

NOTE: Map Taken from USGS Shreveport East, LA Quadrangle Map 7.5-Minute Series Dated 2015.

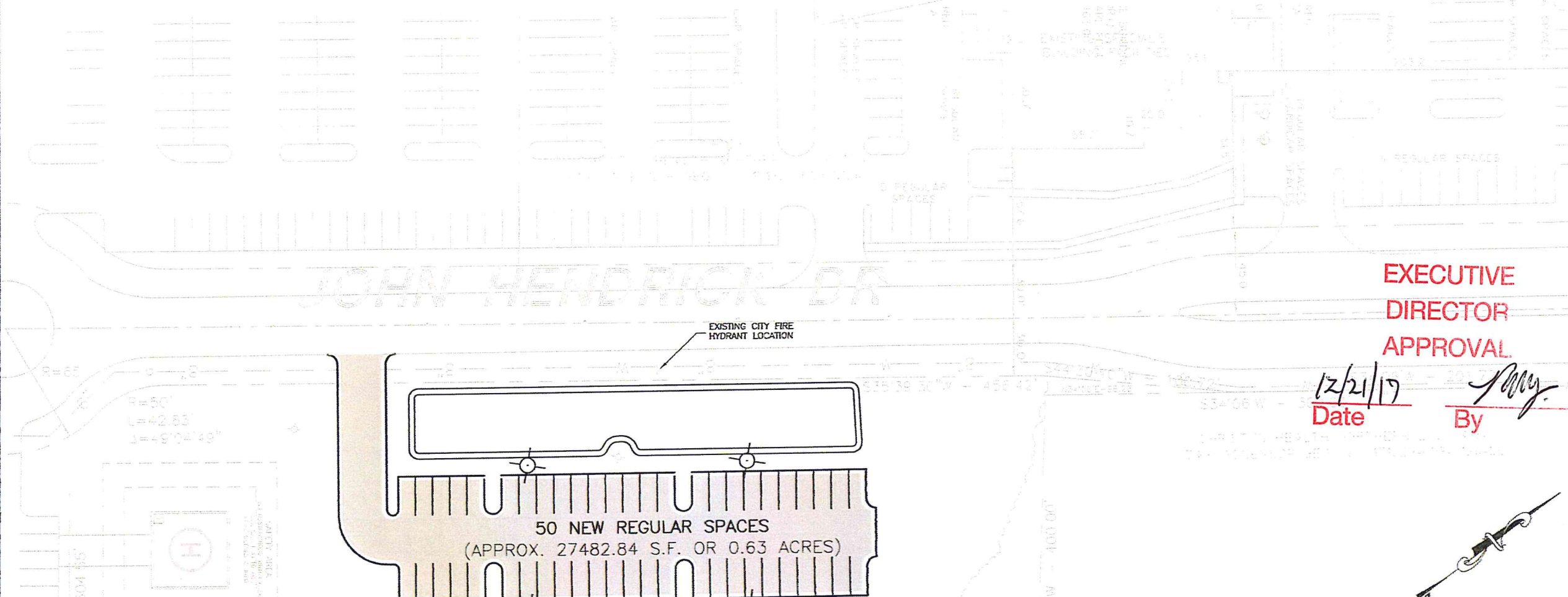
VICINITY MAP
(NOT-TO-SCALE)

HENDRICK DR COUNTERCLOCKWISE ALONG A CURVE TO THE LEFT 14.40FT. SAID CURVE HAVING A RADIUS OF 65 FT. AND A LONG CHORD BEARING N 3 DEG 55 MIN 00 SEC W 14.37 FT., THENCE CONT. NELY ALONG THE S'LY R/W LINE OF JOHN HENDRICK DR CLOCKWISE ALONG A CURVE TO THE R 40.07 FT., CURVE HAVING A RADIUS OF 50 FT AND A LONG CHORD BEARING N 12 DEG 41 MIN 53 SEC E 39.01 FT., THENCE N 35 DEG 39 MIN 30 SEC E 456.42 FT., THENCE N 44 DEG 24 MIN 54 SEC E 101.72 FT., THENCE S 34 DEG 6 MIN 00 SEC W 98.28 FT, THENCE RUN S 52 DEG 14 MIN 00 SEC E 400 FT., THENCE S 42 DEG 6 MIN 16 SEC E 131.46 FT., THENCE S 47 DEG 53 MIN 44 SEC W 33.96 FT., THENCE S 23 DEG 56 MIN 43 SEC W 442.11 FT., THENCE N 54 DEG 3 MIN 37 SEC W 604.55 FT. TO P.O.B. CONTAINING APPROXIMATELY 6.589 ACRES MORE OR LESS.

CADD PLAN, STATE OF LOUISIANA

- | | | | |
|---|-----------------------|--------|----------------|
| ○ | MONUMENT | — | EASEMENT |
| ○ | OAK TREE | —E—E—E | ELECTRIC CABLE |
| ✱ | PINE TREE | —G—G—G | GAS MAIN |
| ⊙ | POWER POLE | ▨ | GRAVEL |
| ⊙ | SIGN | | |
| ⊙ | TELEPHONE POLE | | |
| ⊙ | TELEPHONE RISER/VAULT | | |
| ⊙ | WATER METER | | |
| ⊙ | WATER VALVE | | |

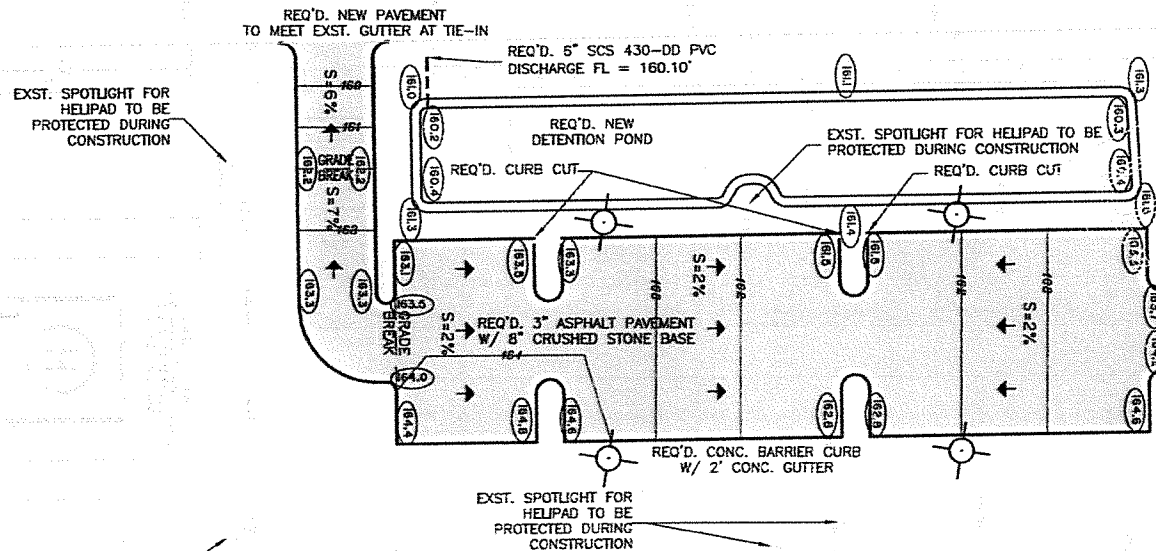
FINAL PROOF COF
NOT TO BE CONSIDERED



**EXECUTIVE
DIRECTOR
APPROVAL**

12/21/19
Date By *Moy*





EXST. SPOTLIGHT FOR HELIPAD TO BE PROTECTED DURING CONSTRUCTION

EXST. SPOTLIGHT FOR HELIPAD TO BE PROTECTED DURING CONSTRUCTION

GENERAL NOTES:

1. (161.5) - NEW TOP OF SLAB SPOT ELEVATION
2. - EXISTING SPOT ELEVATION
3. - DIRECTIONAL FLOW ARROWS
4. -163- - NEW CONTOUR LINE
5. UTILITY LOCATIONS TAKEN FROM COMPANY RECORDS.
6. NEW TOP OF SLAB SPOT ELEVATIONS SHOWN ARE NOT EXACT POINTS & MEANT AS GUIDLINES FOR CONTRACTOR TO FOLLOW FOR FINISHED PAVEMENT GRADE.
7. BEARINGS BASED ON DEED RECORDS.
8. ELEVATIONS BASED ON COS MNT. 383-A = 163.13'

STORMWATER DETENTION WORKSHEET
100-YEAR FREQUENCY STORM
(FOR SITES GREATER THAN 1/2 ACRE CITYWIDE)

PROPOSED PROJECT: CHRISTUS SCHUMPERT HIGHLAND HOSPITAL
ADDRESS:
DRAINAGE BASIN: TOTAL AREA: 0.68 ACRES
TOTAL AREA IMPERVIOUS (EXT): 0.00 ACRES TOTAL AREA IMPERVIOUS (PROP): 0.40 ACRES
CALCULATED BY: JACQUES FONTENOT, PE

EXISTING CONDITIONS (50 YR) PROPOSED CONDITIONS (100 YR)
RUNOFF COEFFICIENT (C): 0.30 RUNOFF COEFFICIENT (C): 0.62
TIME OF CONCENTRATION (Tc): 5.4 min TIME OF CONCENTRATION (Tc): 7.7 min
RAINFALL INTENSITY (I): 7.2 in/hr RAINFALL INTENSITY (I): 7.8 in/hr
AREA (A acres): 1.35 acres AREA (A acres): 1.35 acres
DISCHARGE (Q): 1.64 cfs DISCHARGE (Q): 4.86 cfs
MAXIMUM PERMISSIBLE RELEASE RATE (Qp = Cmax/tp): 1.64 cfs

REQUIRED STORMWATER VOLUME

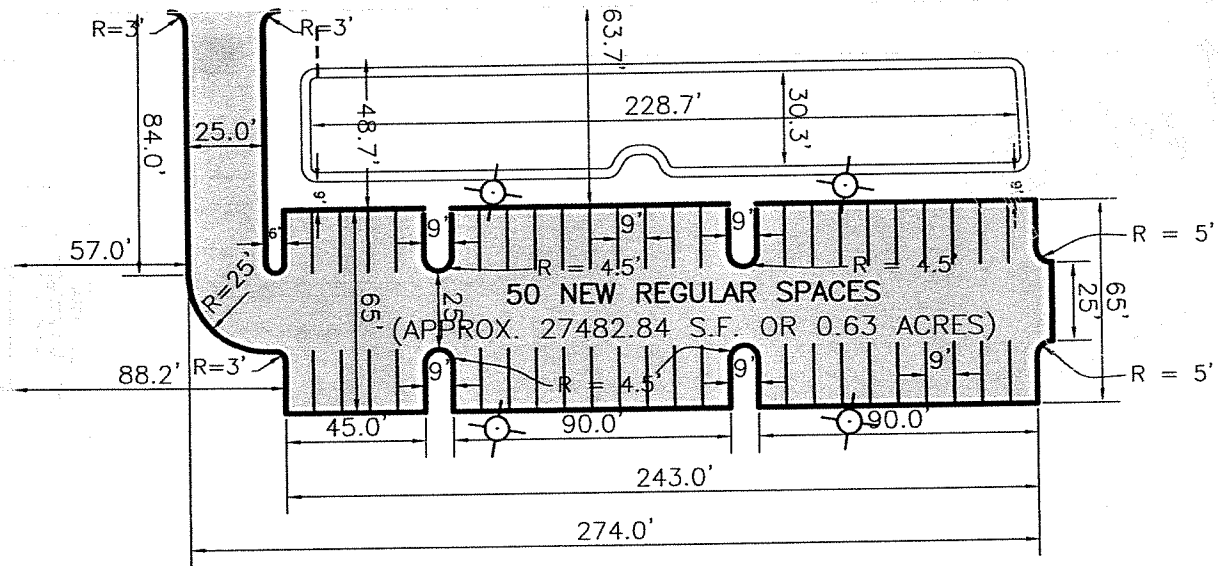
RAINFALL DURATION (hr)	RAINFALL INTENSITY (in/hr)	PEAK DISCHARGE RATE (cfs)	STORM RUNOFF VOLUME (cu ft)	RELEASE RATE VOLUME (cu ft)	STORAGE VOLUME (cu ft)
T	I	Q	V	Q x T x 60 x 60	V - Q x T x 60
5	6.5	4.34	1,300	607	694
10	7.0	3.57	2,142	1,000	1,142
15	6.0	3.06	2,754	1,285	1,469
20	5.4	2.78	3,304	1,542	1,763
25	4.8	2.48	3,675	1,714	1,961

EXISTING CONDITIONS
Q = 1.84 CFS
STORAGE = 0 CU FT

DESIGN CONDITIONS
Q = 4.16 CFS
STORAGE = 5,052 CU FT

LEGEND OF SYMBOLS &

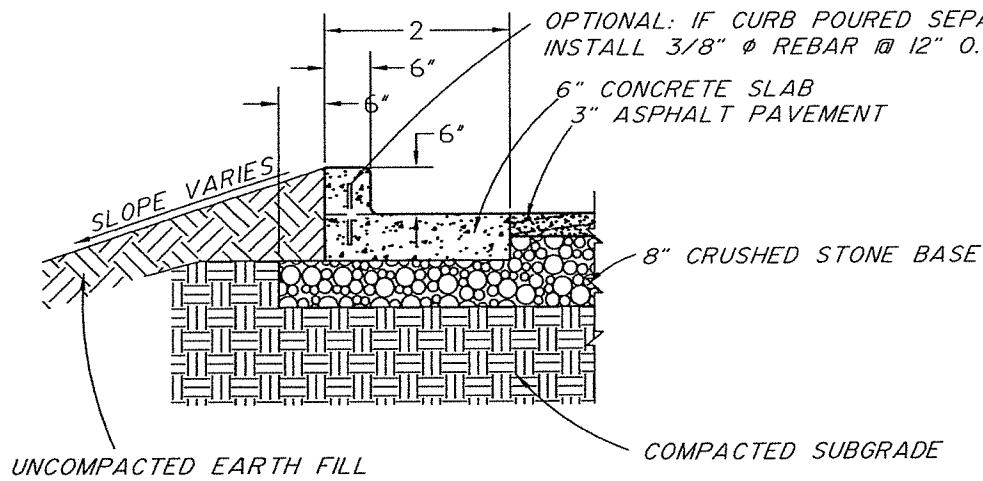
□ CATCH BASIN	▬ ASPHALT
⊞ ELECTRIC BOX	▬ BUILDING
⊞ FIRE HYDRANT	▬ CONCRETE
⊞ GAS METER/RISER	▬ CENTER LINE
⊞ GAS VALVE	▬ CHAIN-LINK FENCE
→ GUY WIRE	▬ EASEMENT
● INLET	▬ ELECTRIC CABLE
● IRON PIPE	▬ GAS MAIN
⊞ LIGHT POLE	▬ GRAVEL
⊞ MANHOLE	
⊞ MONUMENT	
⊞ OAK TREE	
⊞ PINE TREE	
● POWER POLE	
⊞ SIGN	
⊞ TELEPHONE POLE	
⊞ TELEPHONE RISER/VAULT	
⊞ WATER METER	
⊞ WATER VALVE	



STATE OF TEXAS
 DEPARTMENT OF TRANSPORTATION
 TEXAS A&M UNIVERSITY SYSTEM

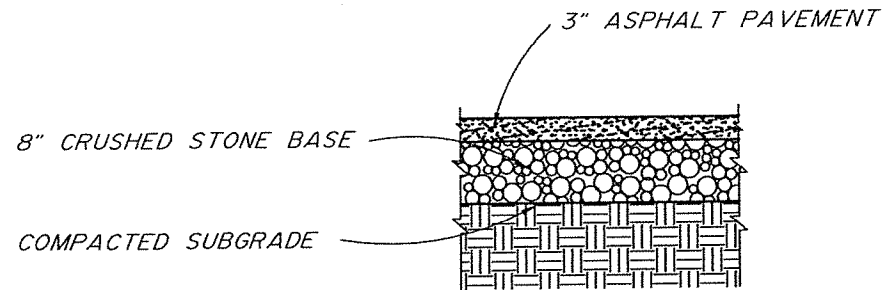
GENERAL NOTES:

1. SUB-BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.
2. 8" CRUSHED STONE BASE TO BE COMPACTED TO 95% STANDARD PROCTOR.
3. CONCRETE TO HAVE A BREAKING STRENGTH OF 4000 PSI @ 28 DAYS.



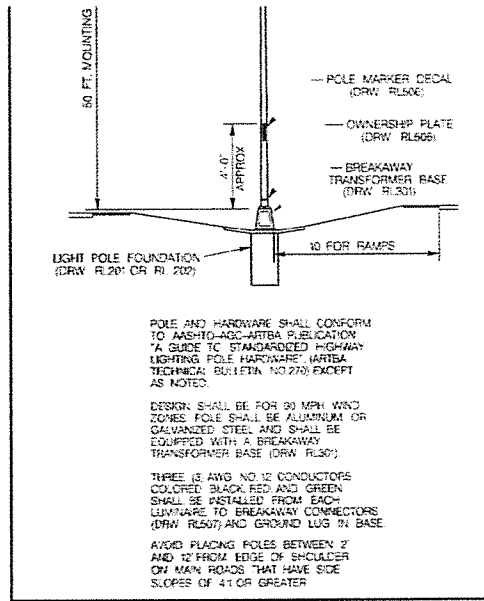
TYPICAL CURB SECTION

N.T.S.

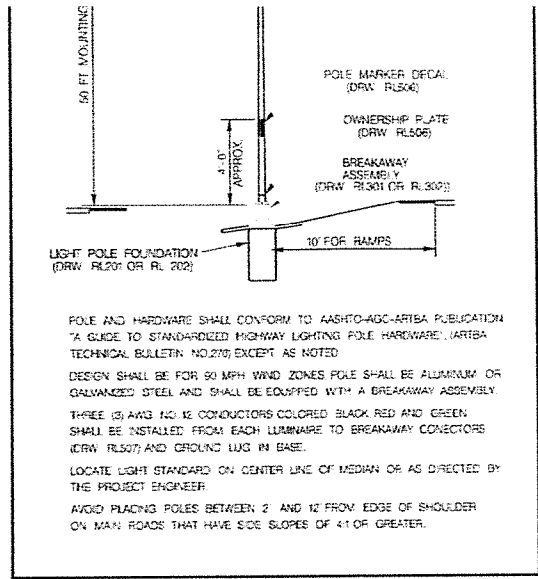


ASPHALT PAVEMENT SECTION

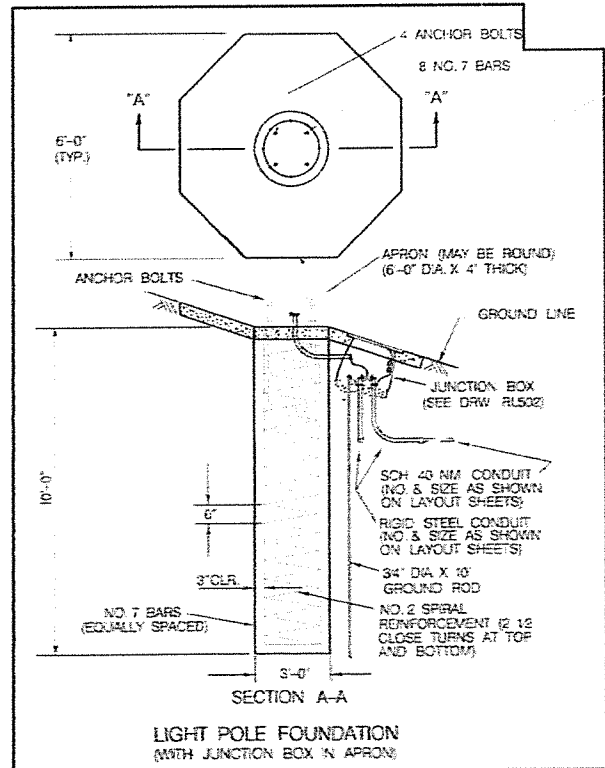
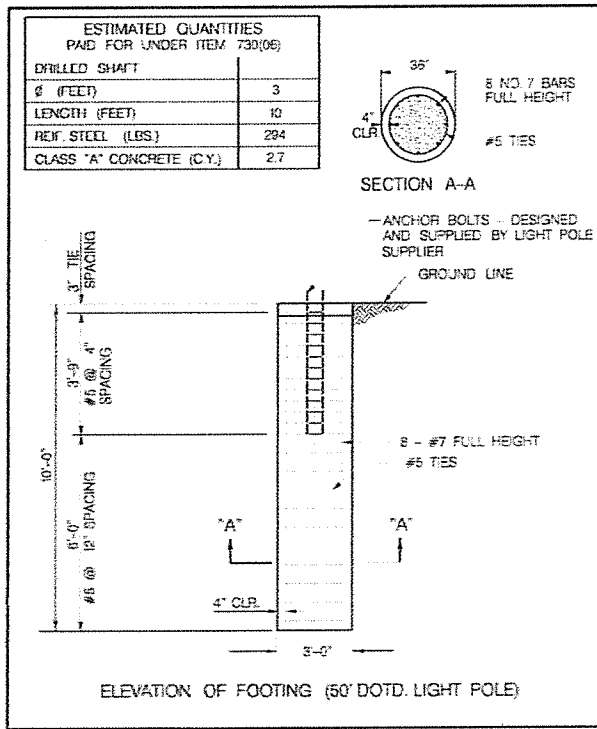
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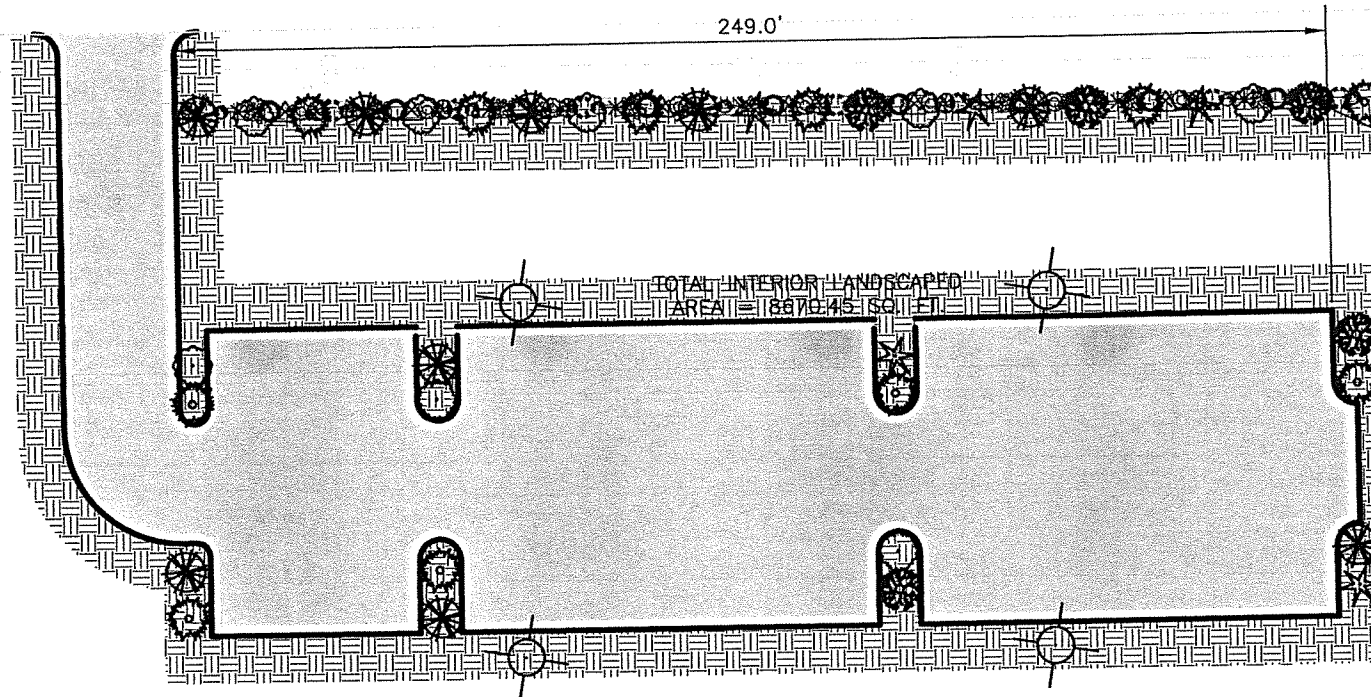


TYPICAL LIGHT POLE INSTALLATION
(SIDE GROUND MOUNTING)
 NOT TO SCALE



TYPICAL LIGHT POLE INSTALLATION
(SIDE GROUND MOUNTING)
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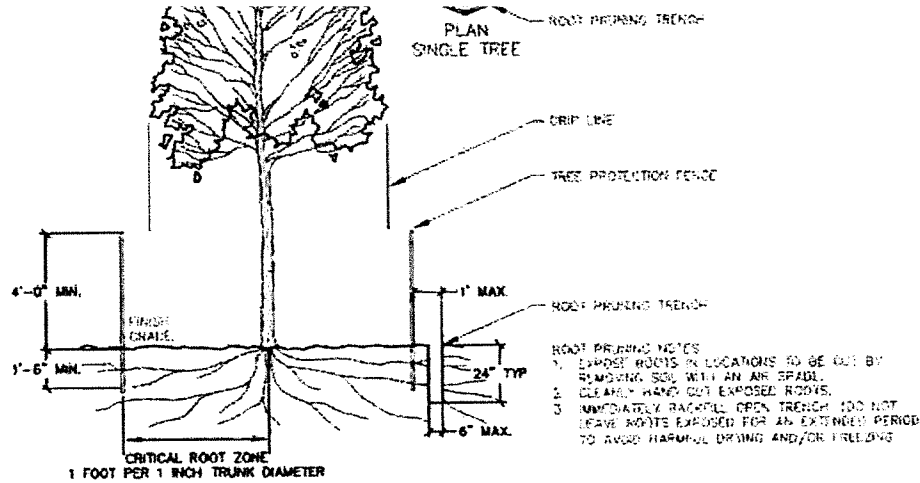
REQ'D. ALONG ROAD FRONTAGE
75 SHRUBS & 22 ORNAMENTAL TREES

SCHEDULE OF PLANT MATERIALS

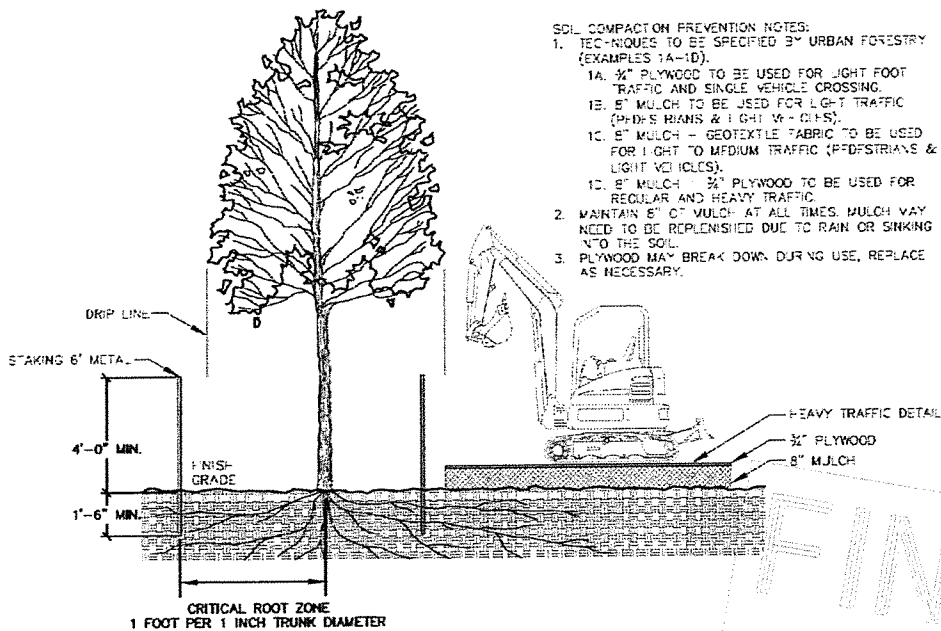
QUANTITY	BOTANICAL NAME	COMMON NAME	SPACING	CALIPER	DESCRIPTION	SYMBOL	HEIGHT	PERCENTAGE
TREES								
5	LAGERSTROEMIA INDICA	(PROPOSED) CRAPE MYRTLE	AS SHOWN	2"	SMALL TREES (10-25 FEET)		15-20'	13%
5	CORNUS FLORIDA	(PROPOSED) STIFF DOGWOOD	AS SHOWN	4"	SMALL TREES (10-25 FEET)		15'	13%
8	RHUS GLABRA	(PROPOSED) SUMAC, SMOOTH	AS SHOWN	2"	SMALL TREES (10-25 FEET)		8'-10'	21%
11	VIBURNUM DENTATUM	(PROPOSED) VIBURNUM, ARROWWOOD	AS SHOWN		SMALL TREES (10-25 FEET)		8'-10'	29%
9	STYRAX AMERICANUS	(PROPOSED) SNOWBELL, AMERICAN	AS SHOWN		SMALL TREES (10-25 FEET)		8'-10'	24%
10	GARDENIA JASHINOIDES	(PROPOSED) GARDENIA	AS SHOWN		SHRUBS		2'-5'	12.5%
9	JASMINUM FLORIDUM	(PROPOSED) FLORIDA JASMINE	AS SHOWN		SHRUBS		2'-5'	12.5%
9	RATIBIDA COLUMNIFERA	(PROPOSED) UPRIGHT PRAIRIE CONEFLOWER	AS SHOWN		SHRUBS		2'-3'	12.5%
9	BUXUS SINICA VAR. INSULARIS 'WINTERGREEN'	(PROPOSED) KOREAN BOXWOOD	AS SHOWN		SHRUBS		2'-5'	12.5%
9	DELPHINIUM CHINENSIS	(PROPOSED) "DIAMONDS BLUE" DELPHINIUM	AS SHOWN		SHRUBS		2'-4'	12.5%
9	HEMERCALLIS FULVA	(PROPOSED) DAYLILY	AS SHOWN		SHRUBS		2'-5'	12.5%

GENERAL NOTES:

- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE FULL YEAR TO BE IN HEALTHY GROWING CONDITION. PLANT MATERIAL WHICH DO NOT FULFILL THIS GUARANTEE SHALL BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT SHALL BE GUARANTEED THROUGHOUT THE ORIGINAL GUARANTEE PERIOD. PLANTS THAT DIE WITHIN 60 DAYS AFTER INSTALLATION SHALL BE REPLACED IMMEDIATELY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL WATERING DURING CONSTRUCTION AND UNTIL APPROVAL AND ACCEPTANCE BY OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITY COMPANIES PRIOR TO BEGINNING FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM WATER AND SEWER CONNECTIONS.
- ALL PLANT MATERIALS AND PLANTING METHODS SHALL CONFORM TO A.A.N. STANDARDS.
- THE ONE YEAR GUARANTEE PERIOD WILL BEGIN UPON THE OWNER'S APPROVAL AND ACCEPTANCE OF THE PLANTING INSTALLATION. THE OWNER SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE INCLUDING WATERING AND WEEDING.
- FOR TREES BALLED IN WIRE BASKETS, CUT AND REMOVE TOP AND SIDES OF BASKET AFTER INSTALLATION.
- TOTAL SQUARE FOOTAGE OF LANDSCAPED AREA = 12,446.05 S.F.
- PAVEMENT AESTHETICS TO MATCH EXST. NEARBY PARKING LOT TO MAINTAIN CAMPUS CONTINUITY.
- REQ'D. TOTAL 75 SHRUBS & 38 ORNAMENTAL (SMALL) SHADE TREES.
- REQ'D. PLACEMENT OF SHRUBS TO BE EVERY 3.4' ALONG ROAD FRONTAGE.
- REQ'D. ANY AREA OUTSIDE OF REQ'D. PLANTINGS TO BE SEEDED/PLANTED W/ GRASS.

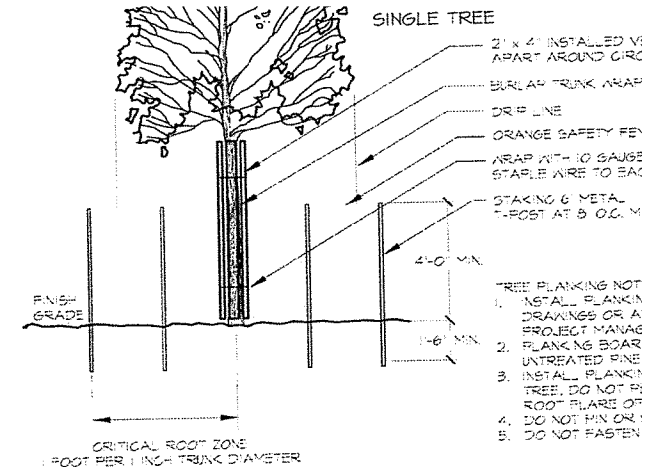


ROOT PRUNING DETAIL
NOT TO SCALE

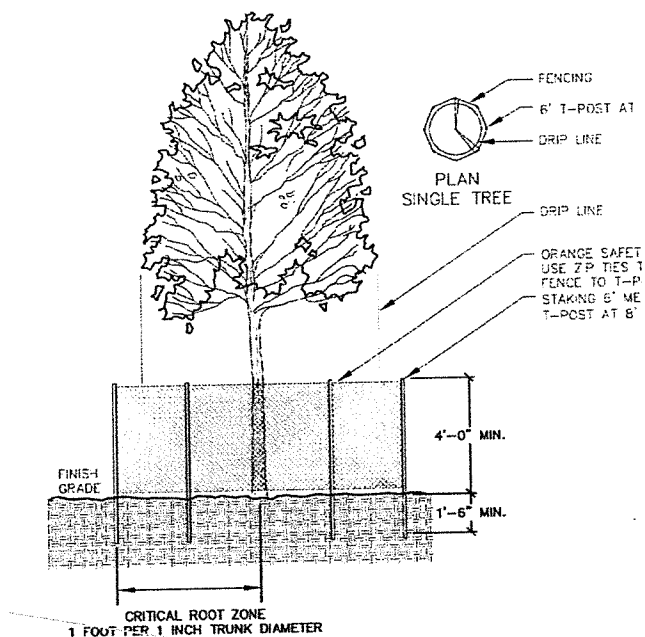


SOIL COMPACTION PREVENTION DETAIL
NOT TO SCALE

- PLANT LIST:
- SHADE TREES, INCLUDING BROAD-LEAF EVERGREENS, MUST HAVE A MINIMUM TRUNK SIZE OF THREE INCHES IN DIAMETER AT BREAST HEIGHT (DHB) AT PLANTING.
 - ALL REQUIRED ORNAMENTAL TREES SHALL BE 2" MINIMUM CALIPER, WITH A SINGLE DOMINATE CENTRAL TRUNK. MULTI-TRUNK TREES MUST HAVE A MINIMUM HEIGHT OF EIGHT FEET AT PLANTING.
 - ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED, UNLESS SPECIFIED OTHERWISE, AND MUST MEET ALL REQUIREMENTS SPECIFIED ON PLANS.
 - ALL TREES AND SHRUBS SHALL BE INSTALLED PER STANDARD MPC PLANTING DETAILS.
 - ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER CONSTRUCTION.
 - ALL PLANTING AREAS MUST BE COMPLETELY MULCHED WITH A 4" LAYER OF ORGANIC HARDWOOD MULCH. MULCH SHALL BE NOT BE PLACED IMMEDIATELY ADJACENT TO TREE TRUNKS, BUT SHALL BE KEPT AT LEAST 3" FROM ROOT COLLAR AT THE SOIL LINE.
 - ALL PROPOSED PLANTING AREAS COVERED BY GRASS SHALL HAVE THE SOD COMPLETELY REMOVED BEFORE PLANTING BEGINS.
 - ALL PLANTING BEDS SHALL BE CONTAINED BY EDGING MATERIAL OTHER THAN VEGETATION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION AT NO COST TO THE OWNER.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING MATERIAL (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) IN ALL PLANTING AREAS AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
 - THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
 - ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
 - NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE CONSTRUCTION BEGINS.
 - ALL DISTURBED AREAS SHALL BE SEEDED WITH A GRASS SEED MIX CONSISTING OF 70% TURF TYPE FESCUE, 20% PERENNIAL RYE, AND 10% BERMUDA GRASS AT 5 POUNDS PER 1,000 SQUARE FEET.
 - ALL AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND BE GRADED PER THE GRADING PLAN.
 - IRRIGATION SHALL BE AN UNDERGROUND AUTOMATIC SYSTEM AS REQUIRED BY THE UNIFIED DEVELOPMENT CODE LANDSCAPE ORDINANCE.
 - MAINTENANCE: THE CURRENT OWNER OF THE PROPERTY SHALL BE RESPONSIBLE FOR THE ONGOING MAINTENANCE OF REQUIRED LANDSCAPING.
 - REPLACEMENT LANDSCAPING: REQUIRED LANDSCAPING THAT DIES OR IS DAMAGED SHALL BE REMOVED AND REPLACED BY THE CURRENT OWNER OF THE PROPERTY. THE OWNER SHALL HAVE 60 DAYS FROM THE RECEIPT OF WRITTEN NOTICE ISSUED BY THE CITY TO REMOVE AND REPLACE ANY REQUIRED LANDSCAPING THAT DIES OR IS DAMAGED.
 - ANY STRUCTURAL SOIL REQUIRED MUST BE INDICATED ON PLAN, HAVE CERTIFIED DOCUMENTATION, AND BE INSPECTED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - MAINTAIN 5" MIN. HORIZONTAL SEPARATION BETWEEN TREE PLANTINGS AND UTILITY LINES.
 - ALL PLANTING DETAILS ARE ACCORDING TO THE UNIFIED DEVELOPMENT CODE LANDSCAPE MANUAL.

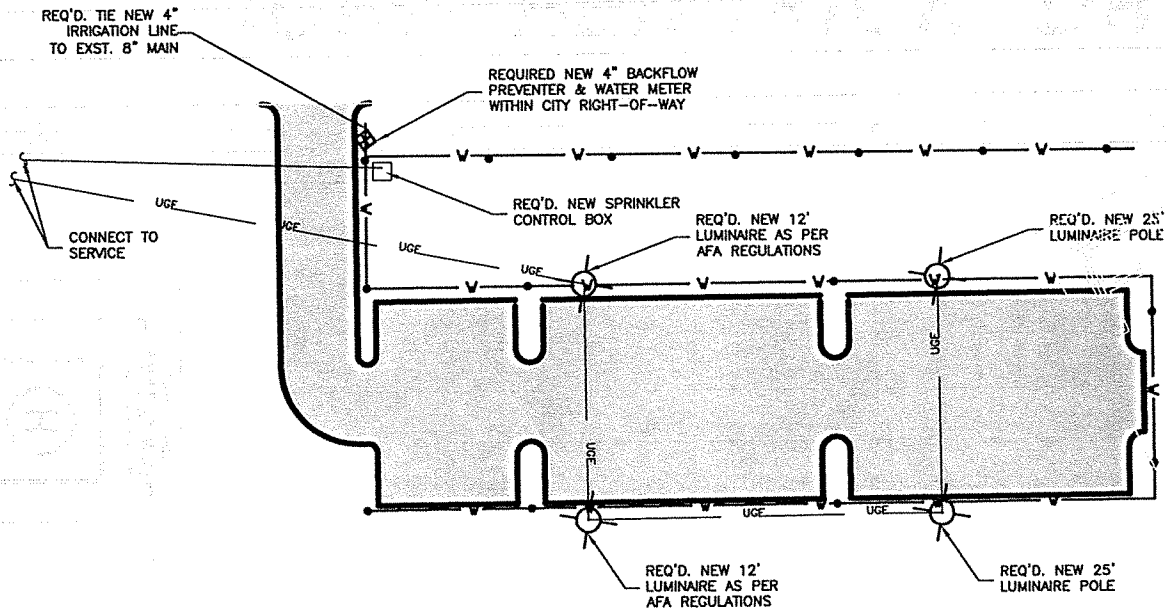


TREE PRESERVATION FENCING AND PLANKING DETAIL
NOT TO SCALE



TREE PRESERVATION FENCING DETAIL
NOT TO SCALE

FINAL PROOF COPY FOR CONSTRUCTION



GENERAL NOTES:

1. AUTOMATIC SPRINKLER SYS. TO INCLUDE APPROPRIATE SHUT-OFF DEVICES, MANUAL OVER-RIDES, AND RAIN SENSORS.
2. IRRIGATION PIPE. USE POLYVINYL CHLORIDE (PVC) PIPE MEETING ASTM D2241, SDR 13.5, SDR 17, SDR 21; OR ASTM D1785, SCHEDULE 40. FITTINGS. FURNISH FITTINGS AS SHOWN ON THE PLANS. PVC FITTINGS MUST MEET ASTM D2466.
3. ENCASEMENT PIPE. USE PVC PIPE MEETING ASTM D1785, SCHEDULE 40, WITH AN INSIDE DIAMETER AT LEAST 1 IN. LARGER THAN THE OUTSIDE DIAMETER OF THE IRRIGATION PIPE, UNLESS OTHERWISE SHOWN ON THE PLANS.
4. LOW-VOLTAGE WIRE. USE MINIMUM 14 GAUGE UL-APPROVED WIRE FOR DIRECT BURIAL.
5. BENTONITE SLURRY. USE A VISCOUS MIXTURE OF COMMERCIAL BENTONITE AND FRESHWATER CONTAINING 2% TO 8% BENTONITE BY WEIGHT.
6. ACCESSORIES. USE VALVES, SPRINKLER HEADS, AND CONTROLLERS THAT MEET THE REQUIREMENTS SHOWN ON THE PLANS.
7. USE BACKFLOW PREVENTERS THAT MEET THE REQUIREMENTS OF THE CITY OF SHREVEPORT.
8. ELECTRICAL SERVICE. USE MATERIALS MEETING THE REQUIREMENTS OF SECTION 170.3.1., "ELECTRICAL SERVICE," FOR INSTALLATIONS REQUIRING OVER 100V.
9.
 - RPS75I PLASTIC 4" RISER ROTARY GEAR DRIVEN COMMERCIAL GRADE SPRINKLER - EASY ARC SET - 28' TO 46' RADIUS (OR APPROVED EQUAL) SPACED 40' APART.