSPEND EXISTING UTILITIES. THIS WRITTEN NOTIFICATION SHALL BE MADE WITHIN FOURTEEN (14) DAYS PRIOR TO ACTUAL CUTTING OR SUSPENSION OF ANY SERVICES. INCLUDE NECESSARY OVERTIME WORK IN BID.

1.04 SUBMITTAL

- A. PRODUCT DATA: SUBMIT COPIES OF MATERIAL LIST.
B. SHOP DRAWINGS:
1. SUBMIT FOR ELECTRICAL ITEMS EXCEPT INSTALLATION MATERIALS SUCH AS, BUT NOT LIMITED TO, CONDUIT FITTINGS, OUTLET BOXES, 600 VOLT CONDUCTORS, WIRING DEVICES.
2. CHECK SHOP DRAWINGS FOR SPACE REQUIREMENTS AND CONFORMANCE WITH CONTRACT DOCUMENTS.

1.05 PRODUCT HANDLING:

- A. DELIVER MATERIALS TO JOB SITE IN ORIGINAL UNBROKEN PACKAGE, PROPERLY TAGGED WITH UL LABEL, SIZE, TYPE AND MANUFACTURER INDICATED.

PART II - PRODUCTS

2.01 MATERIALS

- A. CONDUIT:
1. GALVANIZED STEEL ELECTRICAL METALLIC TUBING (EMT) WITH SET SCREW INSULATED THROAT ALL STEEL FITTINGS SHALL BE USED IN NON-HAZARDOUS DRY LOCATIONS ONLY ABOVE ACCESSIBLE CEILINGS AND INSIDE DRY PARTITIONS, FOR BRANCH CIRCUITS, POWER FEEDERS, SIGNALING, AUXILIARY AND CONTROL CIRCUITS, 2" DIA. AND SMALLER. EMT MAY BE USED EXPOSED WHERE NOT SUBJECT TO PHYSICAL DAMAGE. EMT COMPRESSION FITTINGS MAY BE USED IN DAMP LOCATIONS UP TO THE 2" LIMIT. OTHERWISE, RIGID OR INTERMEDIATE HOT DIPPED GALVANIZED INSIDE AND OUT STEEL, THREADED FOR SCREW FITTING ONLY. SHALL BE USED. MINIMUM SIZE CONDUIT IS 3/4".
2. CONDUIT BODIES AND COVERS SHALL BE CAST FERROUS ALLOY, WITH ZINC ELECTROPLATE AND ALUMINUM ACRYLIC PAINT FINISH. BUSHINGS SHALL BE STEEL OR MALLEABLE IRON, GALVANIZED, WITH SMOOTH 100 DEGREE C MINIMUM RATED PHENOLIC RING, WITH GROUND LUG WHERE REQUIRED. GROUNDING LOCKNUTS SHALL BE AS REQUIRED BY CODE.
3. FLEXIBLE METAL CONDUIT USED FOR FINAL CONNECTIONS TO TRANSFORMER, MOTORS, AND MECHANICAL EQUIPMENT SHALL BE LIQUID TIGHT.
4. ACCEPTABLE MANUFACTURERS ARE: STEEL CONDUIT: ALLIED TUBE & CONDUIT, CONDUX, REPUBLIC STEEL, TRIANGLE-PWC, WHEATLAND TUBE. STEEL CONDUIT FITTINGS: AMERICAN ELECTRIC, APPLTON, GROUSE-HINDS, O.Z. GEDNEY

- B. RACKS AND TRAPEZE HANGERS: FORMED STEEL CHANNELS SIMILAR TO UNISTRUT.

- C. VIBRATION FITTINGS: O.Z. TYPE DX.

- D. OUTLETS AND JUNCTION BOXES:
1. GALVANIZED OR SHERARIZED, ONE PIECE PRESSED STEEL, KNOCK-OUT TYPE.
2. SIZE OF EACH BOX DETERMINED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE FOR NUMBER OF CONDUCTORS OR NUMBER AND SIZE OF CONDUITS ENTERING BOX, BUT NOT LESS THAN 4" SQUARE AND 1-1/2" DEEP.
3. VOICE/DATA OUTLET BOXES: MINIMUM OF 4" SQUARE AND 2-1/8" DEEP WITH 3/4" SINGLE GANG PLASTER RING (VERTICAL) FOR 5/8" GYPSUM BOARD. MODIFY FOR OTHER SIZE GYPSUM BOARDS. VOICE/DATA OUTLET CONDUIT SHALL BE SIZED AS FOLLOWS: SINGLE OUTLET - 3/4" C. TWO OUTLETS - 1" C. THREE OUTLETS - 1-1/4" C. FOUR OUTLETS - 1-1/2" C. FIVE OUTLETS - 2" C. VOICE/DATA HOME RUN CONDUITS FROM OUTLET TO CABLE TRAY SYSTEM IF AVAILABLE. INSTALL PULL CORDS IN ALL EMPTY CONDUITS.
4. EXPOSED OUTLET BOXES: CASE METAL WITH THREADED OR UNION HUB, GROUSE-HINDS TYPE 'FS' OR 'FD' WITH CAST METAL COVERS.

- E. PULLBOXES:
1. IN NO CASE OF LESS SIZE OR MATERIAL THICKNESS THAN REQUIRED BY GOVERNING ELECTRICAL CODE.
2. GENERAL PURPOSE SHEET STEEL PULL BOXES: FURNISHED WITH REMOVAL SCREW COVERS; MANUFACTURER'S STANDARD BAKED ENAMEL FINISH.

- F. WIRE AND CABLE:
1. CONDUCTOR SIZE: #12AWG MINIMUM.
2. CONDUCTORS SHALL BE COPPER OF NOT LESS THAN 98 PERCENT CONDUCTIVITY. 600 VOLT INSULATION SHALL BE USED FOR POWER, LIGHTING AND CONTROL.
3. CONDUCTORS #10AWG AND SMALLER SHALL BE SOLID, EXCEPT FOR CONTROL AND AUXILIARY SYSTEMS. CONDUCTOR'S #8 AND LARGER SHALL BE STRANDED.
4. INSULATION IN DRY OR WET LOCATIONS SHALL BE TYPE THHN/THWN OR XHHW.
5. CONTROL SYSTEMS SHALL BE #14-18 (OR 19X) AWG MIN., TYPE THHN/THWN.
6. AUXILIARY AND COMMUNICATION CABLES SHALL BE AS RECOMMENDED BY SYSTEM VENDOR.
7. ACCEPTABLE MANUFACTURERS ARE: ROME, TRIANGLE, GENERAL CABLE, CABLEC, AUXILIARY AND COMMUNICATION CABLES SHALL BE AS RECOMMENDED BY SYSTEM VENDOR.

- G. WIRING DEVICES - RECEPTACLES:
1. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMP, NEMA BLADE CONFIGURATION WITH NYLON TOP, THERMOSET BASE, WRAPAROUND BRASS MOUNTING STRAP WITH RIVETED BRASS GROUND CONTACTS, BACK AND SIDE WIRED AND SELF-GROUNDING. RECEPTACLE MUST MEET U.L. AND FEDERAL SPECIFICATION TESTS. RECEPTACLES ARE TO BE GREY COLOR EXCEPT RED COLOR FOR EMERGENCY OUTLETS, WHITE COLOR FOR UPS OUTLETS, ORANGE COLOR FOR ISOLATED GROUND OUTLETS AND SPECIAL COLORS DESIGNATED BY THE ARCHITECT.
2. DEVICE PLATES SHALL BE .04" THICK TYPE 302 SMOOTH STAINLESS STEEL, BRUSHED FINISH. ENGRAVING SHALL BE BLACK FOR NORMAL POWER, RED FOR EMERGENCY AND BLUE FOR UPS.
3. SPECIFICATION GRADE DUPLEX RECEPTACLES, ACCEPTABLE MANUFACTURERS ARE: HUBBELL INC., CAT. NO. 5362 ARROW-HART INC., CAT. NO. 5362 BRYANT ELECTRIC CAT. NO. 5362 LEVITON CAT. NO. 5362 EAGLE ELECTRIC
4. DEVICE PLATE'S ACCEPTABLE MANUFACTURERS ARE: HUBBELL INC. ARROW-HART INC. BRYANT ELECTRIC PASS & SEYMOR LEVITON EAGLE ELECTRIC

- H. WIRING DEVICES - SWITCHES:
1. A.C. SWITCHES SHALL BE SPECIFICATION GRADE, 20 AMP, SIDE-WIRED WITH A ONE-PIECE, RIVET LESS SPRING CONTACT ARM AND TERMINAL PLATE AND AUTOMATIC GROUNDING CLIP, IN ADDITION TO MEETING U.L. AND FEDERAL SPECIFICATION TESTS.
2. DEVICE PLATES SHALL BE .04" THICK TYPE 302 SMOOTH STAINLESS STEEL, BRUSHED FINISH.
3. SPECIFICATION GRADE A.C. SWITCHES - ACCEPTABLE MANUFACTURERS ARE: HUBBELL INC. CAT. NO. 1221 (1 POLE) ARROW-HART INC. CAT. NO. 1221 (1 POLE) BRYANT ELECTRIC CAT. NO. 4901 (1 POLE) LEVITON CAT. NO. 1221 (1 POLE)
4. DEVICE PLATES - ACCEPTABLE MANUFACTURERS ARE: HUBBELL INC. SIERRA PASS & SEYMOUR LEVITON

- I. LIGHTING FIXTURES:
1. UNDERWRITER'S LABORATORIES LISTED.
2. FIXTURES OF SIMILAR TYPE SHALL BE OF SAME MANUFACTURER.
3. LIGHTING FIXTURE TYPES: SEE LUMINAIRE SCHEDULE.

PART III - EXECUTION

3.01 INSTALLATION

- A. LOCATION AND VERIFICATION OF DIMENSIONS, SCALED AND FIGURE DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATING PURPOSES ONLY. BEFORE PROCEEDING WITH WORK, CHECK AND VERIFY DIMENSIONS AND SIZES AND ASSUME RESPONSIBILITY FOR FITTING OF ALL MATERIALS AND EQUIPMENT TO OTHER PARTS OF EQUIPMENT AND TO THE STRUCTURE, WHERE APPARATUS AND EQUIPMENT HAVE BEEN INDICATED ON DRAWINGS. DIMENSIONS HAVE BEEN TAKEN FROM TYPICAL EQUIPMENT OF THE CLASS INDICATED. CHECK THE DRAWINGS TO SEE THAT EQUIPMENT TO BE INSTALLED WILL FIT INTO THE SPACES PROVIDED.

- B. INSTALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, INDUSTRY STANDARDS.

- C. CONDUITS:
1. RACEWAYS RUN ABOVE HUNG CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE, SHALL PERMIT THE REMOVAL OF CEILING PANELS AND LIGHTING FIXTURES, AND SHALL NOT INTERFERE WITH PIPES AND DUCTS.
2. ALL CONDUIT NOT ENCASED IN CONCRETE OR UNDERGROUND SHALL BE COLOR CODED.
3. 3/4" WIDE SELF-ADHESIVE VINYL PLASTIC ELECTRICAL TAPE. ACCEPTABLE MANUFACTURERS ARE: 3M COMPANY "SCOTCH 35" OR APPROVED EQUAL.
4. BAND(S) SHALL BE APPLIED USING TWO (2) FULL TURNS AROUND CONDUIT, SIX (6) INCHES FROM ALL CONDUIT TERMINATIONS INTO SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, STARTERS, CABINETS, CONTROL PANELS, PULLBOXES, OUTLET BOXES, ETC., ON EACH SIDE OF WALLS, FLOOR OR ROOF PENETRATED BY CONDUIT AND WHERE CONDUIT ENTERS WALL TO OUTLETS BELOW.

- D. INSTALLATION OF 600 VOLT AND BELOW CONDUCTORS:
1. NO CONDUCTOR SHALL BE SMALLER THAN #12 EXCEPT FOR CONTROL AND AUXILIARY SYSTEMS AND WHERE SO DESIGNATED ON THE DRAWINGS.
2. NO POWER, LIGHTING OR CONTROL CONDUCTORS SHALL BE INSTALLED IN THE SAME RACEWAY, PULLBOX, OR CABINET WITH INSTRUMENTATION, AUXILIARY, OR COMMUNICATION CABLE.
3. ALL LOW-VOLTAGE WIRES AND CABLES SUCH AS TELEPHONE, COMPUTER, NURSE CALL, INTERCOM, ETC. IN HOSPITAL BUILDINGS AND IN NEW OR RENOVATIONS OF NON-HOSPITAL BUILDINGS SHALL BE INSTALLED IN CONDUIT OR OTHER APPROVED RACEWAY.
4. CONDUCTORS SHALL BE CONTINUOUS BETWEEN OUTLETS OR JUNCTION BOXES AND NO SPLICES SHALL BE MADE EXCEPT IN OUTLET BOXES, PULLBOXES, PANELBOARD GUTTERS OR HANDHOLES. FEEDERS SHALL NOT BE SPLICED IN PULLBOXES.
5. ALL JOINTS, SPLICES AND TAPS #10 AND SMALLER (INCLUDING FIXTURE PIGTAILS) SHALL BE CONNECTED WITH "IDEAL" WIRE NUTS.
6. OIL OR GREASE SHALL NOT BE USED WHEN PULLING CONDUCTORS. USE ACCEPTABLE CABLE LUBRICANTS ONLY. CONDUCTORS SHALL NOT COME IN CONTACT WITH EARTH OR LAID OUT ON CONCRETE SLABS WHILE BEING INSTALLED.
7. TRAIN AND LACE CONDUCTORS NEATLY IN PANELS, CABINETS AND EQUIPMENT.
8. TIGHTEN PRESSURE TYPE LUGS ON PANELS AND EQUIPMENT, AND RE-TIGHTEN 24 HOURS LATER.
9. TAGGING OF CONDUCTORS:
a) TAG BRANCH CIRCUITS IN PANELBOARDS, IN GUTTERS, AND IN JUNCTION BOXES WHERE UNUSED CIRCUITS TERMINATE FOR PURPOSE OF IDENTIFYING VARIOUS CIRCUITS.
b) TAG FEEDERS AND MAINS IN SWITCHBOARDS.
c) TAG WITH ADHESIVE TYPE MARKER MANUFACTURED BY "BRADY".

- 10. INSTALL #12 GALVANIZED STEEL PULL WIRE IN EMPTY CONDUITS.
11. LIGHTING AND POWER WIRING SYSTEM CONDUCTORS SHALL BE COLOR CODED AT ALL LOCATIONS WHERE CONDUIT IS BROKEN AND AT EACH CONDUIT TERMINATION.
12. CONDUCTORS #6 AND SMALLER SHALL BE COLOR CODED WITH COLORED INSULATION.
13. CONDUCTORS #4 AND LARGER WHERE NOT AVAILABLE IN COLORS, SHALL BE COLOR CODED WITH COLOR PRESSURE SENSITIVE TAPE AT ALL TERMINATION AND JUNCTION AND PULLBOXES.

CONDUCTOR COLOR CODE

Table with columns: PHASE, 120/240 VOLTS DELTA, 120/208 VOLTS, 277/480 VOLTS

Color code table for conductors: A (BLACK), B (ORANGE), C (BLUE), NEUTRAL (WHITE), GROUND (GREEN)

- 14. CONTROL AND SIGNAL CONDUCTORS SHALL BE COLOR CODED AS DIRECTED BY SYSTEM VENDOR. WRING TAGS SHALL BE SHOWN ON DRAWINGS AND MATCHED ON INDIVIDUAL CONDUCTORS.
15. 3/4" WIDE SELF-ADHESIVE VINYL PLASTIC ELECTRICAL TAPE. ACCEPTABLE MANUFACTURERS ARE: 3M COMPANY "SCOTCH 35" OR APPROVED EQUAL.
16. MINIMUM TWO (2) INCHES OF TAPE SHALL BE APPLIED TO EACH INDIVIDUAL CONDUCTOR IN HALF LAPPED PATTERN.

- E. WIRING DEVICES:
1. DUPLEX RECEPTACLE MOUNTING HEIGHT SHALL BE 1'-6" CENTERLINE ABOVE FINISHED FLOOR, UNLESS OTHERWISE SHOWN, MOUNTED VERTICALLY WITH GROUND POLE UP AND RIGIDLY SUPPORTED FROM STRUCTURE MEMBERS.
2. RECEPTACLES SHALL NOT BE INSTALLED WITHIN 1'-0" OF SINK OR GAS OUTLETS. GFCI RECEPTACLES ARE TO BE USED WITHIN 6'-0" OF SINK.
3. PANELBOARD AND CIRCUIT NUMBERS SHALL BE NEATLY MARKED ON TOP EDGE OF ALL RECEPTACLE PLATES, USING VINYL SELF-LAMINATED WRITE-ON MARKER.
4. A.C. SWITCH MOUNTING HEIGHT SHALL BE 4'-0" CENTERLINE A.F.F., UNLESS OTHERWISE SHOWN, MOUNTED VERTICALLY AND RIGIDLY SUPPORTED FROM STRUCTURAL MEMBERS.

- F. FIELD QUALITY CONTROL:
1. FURNISH NECESSARY INSTRUMENTS AND EQUIPMENT REQUIRED FOR MAKING TESTS, TEST ALL WIRING FOR SHORTS, OPEN CIRCUITS OR GROUNDING.
2. IMMEDIATELY CORRECT ANY DEFECTIVE WORK.
3. WHEN ENTIRE INSTALLATION HAS BEEN COMPLETED AND LIGHTING FIXTURES INSTALLED, TEST OUT CIRCUITS AND SWITCHING, AND DEMONSTRATE THAT OPERATION OF SYSTEM IS IN ACCORDANCE WITH CONTRACT DOCUMENTS.

- H. ADJUSTING AND CLEANING:
1. CLEAN EXPOSED PARTS OF ELECTRICAL EQUIPMENT AND INTERIOR OF PANELS, CABINETS AND SWITCHBOARDS OF DIRT, CEMENT, AND PLASTER AND OTHER MATERIALS.
2. REPLACE OR REFINISH SCRATCHED OR DAMAGED MATERIALS.

END OF SECTION

LIGHTING - EXTERIOR (SEE LUMINAIRE SCHEDULE)

- BOLLARD
GROUND MOUNTED SPOT, FLOOD OR WELL LIGHT
POLE MOUNTED-FLOOD LIGHT
POLE-ARM MOUNTED AREA LIGHT
POLE-TOP MOUNTED AREA LIGHT
WALL MOUNTED FLOOD OR AREA LIGHT

JUNCTION & OUTLET BOXES

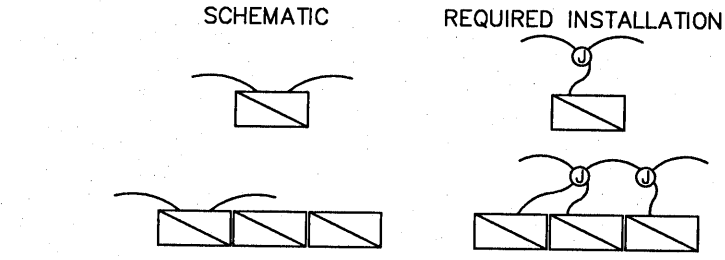
- JUNCTION BOX - CEILING MOUNTED
POWER JUNCTION BOX - CEILING MOUNTED
JUNCTION BOX - WALL MOUNTED
OUTLET BOX - WALL MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
OUTLET BOX - CEILING MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT

BRANCH CIRCUITS

- CONCEALED IN CEILING, WALL, OR IN CEILING SLAB.
CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
EXPOSED.
EMERGENCY.
RUN IN FLEXIBLE METAL CONDUIT.
EMPTY CONDUIT, 3/4" UNLESS OTHERWISE NOTED WITH NYLON PULL CORD.
CONDUIT SEAL FITTING: GROUSE-HINDS #EYS OR APPROVED EQUIVALENT.
HOMERUN TO PANELBOARD AND 20A, 1P BREAKER, UON.

- NOTE: SHOWN 2#12 AND 1#12(G)-1/2"C.
3#12 AND 1#12(G)-3/4"C.
4#12 AND 1#12(G)-3/4"C.
2#10 AND 1#10(G)-3/4"C.
3#10 AND 1#10(G)-3/4"C.
SIZE CONDUIT PER NEC FOR GREATER NUMBER OF CONDUCTORS OR AS NOTED. THE NUMBER IN THE CIRCUIT INDICATES AWD WIRE SIZE AND HASHMARKS INDICATE NUMBER OF WIRES REQUIRED. GROUND WIRE SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250-95. NUMBER OF HASHMARKS DO NOT INCLUDE GROUND WIRE.
RISER: UP, RUNNING TO SOURCE.
RISER: DOWN, RUNNING TO SOURCE.

BRANCH CIRCUIT WIRING FOR LIGHTING IS SHOWN SCHEMATICALLY. EACH LUMINAIRE IS TO BE INSTALLED WITH AN INDIVIDUAL FLEXIBLE CONNECTION. FOR EXAMPLE:



PANELBOARDS

- LIGHTING PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.
RECEPTACLE PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.
POWER PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.

DRAWING CONVENTIONS

- NEW WORK
EXISTING TO REMAIN
EXISTING TO REMOVE

MISCELLANEOUS

- PHOTO-ELECTRIC / PHOTOCCELL SWITCH
RELAY
CONTACTOR

ABBREVIATIONS

Table of abbreviations: A AMPERES, AA AMBIENT AIR COOLED, AIC AMPERES INTERRUPTING CAPACITY, AFF ABOVE FINISHED FLOOR, AL ALUMINUM, ATS AUTOMATIC TRANSFER SWITCH, AWG AMERICAN WIRE GAUGE, C CONDUIT RACEWAY, CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED, CFOI CONTRACTOR FURNISHED OWNER INSTALLED, CU COPPER, OKTS CIRCUITS, CTTIS CLOSED TRANSITION TRANSFER SWITCH, DIA DIAMETER, EC ELECTRICAL CONTRACTOR, EM EMERGENCY, EP EXPLOSION PROOF, EWC ELECTRIC WATER COOLER, FA FORCED AIR COOLED, FMC FLEXIBLE METAL CONDUIT, G GROUND, H MOUNTING HEIGHT TO CENTERLINE, HID HIGH INTENSITY DISCHARGE, HP HORSE POWER, IG ISOLATED GROUND, KVA KILOVOLT-AMPERES, KW KILOWATT, LT LIQUID TIGHT FLEXIBLE METAL CONDUIT, KCMIL THOUSAND CIRCULAR MILS, MV MEDIUM VOLTAGE, OFOI OWNER FURNISHED OWNER INSTALLED, OFCI OWNER FURNISHED CONTRACTOR INSTALLED, N NEUTRAL, NEC NATIONAL ELECTRICAL CODE, NIC NOT IN CONTRACT, NL NIGHT LIGHT, OC ON CENTER, P POLES, PF POWER FACTOR, PH PHASES, PVC POLYVINYL CHLORIDE RACEWAY, RGS RIGID GALVANIZED STEEL, TR TAMPER RESISTANT, UNL UNLESS OTHERWISE NOTED, V VOLTS, W WIRES, WP WEATHERPROOF, NEMA 3R, WR WEATHER RESISTANT, EX EXISTING TO REMAIN, XR EXISTING, REMOVE, XRR EXISTING, REMOVE & RELOCATE, XRL EXISTING, RELOCATED, XRB EXISTING, REMOVE DEVICE AND INSTALL BLANK COVER, XRP EXISTING, REMOVE AND REPLACE WITH NEW

GENERAL NOTES

- 1. POWER SHALL NOT BE DISCONNECTED TO ANY AREA WITHOUT PRIOR WRITTEN PERMISSION FROM THE OWNER.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO REVIEW ALL EXISTING CONDITIONS INCLUDING LOCATIONS AND EXTENT OF ELECTRICAL EQUIPMENT AND SHALL INCLUDE ALL RESULTING COSTS IN BID.
3. DESIGN BASED UPON USE OF TYPE THW (75 DEGREE) COPPER CONDUCTORS.
4. ALL EXTERIOR JUNCTION BOXES SHALL BE WEATHERPROOF.
5. ALL PROTECTIVE DEVICES (INCLUDING CIRCUIT BREAKERS, FUSED SWITCHES, COMBINATION MOTOR STARTERS, ETC.) SHALL HAVE AN INTERRUPTING CAPACITY IN EXCESS OF THE AVAILABLE SHORT CIRCUIT CURRENT.

CONTRACTOR NOTES

- 1. THE ELECTRICAL CONTRACTOR OR (E.C.) SHALL BE RESPONSIBLE FOR CONFORMITY WITH ALL LOCAL CODES AND ORDINANCES, THE NATIONAL ELECTRIC CODE AND ANY ADDITIONAL JURISDICTIONS RELATING TO THE WORK.
2. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY FOR ALL NECESSARY FEES.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, WIRE, BOXES, SWITCHES, LIGHT FIXTURES (WITH LAMPS), RECEPTACLES, SERVICE DEVICES, SWITCHBOARDS AND PANELBOARDS, ETC., REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM.
4. REFER TO THE MECHANICAL DRAWINGS FOR THE EXACT LOCATIONS OF EQUIPMENT, RATINGS, RELAYS, TIME SWITCHES, CIRCUIT BREAKERS, AND OTHER CONTROL AND AUXILIARY DEVICES AND CONTROL WIRING DIAGRAMS.
5. CEILING CLEARANCES ARE CRITICAL FOR THIS PROJECT. GENERAL CONTRACTOR MUST COORDINATE ALL TRADES TO AVOID POTENTIAL INTERFERENCES. CONFLICTS BETWEEN TRADES SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.
6. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
7. THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR ACTUAL LOCATION OF ITEMS WHERE SPECIFIED (LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THOSE SHOWN ON THE ELECTRICAL DRAWINGS). SEE SAID CONFIGURATIONS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC. ROUGH-IN INSTALLATIONS WHICH ARE NOT LOCATED ACCORDING TO THE ARCHITECTURAL ELEVATIONS SHALL BE RELOCATED AT NO ADDITIONAL COST.
8. ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE FIREPROOF SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO THE OTHER.
9. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDE GROUND WIRE.
10. FINAL EQUIPMENT CONNECTIONS - THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR & MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR AND/OR EQUIPMENT FURNISHED BY OTHERS. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZE, OVERCURRENT PROTECTION, PHASE, VOLTAGE, MOTOR ROTATION, ETC., WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER.
11. VERIFY EXISTING SITE CONDITIONS, SERVICE REQUIREMENTS AND EXACT LOCATIONS OF SERVICE FACILITIES BEFORE SUBMITTING BID.
12. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, SPECIFICATION OR CODE WHICH PREScribes AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
13. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
14. ALL BRANCH CIRCUIT CONDUITS SHALL BE GALVANIZED EMT. 1/2" CONDUIT MINIMUM.
15. ALL PANELBOARDS ARE 3P, 4WRE UNLESS NOTED OTHERWISE.
16. ALL FLUSH MOUNTED PANELS SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE ACCESSIBLE CEILING FOR FUTURE CIRCUITS.
17. FIELD MARKING: SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER NEC 110.24. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. REFER TO ANS 253.4-2011 FOR GUIDELINES FOR THE DESIGN AND DURABILITY OF SAFETY SIGNS AND LABELS FOR APPLICATION TO ELECTRICAL EQUIPMENT.
18. PROVIDE ARC-FLASH WARNING LABELS THAT COMPLY WITH NEC 110.16 ON NEW ELECTRICAL EQUIPMENT AND EXISTING EQUIPMENT THAT IS MODIFIED.
19. ALL SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SUPPLIED BY A FEEDER(S) SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER NEC 408.4(f).
20. FOR 120V OR 208V CIRCUITS, CONTRACTOR SHALL INCREASE WIRE SIZE FROM THAT SHOWN ON THE PLANS BY EVERY 100' HOMERUN LENGTH, AND ONE A.W.G. SIZE EVERY 200' FOR 277V AND 480V CIRCUITS.



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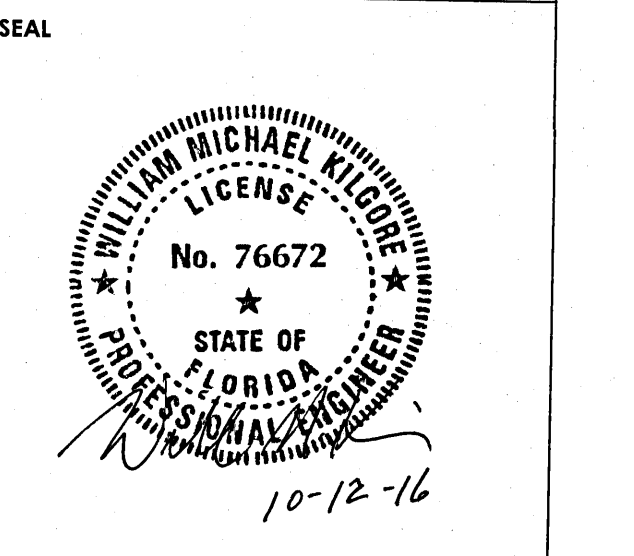


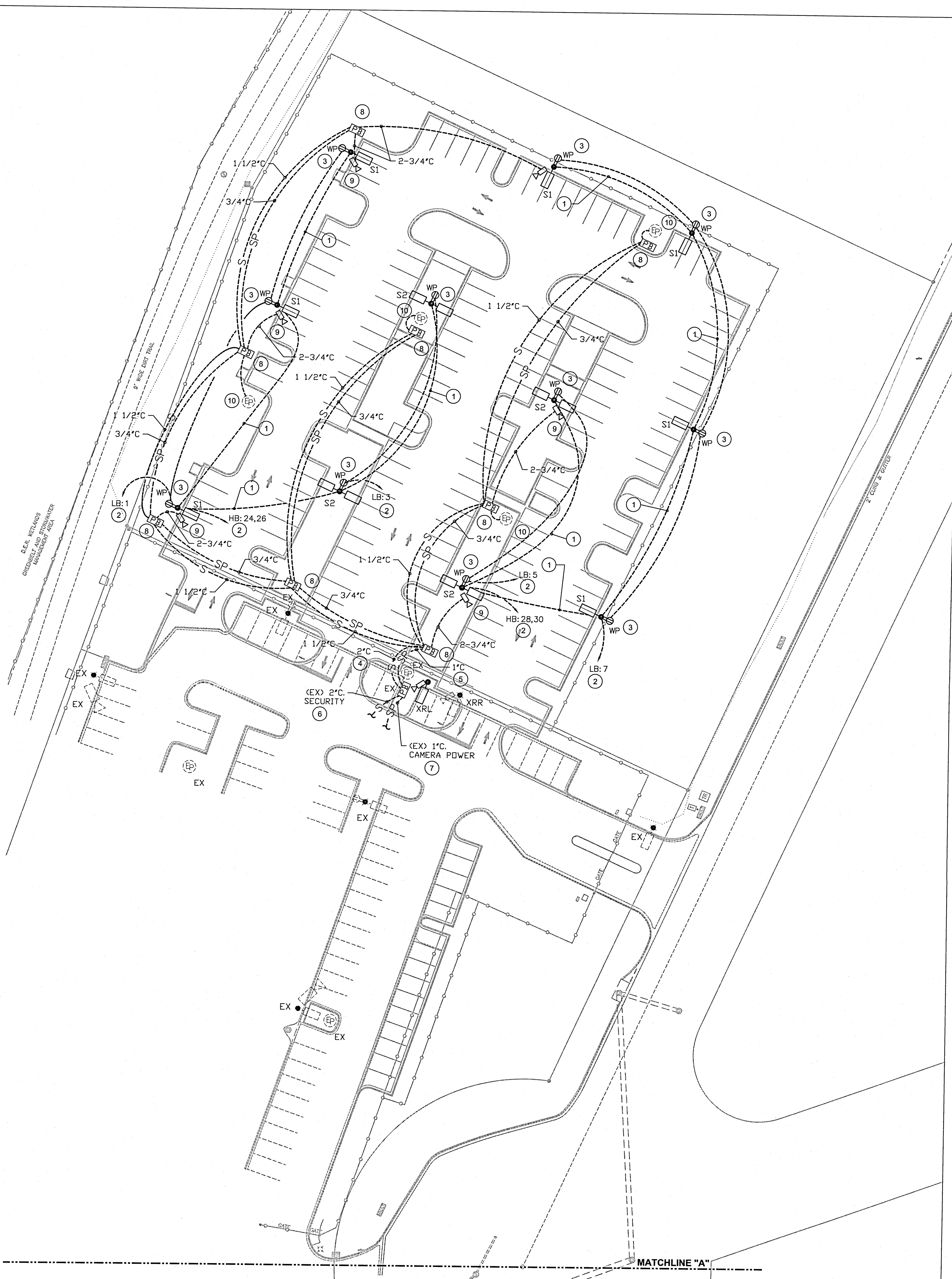
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PROJECT INFORMATION BLOCK table: JOB #, DATE, DRAWN BY, CHECKED BY, EEL PROJECT #, SHEET TITLE

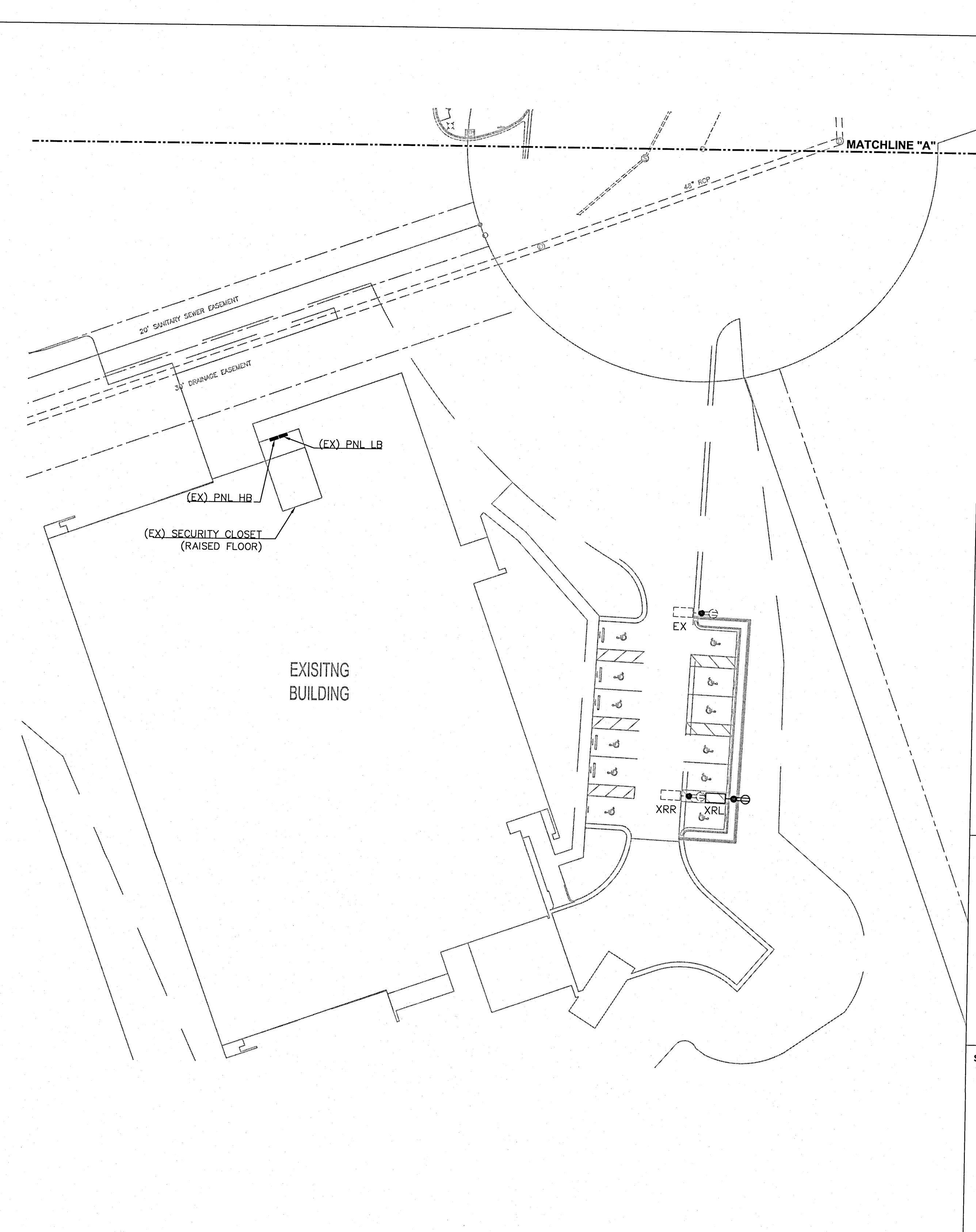
ELECTRICAL LEGEND & SPECIFICATIONS

SHEET NUMBER

E-001



ELECTRICAL SITE PLAN SCALE: 1'-0" = 30'-0" 2



- SHEET NOTES:**
- 1 2#10 & 1#10(G), 3/4\"C.
 - 2 HOMERUN CIRCUIT WITH 2#8 & 1#10 (G), 1\"C. THRU EXISTING BUILDING MANAGEMENT SYSTEM RELAY.
 - 3 MOUNT GFCI WEATHERPROOF RECEPTACLE IN POLE BASE.
 - 4 PRIOR TO BID, VERIFY SPACE AVAILABLE IN EXISTING CONDUIT FOR NEW SECURITY/COMMUNICATION CABLES (COORDINATE WITH OWNER SECURITY VENDOR). IF FOUND INADEQUATE, NOTIFY ENGINEER & ARCHITECT, INCLUDE AS ALTERNATE COST TO PROVIDE (1) - 3\" CONDUIT FROM NEW PULL BOX BACK TO EXISTING SECURITY ROOM.
 - 5 PRIOR TO BID, VERIFY SPACE AVAILABLE IN EXISTING CONDUIT FOR NEW CAMERA POWER CABLES (COORDINATE WITH OWNER SECURITY VENDOR). IF FOUND INADEQUATE, NOTIFY ENGINEER & ARCHITECT, INCLUDE AS ALTERNATE COST TO PROVIDE (1) - 2\" CONDUIT FROM NEW PULL BOX BACK TO EXISTING SECURITY ROOM PANEL FOR CAMERA POWER AS ALTERNATE.
 - 6 EXISTING CONDUIT TO SECURITY ROOM. SEE NOTE 4 ABOVE.
 - 7 EXISTING CONDUIT TO PANEL FOR CAMERA POWER. SEE NOTE 5 ABOVE.
 - 8 PULL BOX, WATER-TIGHT COVER.
 - 9 CAMERA ON LIGHT POLE WITH 2 EACH 3/4\"C. TO THE PULL BOX; ONE CONDUIT FOR CAMERA POWER, ONE CONDUIT FOR SECURITY.
 - 10 EMERGENCY CALL STATION (FURNISHED BY OWNER); ONE 3/4\" CONDUIT TO PULL BOX. PROVIDE CONCRETE BASE, REFER TO DETAIL.

ELECTRICAL SITE PLAN SCALE: 1'-0" = 30'-0" 1

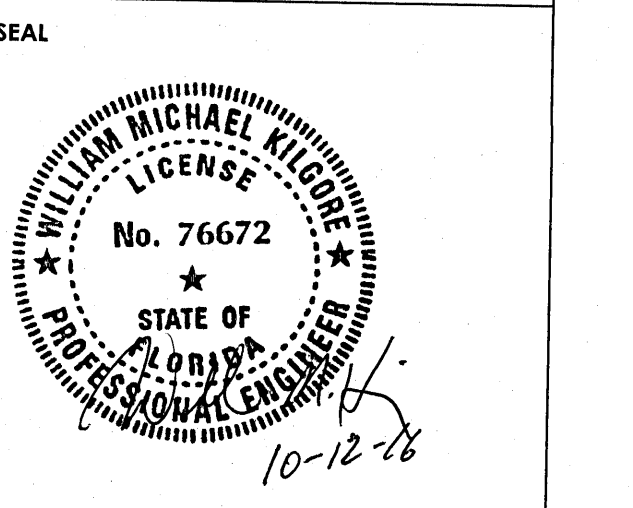


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REGIONS FINANCIAL CORPORATION
CALL CENTER PENSACOLA, FL

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PROJECT INFORMATION BLOCK	
JOB #	163252
DATE	9-6-16
DRAWN BY:	
CHECKED BY:	
EET PROJECT #	BHM16022.07
SHEET TITLE	

ELECTRICAL SITE PLAN

SHEET NUMBER E-010