



SCALE: 1"=40'
(24" X 36")

LEGEND:

TOTAL AREA DISTURBED: CLEARING & GRUBBING; ENTIRELY REMOVE ALL MATERIALS WITHIN LIMITS. REMOVE ALL UNDERGROUND ELEMENTS INCLUDING BUT NOT LIMITED TO TREE ROOTS, STUMPS, CONCRETE, ROCK, ECT...

3.86 ACRES

COMMON BERMUDA GRASS (Cynodon dactylon)

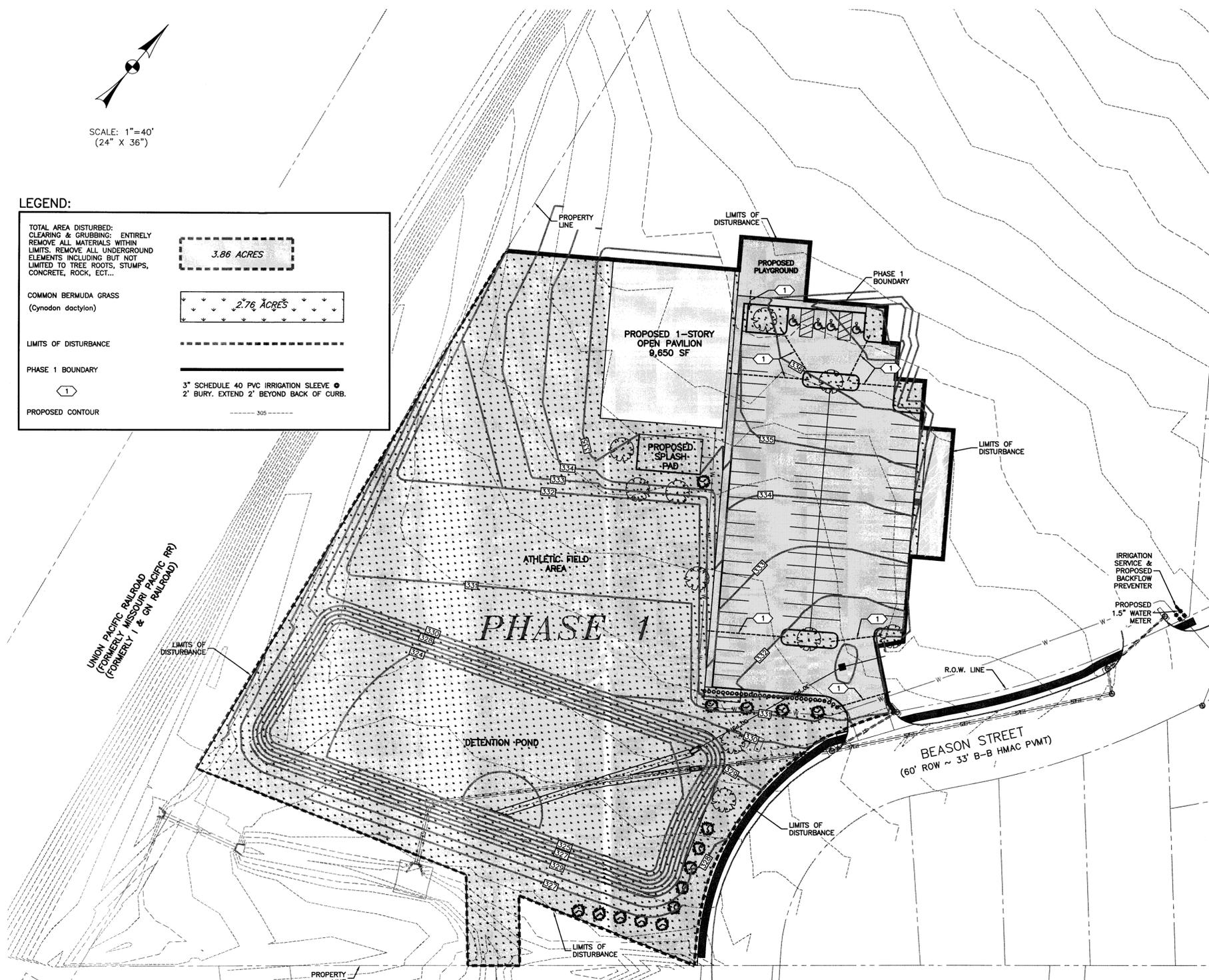
2.76 ACRES

LIMITS OF DISTURBANCE

PHASE 1 BOUNDARY

3" SCHEDULE 40 PVC IRRIGATION SLEEVE @ 2' BURY. EXTEND 2' BEYOND BACK OF CURB.

PROPOSED CONTOUR



GENERAL NOTES:

- ALL PLANT MATERIAL SHALL BE PRUNED / SHAPED AFTER INSTALLATION TO REMOVE ANY BROKEN OR DAMAGED BRANCHES AND TO GIVE UNIFORMITY OF SHAPE.
 - VERIFY ALL QUANTITIES BEFORE INSTALLATION.
 - BROKEN PIECES OF SOO (SMALLER THAN 8" SQUARE) ARE NOT ACCEPTABLE.
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CLEARING ANY DIRT OR MUD FROM PRIVATE AND PUBLIC DRIVEWAYS, PAVEMENT, STREETS, ETC. LANDSCAPE CONTRACTOR IS ALSO RESPONSIBLE FOR KEEPING THE SITE CLEAN DURING CONSTRUCTION AND PLANT INSTALLATION.
 - OWNER IS RESPONSIBLE FOR MAINTAINING EROSION & SEDIMENT CONTROL AFTER CONSTRUCTION & UNTIL ESTABLISHMENT OF VEGETATION ALL PROPOSED "NEW CANOPY TREES" SHALL BE CONTAINERIZED AND HAVE A MINIMUM TRUNK DIAMETER OF 3" MEASURED 12" ABOVE GRADE. INSTALL 3" DIAMETER MULCH RINGS (3" THICK) AROUND ALL TREES. ALL FLOWER BEDS AND MULCH RINGS SHALL BE TOP DRESSED WITH A 2" LAYER OF BLACK HUMUS.
 - AN AUTOMATIC IRRIGATION SYSTEM WILL COVER THE ENTIRE LANDSCAPED AREAS. IRRIGATION SYSTEM TO BE DESIGNED BY OTHERS & SUBMITTED TO CITY FOR APPROVAL.
 - BEDDING SOIL MIX SHALL BE A RAISED (ABOVE GRADE) 8" LAYER OF 20% SANDY LOAM TOPSOIL AND 80% BLACK HUMUS (BLACK VELVET). PROVIDE POSITIVE DRAINAGE AND DO WHATEVER IS NECESSARY TO ACCOMMODATE FINISH FLOOR ELEVATIONS, WEEP HOLES, ETC.
 - FIVE POUNDS OF FERTILIZER (3-2-1 RATIO) PER 1000 SQ. FT. SHALL BE INCORPORATED INTO BEDDING SOIL.
 - 100% COVERAGE OF GROUND COVER, DECORATIVE PAVING, DECORATIVE ROCK, OR A PERENNIAL GRASS IS REQUIRED IN PARKING LOT ISLANDS, SWALES, AND DRAINAGE AREAS, THE PARKING LOT SETBACK, RIGHTS-OF-WAY, AND ADJACENT PROPERTY DISTURBED DURING CONSTRUCTION.
 - TREE LOCATIONS SHOWN ARE APPROXIMATE. PRIOR TO INSTALLATION, HAVE ALL UNDERGROUND UTILITIES MARKED. ADJUST TREE LOCATIONS AS NEEDED TO AVOID DAMAGE TO NEW OR EXISTING UTILITIES OR IRRIGATION LINES. CONTRACTOR IS RESPONSIBLE FOR AND DAMAGE TO EXISTING OR NEW FACILITIES. MAINTAIN 10' SEPARATION BETWEEN CANOPY TREES AND PUBLIC WATER & SANITARY SEWER LINES.
 - LANDSCAPE CONTRACTOR TO GUARANTEE ALL PLANT MATERIAL FOR 1 YEAR.
 - ALL DISTURBED AREAS SHALL BE HYDROMULCH SEEDING (AS PER EROSION CONTROL PLAN) IN ACCORDANCE WITH TxDOT 162/164. PRIOR TO FINAL REVEGETATION, CONTRACTOR IS TO PLACE TOPSOIL TO A DEPTH OF 6". TOPSOIL IS TO BE DISKED TO A DEPTH OF AT LEAST 4" AND LIGHTLY COMPACTED.
 - RE-VEGETATION: HYDROMULCH GRASS SEED MIX TO BE AS SPECIFIED BELOW. PRIOR TO HYDROMULCH OPERATIONS, CONTRACTOR TO REPLACE AND CONSOLIDATE TOPSOIL TO A DEPTH OF 6" INCLUDING WITHIN DITCH SECTIONS. FINAL GRADES WITH ESTABLISHED VEGETATION SHALL BE AS SHOWN ON PLANS. HYDROMULCH TO BE INSTALLED PER TxDOT ITEM 164.
- SEED MIX:
- | | | |
|-----------------|-------------------|------------------|
| FEB 1 - MAY 15: | GREEN SPRANGLETOP | 0.3 LB. PLS./AC. |
| | BERMUDA GRASS | 2.4 LB. PLS./AC. |
| SEP 1 - NOV 30: | TALL FESCUE | 4.5 LB./AC. |
| | ORCHARD GRASS | 24 LB./AC. |
| | WHEAT | 34 LB./AC. |
14. FERTILIZER: 3-1-2 RATIO FERTILIZER W/ SULFUR & TRACE ELEMENTS @ 350 LBS PER ACRE. HYDROMULCH TO BE "EXCEL FIBERMULCH II W/ TACKIFIER" - APPLICATION RATE OF 2500 LBS/ACRE. GRASS SEED AND FERTILIZER INCORPORATED INTO SLURRY.
15. IRRIGATION SYSTEM MUST BE PROTECTED BY EITHER A PRESSURE VACUUM BREAKER, A REDUCED PRESSURE PRINCIPLE BACK FLOW DEVICE, OR A DOUBLE-CHECK BACK FLOW DEVICE, AND INSTALLED AS PER CITY ORDINANCE 2394. ALL BACK FLOW DEVICES SHALL BE INSTALLED AND TESTED UPON INSTALLATION AS PER CITY ORDINANCE 2394.

PLANT LIST:

KEY	QUANTITY	SIZE	COMMON NAME (BOTANICAL NAME)	SF VALUE	TOTAL SF	COMMENTS
CANOPY TREES:						
	10	3.5" CAL.	Live Oak (container) (Quercus virginiana)	350	3500	3" CALIPER MINIMUM AT 12" ABOVE GRADE. MATURE CROWN HEIGHT GREATER THAN 20'
NON-CANOPY TREES:						
	14	1.5" CAL.	Crepe Myrtle (container) (Lagerstroemia Indica) "Watermelon Red"	150	2100	1.5" CALIPER, MINIMUM AT 12" ABOVE GRADE. MAX HEIGHT LESS THAN 20'
SHRUBS:						
	30 (MIN. 2 GAL.)		JUNIPER (Juniper Species)	10	300	SHRUBS USED FOR SCREENING MUST BE 4' TALL WHEN PLANTED
TURF GRASS:						
	120341	SF	COMMON BERMUDA GRASS (Cynodon dactylon)	10/100 SF	997	HYDROMULCH

*997 SF = 15% MAX ALLOWANCE OF TOTAL LANDSCAPING POINTS FOR GROUND COVER

SITE LANDSCAPE CALCULATIONS

LANDSCAPING REQUIREMENTS:

POINT CALCULATIONS:
TOTAL DEVELOPED AREA: 1.02 ACRES = 44293 SF
REQUIRED LANDSCAPING: 15% OF DEVELOPED AREA
44293 X 15% = 6644 SF

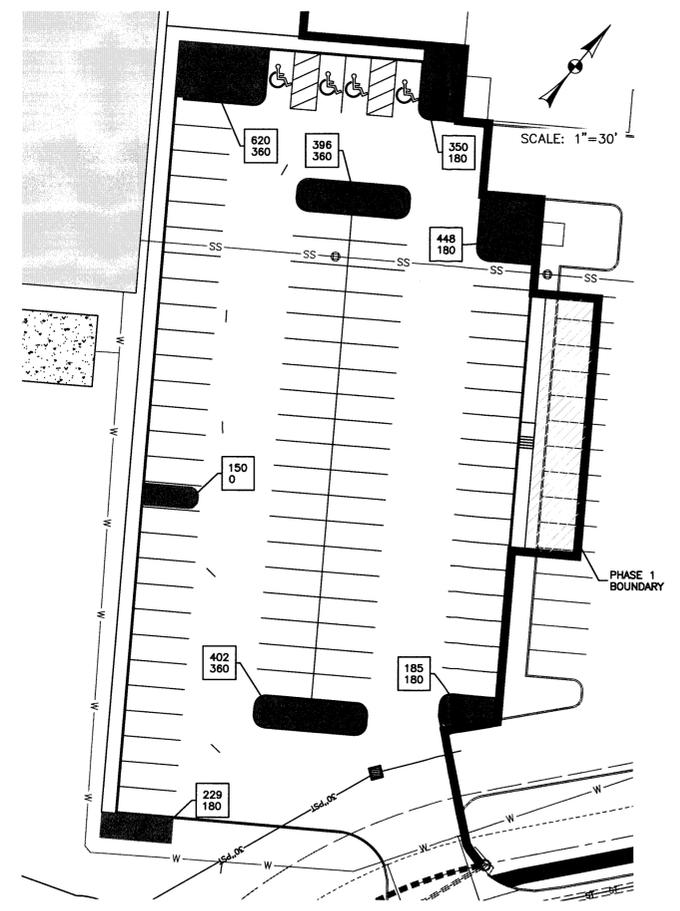
POINTS REQUIRED: 6644 SF

PROVIDED LANDSCAPING:

NEW CANOPY TREES (Container)	10 @ 350 SF (3" CAL. minimum)	3500 = SF
NEW NON-CANOPY TREES (Container)	14 @ 150 SF (1.5" CAL. minimum)	2100 = SF
SHRUBS	30 @ 10 SF (2 gal. minimum)	300 = SF
GRASSES & GROUND COVER	9966 @ 10/100 SF	997 = SF
TOTAL POINTS PROVIDED:		6697 SF

END ISLAND CALCULATIONS

SF PROVIDED	2780	(-) END ISLAND REQUIRED: 10 X 180 SF	PROVIDED: 2780 SF
SF REQUIRED	1800		(-) 1800 SF
		EXCESS ISLAND AREA: 980 SF	



DESIGNED BY: LCH
DRAWN BY: LCH
APPROVED: AAP
JOB NO: E0564600

DON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
4101 BRYAN COLLEGE STATION
BRYAN, TEXAS 77802
TEL: (979) 846-8212
FAX: (979) 846-8252
REGISTRATION #F-2214

GEC
SAN ANTONIO / LAREDO
BRYAN / COLLEGE STATION

REV	DATE	DESCRIPTION

LIVING HOPE BAPTIST CHURCH
LIVING HOPE BAPTIST CHURCH
PHASE 1
LANDSCAPING PLAN
BRYAN, BRAZOS COUNTY, TEXAS

SHEET NO.
C6.1