GENERAL NOTES

1. THESE PLANS SHALL NOT BE UTILIZED FOR CONSTRUCTION OR PERMITTING UNLESS STATED FOR SUCH USE IN THE TITLE BLOCK.
2. DRAWINGS ARE INTENDED TO BE PRINTED ON 30" X 42" PAPER. PRINTING THESE DRAWINGS AT A DIFFERENT SIZE WILL IMPACT THE SCALE. VERIFY THE GRAPHIC SCALE BEFORE REFERENCING ANY MEASUREMENTS ON THESE SHEETS. THE RECIPIENT OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM INCORRECT PRINTING, COPYING, OR ANY OTHER CHANGES THAT ALTER THE SCALE OF THE DRAWINGS.
3. VERIFY ALL PLAN DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE TO ADDRESS ANY QUESTIONS OR CLARIFY ANY DISCREPANCIES.
4. SUBMIT A CHANGE ORDER FOR APPROVAL FOR ANY CHANGES TO WORK SCOPE RESULTING FROM FIELD CONDITIONS OR DIRECTION BY OWNER'S REPRESENTATIVE WHICH REQUIRE ADDITIONAL COST TO THE OWNER PRIOR TO PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED. ALL LAYOUT INFORMATION IS AVAILABLE IN DIGITAL FORMAT FOR USE BY THE CONTRACTOR.
6. IF A GEOTECHNICAL SOILS REPORT IS NOT AVAILABLE AT THE TIME OF CONSTRUCTION, NORRIS DESIGN RECOMMENDS A REPORT BE AUTHORIZED BY THE OWNER AND THAT ALL RECOMMENDATIONS OF THE REPORT ARE FOLLOWED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE THESE CONTRACT DOCUMENTS AS A BASIS FOR THE BID. IF THE OWNER ELECTS TO PROVIDE A GEOTECHNICAL REPORT, THE CONTRACTOR SHALL REVIEW THE REPORT AND SUBMIT AN APPROPRIATE CHANGE ORDER TO THE OWNER'S REPRESENTATIVE IF ADDITIONAL COSTS ARE REQUESTED.
7. CONTRACTOR SHALL CONFIRM THAT SITE CONDITIONS ARE SIMILAR TO THE PLANS, WITHIN TOLERANCES STATED IN THE CONTRACT DOCUMENTS, AND SATISFACTORY TO THE CONTRACTOR PRIOR TO START OF WORK. SHOULD SITE CONDITIONS BE DIFFERENT THAN REPRESENTED ON THE PLANS OR UNSATISFACTORY TO THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND FURTHER DIRECTION.
8. CONTRACTOR IS RESPONSIBLE TO PAY FOR, AND OBTAIN, ANY REQUIRED APPLICATIONS, PERMITTING, LICENSES, INSPECTIONS AND METERS ASSOCIATED WITH WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO ANY VIOLATIONS OR NON-CONFORMANCE WITH THE PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, JURISDICTIONAL CODES, AND REGULATORY AGENCIES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY LOCATES PRIOR TO ANY EXCAVATION. REFER TO ENGINEERING UTILITY PLANS FOR ALL PROPOSED UTILITY LOCATIONS AND DETAILS. NOTIFY OWNER'S REPRESENTATIVE IF EXISTING OR PROPOSED UTILITIES INTERFERE WITH THE ABILITY TO PERFORM WORK.
11. UNLESS IDENTIFIED ON THE PLANS FOR DEMOLITION OR REMOVAL, THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT OR EXISTING LANDSCAPE, ADJACENT OR EXISTING PAVING, OR ANY PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION, ESTABLISHMENT OR DURING THE SPECIFIED MAINTENANCE PERIOD. ALL DAMAGES SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOGGING ANY DAMAGES PRIOR TO START OF CONSTRUCTION AND DURING THE CONTRACT PERIOD.
12. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE APPROPRIATE JURISDICTIONAL AGENCIES AND THE OWNER'S REPRESENTATIVE IF THEIR WORK AND OPERATIONS AFFECT OR IMPACT THE PUBLIC RIGHTS-OF-WAY. OBTAIN APPROVAL PRIOR TO ANY WORK WHICH AFFECTS OR IMPACTS THE PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THIS REQUIREMENT DURING THE CONTRACT PERIOD.
15. SIGHT TRIANGLES AND SIGHT LINES SHALL REMAIN UNOBSTRUCTED BY EQUIPMENT, CONSTRUCTION MATERIALS, PLANT MATERIAL OR ANY OTHER VISUAL OBSTACLE DURING THE CONTRACT PERIOD AND AT MATURITY OF PLANTS PER LOCAL JURISDICTIONAL REQUIREMENTS. NO PLANT MATERIAL OTHER THAN GROUND COVER IS ALLOWED TO BE PLANTED ADJACENT TO FIRE HYDRANTS AS STIPULATED BY JURISDICTIONAL REQUIREMENTS.
16. COORDINATE SITE ACCESS, STAGING, STORAGE AND CLEANOUT AREAS WITH OWNER'S REPRESENTATIVE.
17. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SAFETY FENCING AND BARRIERS AROUND ALL IMPROVEMENTS SUCH AS WALLS, PLAY STRUCTURES, EXCAVATIONS, ETC. ASSOCIATED WITH THEIR WORK UNTIL SUCH FACILITIES ARE COMPLETELY INSTALLED PER THE PLANS, SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THEIR MATERIAL STOCK PILES AND WORK FROM VANDALISM, EROSION OR UNINTENDED DISTURBANCE DURING THE CONSTRUCTION PERIOD AND UNTIL FINAL ACCEPTANCE IS ISSUED.
19. THE CONTRACTOR SHALL KNOW, UNDERSTAND AND ABIDE BY ANY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ASSOCIATED WITH THE SITE. IF A STORM WATER POLLUTION PREVENTION PLAN IS NOT PROVIDED BY THE OWNER'S REPRESENTATIVE, REQUEST A COPY BEFORE PERFORMANCE OF ANY SITE WORK.
20. MAINTAIN ANY STORM WATER MANAGEMENT FACILITIES THAT EXIST ON SITE FOR FULL FUNCTIONALITY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ANY NEW STORM WATER MANAGEMENT FACILITIES THAT ARE IDENTIFIED IN THE SCOPE OF WORK TO FULL FUNCTIONALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER FOR FAILURE TO MAINTAIN STORM WATER MANAGEMENT FACILITIES DURING THE CONTRACT PERIOD.
21. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM EXITING THE SITE OR ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS DURING THEIR CONTRACTED COURSE OF WORK.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT ANY IMPACTS TO ADJACENT WATERWAYS, WETLANDS, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS RESULTING FROM WORK DONE AS PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE STANDARDS DURING THEIR CONTRACTED COURSE OF WORK.
24. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CONSTRUCTION MATERIAL IMPORTED TO OR EXPORTED FROM THE PROJECT SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT. TRANSPORTATION METHODS ON PUBLIC RIGHT-OF WAYS SHALL CONFORM TO JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS.
25. THE CLEANING OF EQUIPMENT IS PROHIBITED AT THE JOB SITE UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE IN A DESIGNATED AREA. THE DISCHARGE OF WATER, WASTE CONCRETE, POLLUTANTS, OR OTHER MATERIALS SHALL ONLY OCCUR IN AREAS DESIGNED FOR SUCH USE AND APPROVED BY THE OWNER'S REPRESENTATIVE.
26. THE CLEANING OF CONCRETE EQUIPMENT IS PROHIBITED AT THE JOB SITE EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE IN THE STORM SEWER IS PROHIBITED.
27. OPEN SPACE SWALES: IF SWALES ARE EXISTING ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE CONVEYANCE OF WATER WITHIN THE SWALES DURING THE CONTRACT PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DIVERSION OR PUMPING OF WATER IF REQUIRED TO COMPLETE WORK. ANY SWALES DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. IF THE SWALE NEEDS TO BE DISTURBED OR MODIFIED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO DISTURBANCE.
28. DETENTION AND WATER QUALITY PONDS: IF DETENTION PONDS AND WATER QUALITY PONDS ARE EXISTING ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE PONDS, DRAINAGE STRUCTURES AND SPILLWAYS DURING CONSTRUCTION. ALL PONDS, DRAINAGE STRUCTURES AND SPILLWAYS SHALL BE MAINTAINED IN OPERABLE CONDITIONS AT ALL TIMES. ANY POND OR SPILLWAY AREAS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. IF THE POND NEEDS TO BE DISTURBED OR MODIFIED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO DISTURBANCE.
29. MAINTENANCE ACCESS BENCHES: IF MAINTENANCE BENCHES OR ACCESS ROADS EXIST ON SITE AND ARE NOT INTENDED TO BE MODIFIED AS PART OF THE PLANS, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE BENCHES OR ACCESS ROADS DURING CONSTRUCTION. ANY BENCHES OR ACCESS ROADS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING BENCHES AND ACCESS ROADS DURING THE CONSTRUCTION PERIOD. IF ACCESS NEEDS TO BE BLOCKED FOR ANY REASON, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INTERRUPTION OF ACCESS.
30. LOCAL, STATE AND FEDERAL JURISDICTIONAL REQUIREMENTS, RESTRICTIONS OR PROCEDURES SHALL SUPERSEDE THESE PLANS, NOTES AND SPECIFICATIONS WHEN MORE STRINGENT. NOTIFY THE OWNER'S REPRESENTATIVE IF CONFLICTS OCCUR.

EROSION NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOW LINE AND THE PUBLIC RIGHTS-OF-WAY AS A RESULT OF THIS SITE DEVELOPMENT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
2. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT
3. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
4. THE DEVELOPER, GENERAL CONTRACTOR, GRADING CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT ON PUBLIC RIGHT-OF WAYS.
5. THE USE OF REBAR, STEEL STAKES, OR STEEL FENCE POSTS TO STAKE DOWN STRAW OR HAY BALES OR TO SUPPORT SILT FENCING USED AS AN EROSION CONTROL MEASURE IS PROHIBITED.
6. THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES IS PROHIBITED AT THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED.
7. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING, OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS.

GENERAL LEGEND

NOTE: LEGEND IS GENERAL. ALL ITEMS MAY NOT PERTAIN TO THIS PROJECT

- 00 / L1.20 — SECTION CALLOUT
- 00 / L1.20 — ELEVATION CALLOUT
- 00 / L1.20 — DETAIL KEY
- X.00 — MATERIAL KEY (REF. MATERIALS SCHEDULE)
- MATCHLINE
- A — LAYOUT BASE POINT
- 1 — LAYOUT POINT
- 00.00 — PROPOSED SPOT ELEVATION
- 00.00 — EXISTING SPOT ELEVATION
- 00 — PROPOSED CONTOUR
- 00 — EXISTING CONTOUR
- FLOW DIRECTION
- ATRIUM DRAIN (A.D.)
- CATCH BASIN (C.B.)
- DECK DRAIN (D.D.)
- CURB CUT FOR DRAINAGE
- POOL DEPTH
- 911 CALL BOX
- DRINKING FOUNTAIN
- WROUGHT IRON FENCE
- POOL FENCE
- WOOD PRIVACY FENCE
- DOG PARK FENCE
- GATE
- EXPANSION JOINT, REF. 2. L1.20
- WHEEL STOP
- AC UNIT
- T — TRANSFORMER
- RETAINING WALL
- CURB CUT
- NO CURB
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED

ABBREVIATIONS

A.D.	ATRIUM DRAIN	L.P.	LOW POINT
BLDG	BUILDING	N.I.A.	NOT IN CONTRACT
B.C.	BOTTOM OF CURB	O.C.	ON CENTER
B.O.C.	BACK OF CURB	O.C.E.W.	ON CENTER EACH WAY
B.P.	BOTTOM OF PIPE	P.A.	PLANTING AREA
B.W.	BOTTOM OF WALL	P.O.A.	POINT OF BEGINNING
C.B.	CATCH BASIN	R.O.W.	RIGHT OF WAY
C.C.	CURB CUT	SS	STAINLESS STEEL
C.L.	CENTERLINE	T.C.	TOP OF CURB
D.D.	DECK DRAIN	T.F.	TOP OF FOOTING
E.O.P.	EDGE OF PAVEMENT	T.P.	TOP OF PAVEMENT
F.H.	FIRE HYDRANT	T.W.	TOP OF WALL
F.F.	FINISH FLOOR	U.N.O.	UNLESS NOTED OTHERWISE
F.O.B.	FACE OF BUILDING	W.M.	WATER METER
H.P.	HIGH POINT	T.PL	TOP OF PLANTER

CONCRETE

KEY	QTY	DESCRIPTION	COLOR	FINISH	CONTACT	REMARKS
C.1	425 SF	HOLLAND STONE 80 MM PAVERS - 3 1/8" x 3 7/8" W x 7 13/16" L	TBD	N/A	PAVESTONE HOUSTON, 281.391.7283	REF. CIVIL FOR DETAIL; RUNNING BOND PATTERN; COLOR TBD TO MATCH ARCH.; CONTRACTOR TO PROVIDE 25 SF MOCK UP FOR APPROVAL BY OWNER'S REP. PRIOR TO INSTALLATION
C.2	225 SF	HOLLAND STONE PARKWAY SERIES 80 MM PAVERS - 3 1/8" x 3 7/8" W x 7 13/16" L	TBD	N/A	PAVESTONE HOUSTON, 281.391.7283	REF. CIVIL FOR DETAIL; RUNNING BOND PATTERN; COLOR TBD TO MATCH ARCH.; CONTRACTOR TO PROVIDE 25 SF MOCK UP FOR APPROVAL BY OWNER'S REP. PRIOR TO INSTALLATION

1

STONE

KEY	QTY	DESCRIPTION	COLOR	FINISH	CONTACT	REMARKS
S.1	5 CY	RIVER ROCK - 3-4" DIAMETER	GRAY	NATURAL	ALL-AMERICAN STONE AND TURF, COLLEGE STATION, TX 979.696.6443	@ 4" DEPTH

REGISTERED LANDSCAPE ARCHITECT — MARK F. PARTRIDGE — 2750 — STATE OF TEXAS

9/2/14

REVISIONS:

1. CHANGE TO PAVING MATERIAL (L1.00)
2. PROPOSED TREE REMOVED (L2.10)
3. PLANT LOCATIONS ALTERED (L2.10)
4. PLANT COUNTS ALTERED (L2.20)
5. NOTE ON TREE SPACING ALTERED (L2.20)
6. IRRIGATION METER RELOCATED (L1.10, L2.10, L3.10)

St. Joseph Regional Health Center ED & Trauma Center Addition Phase 2A

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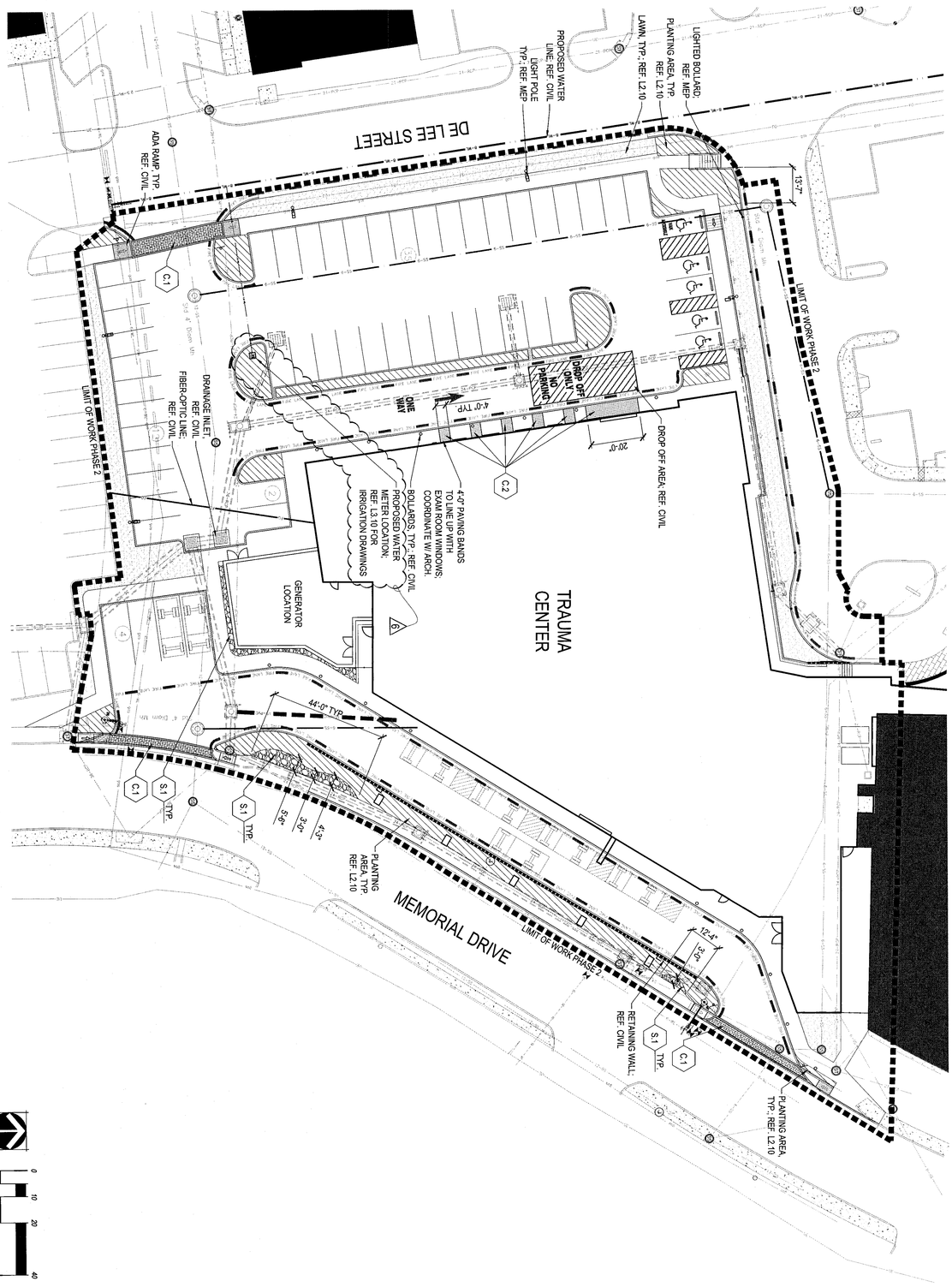
PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A
NOTES AND MATERIALS

DATE:
September 2, 2014

JOB NO.:
13161.00

SHEET:
L1.00



NORTH

SCALE 1" = 20'

0 10 20 40

REVISIONS:

1. CHANGE TO PAVING MATERIAL (L1.00)
2. PROPOSED TREE REMOVED (L2.10)
3. PLANT COUNTS ALTERED (L2.10)
4. PLANT COUNTS ALTERED (L2.20)
5. NOTE ON TREE SPACING ALTERED (L2.20)
6. HARDSCAPE LAYOUT RELOCATED (L1.10, L2.10, L3.10)

REGISTERED LANDSCAPE ARCHITECT
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SARA F. WINSLOW
2759
9/2/14

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LAS VEGAS — AUSTIN

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ED & Trauma Center Addition
Phase 2A

2801 Franciscan Dr. Bryan, TX 77802

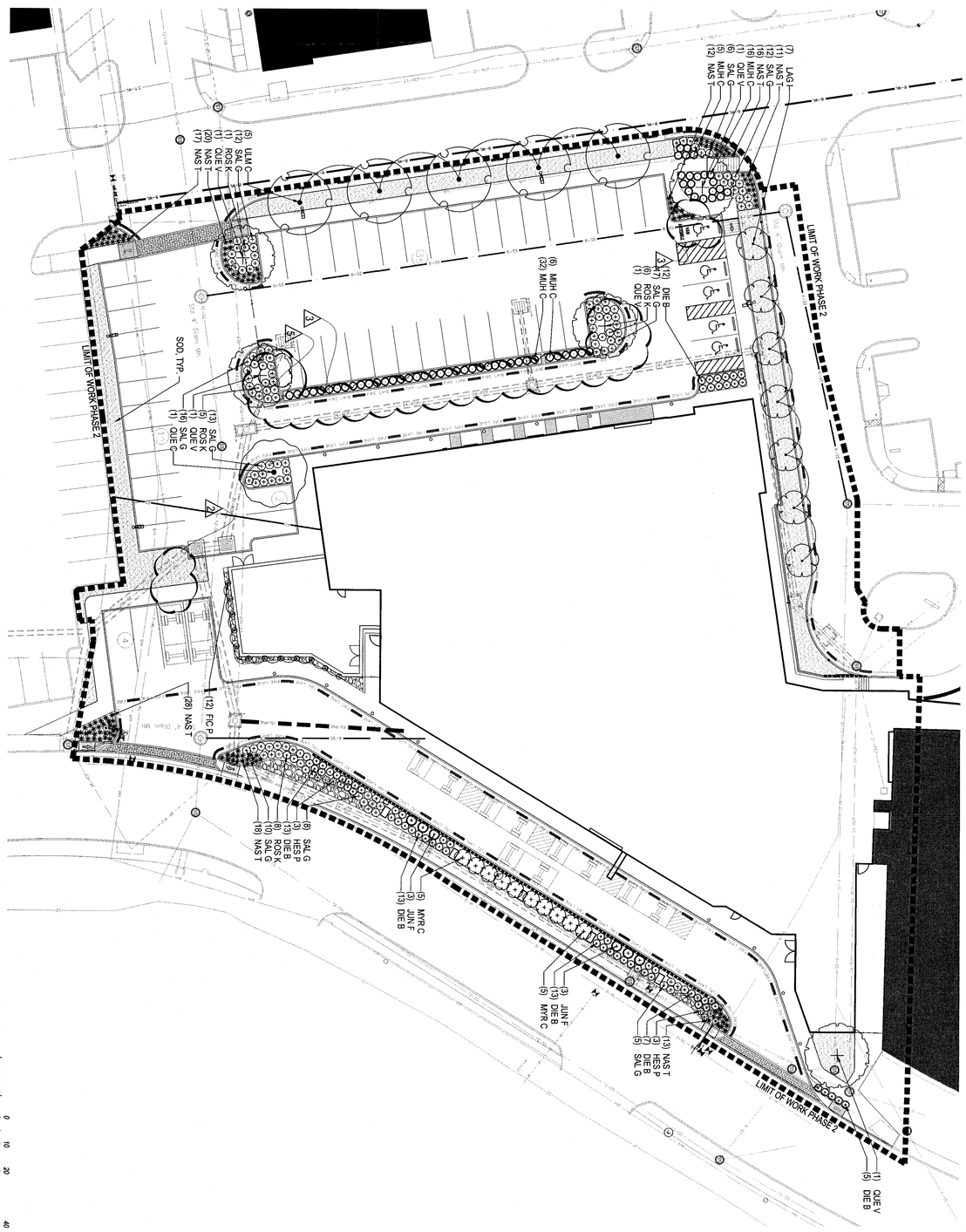
PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A
HARDSCAPE PLAN

DATE:
September 2, 2014

JOB NO.:
13161.00

SHEET:
L1.10



REVISIONS:

1. CHANGE TO PAVING MATERIAL (L1.00)
2. PROPOSED TREE REMOVED (L2.10)
3. PLANT LOCATIONS ALTERED (L2.10)
4. PLANT COUNTS ALTERED (L2.20)
5. NOTE ON TREE SPACING ALTERED (L2.20)
6. IRRIGATION METER RELOCATED (L1.10, L2.10, L3.10)

9/2/14

REGISTERED LANDSCAPE ARCHITECT
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ED & Trauma Center Addition
Phase 2A

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PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A
SOFTSCAPE PLAN

DATE:
September 2, 2014

JOB NO.:
13161.00

SHEET:
L2.10

PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	QTY
QUE C	Quercus muehlenbergii	Chinkapin Oak	95 gal	4"Cal	12'-14' H x 5'-6' SPR	1
QUE V	Quercus virginiana	Southern Live Oak	95 gal	4"Cal	12'-14' H x 5'-6' SPR	5
ULM C	Ulmus crassifolia	Cedar Elm	95 gal	4"Cal	12'-14' H x 5'-6' SPR	5

FLOWERING TREES	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	QTY
LAG I	Lagerstroemia indica `Natchez`	Natchez Crape Myrtle	45 gal	2.5"Cal	8`-9`H X 3`-4`W	7
MYR C	Myrica cerifera	Wax Myrtle	30 gal	Multi-trunk	6` H X 4` SPR	10

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	QTY
DIE B	Dietes bicolor	Bicolor Iris	3 gal	24" HT.	64
HES P	Hesperaloe parviflora	Red Yucca	3 gal	30" HT.	6
JUN F	Juniperus chinensis `Sea Green`	Sea Green Juniper	5 gal	30" HT.	7
MUH C	Muhlenbergia capillaris	Gulf Muhly	5 gal	24" HT.	59
NAS T	Nassella tenuissima	Mexican Feathergrass	1 gal	18" HT.	135
ROS K	Rosa `Knockout`	Knockout Rose	3 gal	24" HT.	20
SAL G	Salvia greggii `White`	White Autumn Sage	3 gal	24" HT.	99

VINE/ESPALIER	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	QTY
FIC P	Ficus pumila	Fig Ivy	3 gal	Staked	12

SOD/SEED	BOTANICAL NAME	COMMON NAME	CONT	QTY
CYN D	Cynodon dactylon	Bermuda Grass	sod	4,184 sf

LANDSCAPE PLANTING NOTES:

1.) CONTRACTOR SHALL RECEIVE SITE AT APPROXIMATELY FINAL GRADE WITH THE EXCEPTION OF ENTRY FEATURE AREA. LANDSCAPE CONTRACTOR SHALL FILL AREA AROUND WALLS PER TYPICAL WALL SECTION, PLAN AND LANDSCAPE GRADING NOTES WITH BACKFILL PROVIDED BY CONTRACTOR. ALL SLOPES SHALL BE SMOOTH AND UNIFORM WITH A MAXIMUM SLOPE OF 3:1 UNLESS OTHERWISE NOTED. TIE INTO EXISTING ADJACENT GRADES SMOOTHLY AND FINE GRADE FOR POSITIVE DRAINAGE AND TO PREVENT WATER FROM STANDING. CUT SWALES TO DIRECT WATER AWAY FROM ALL STRUCTURES AND PROPERTY LINES, AND TOWARDS STORM SEWER INLETS. DO NOT DRAIN ANY WATER TOWARDS LOTS/EASEMENTS. FINAL LOCATION AND HEIGHT OF BERMS TO BE APPROVED BY LANDSCAPE ARCHITECT IN FIELD.

PROVIDE MINIMUM 8" OF GRANULAR FILL WRAPPED IN FILTER FABRIC BEHIND WALLS AND TO A DEPTH BELOW WEEP HOLES TO ALLOW FOR PROPER DRAINAGE (REFERENCE TYPICAL WALL SECTION, PLANTING DETAIL SHEET).

2.) SHRUB BEDS: REFERENCE SPECIFICATIONS AND DETAILS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION, INCLUDING PLANT PIT DIMENSIONS AND BACKFILL REQUIREMENTS. SHRUBS AND GROUNDCOVER TO BE TRIANGULARLY SPACED (SPACING PER PLANS AND PLANT LIST). . REFERENCE PLANTING BED DETAIL FOR DRAINAGE REQUIREMENT OF ALL BEDS OCCURRING DIRECTLY AT THE BACK OF CURB.

BACKFILL ALL SHRUB PITS WITH SPECIFIED PLANTING MIX. INCORPORATE 5 LBS OF 13-13-13 FERTILIZER PER CU. YD. OF MIX INTO ALL PLANTING BEDS . ALL BEDS SHALL RECEIVE MIN. 4" DEEP HARDWOOD MULCH UNLESS OTHERWISE SPECIFIED ON PLANS.

3.) TREE PLANTING: REFERENCE SPECIFICATIONS AND DETAILS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION, INLUDING STAKING METHODS, PLANT PIT DIMENSIONS, AND BACKFILL REQUIREMENTS. GUY ALL TREES 4" CALIPER AND GREATER, AND STAKE ALL TREES SMALLER THAN 4" CALIPER UNLESS MACHINE MOVED. STAKE ALL MACHINE MOVED TREES WITH THREE (3) METAL T STAKES PER DETAIL.

BACKFILL ALL TREE PITS WITH SPECIFIED PLANTING MIX AND INCORPORATE 5 LBS OF 13-13-13 FERTILIZER PER CU. YD. OF MIX INTO ALL TREE PITS. ALL TREE WATER RETENTION BASINS SHALL RECEIVE MIN. 4" DEEP HARDWOOD MULCH UNLESS OTHERWISE SPECIFIED ON PLANS.

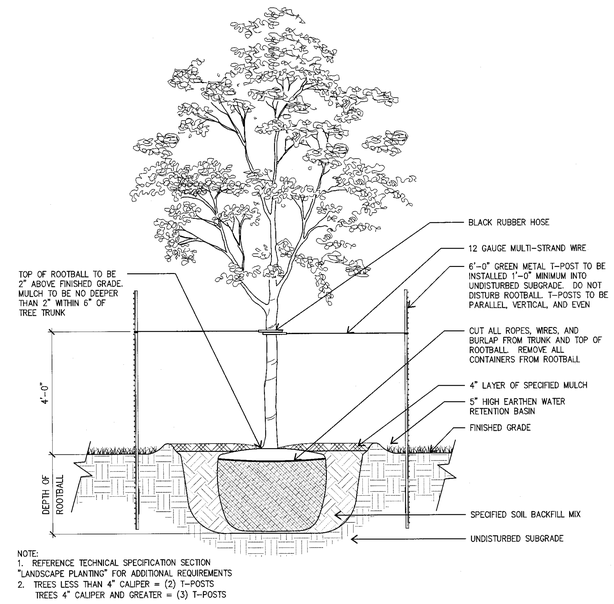
4.) MACHINE MOVE TREES: ALL TREES TO BE MACHINE MOVED DIRECTLY FROM GROWER SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO RELOCATION. COORDINATE TREE PRUNING TO BALANCE ROOT LOSS WITH LANDSCAPE ARCHITECT. TREES TO BE MECHANICALLY TRANSPLANTED USING TREE SPADE ALLOWING 9" ROOTBALL PER CALIPER INCH OF TREE.

SET TREE STRAIGHT AND PLUMB, AND FILL ANY AIR SPACES AROUND TREE WITH SPECIFIED SAND OR SANDY LOAM TOPSOIL, WATER IN TO DISPLACE AIR POCKETS. INSTALL 3" HIGH WATER RETENTION BASIN PER SPECIFICATIONS WITH 4" DEEP HARDWOOD MULCH AND WATER THE SPADED TREES THE DAY OF TRANSPLANTING.

5.) EXCEPT FOR AS SHOWN IN PARKING ISLANDS, TREES SHALL BE LOCATED MINIMUM OF 5' - 0" FROM WALLS, OVERHEADS, WALKS, EDGING, CURBS AND OTHER TREES WITHIN THE PROJECT WHEN POSSIBLE. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT MAY RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.

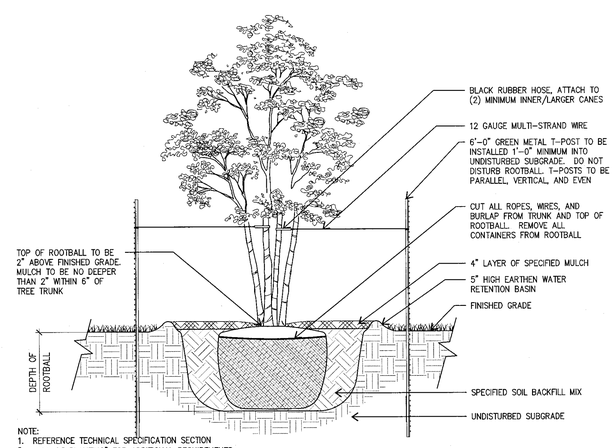
6.) ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.

7.) LAWN INSTALLATION: PRIOR TO APPLICATION OF SEEDS CONTRACTOR SHALL APPLY CONTACT HERBICIDE (RECOMMENDED MIXTURE OF IMAGE AND ROUNDUP) TO REMOVE ALL EXISTING WEEDS AS NECESSARY, SCARIFY EXISTING SOIL TO SPECIFIED DEPTHS. REMOVE ALL LUMPS, CLODS, TRASH AND STICKS GREATER THAN 1". FINE GRADE TO PROVIDE POSITIVE DRAINAGE AND SMOOTH LAWN AREAS AND CUT SWALES AS NECESSARY TO ENSURE NO PONDING OF WATER. FINISHED GRADE OF LAWN AND PLANTING BED AREAS TO BE MINIMUM 1/2" BELOW FINISHED GRADE OF ADJACENT PAVEMENT.



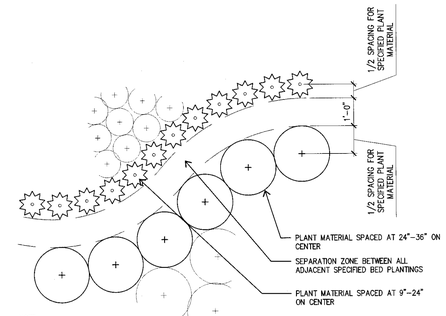
NOTE:
1. REFERENCE TECHNICAL SPECIFICATION SECTION "LANDSCAPE PLANTING" FOR ADDITIONAL REQUIREMENTS
2. TREES LESS THAN 4" CALIPER = (2) T-POSTS
   TREES 4" CALIPER AND GREATER = (3) T-POSTS

6 SHADE TREE PLANTING
SECTION 1/2"=1'-0"



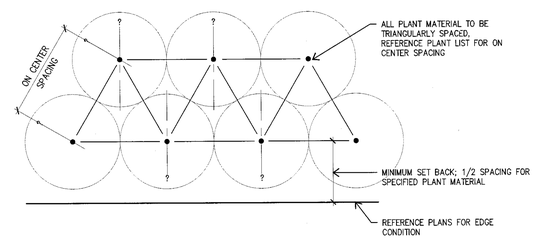
NOTE:
1. REFERENCE TECHNICAL SPECIFICATION SECTION "LANDSCAPE PLANTING" FOR ADDITIONAL REQUIREMENTS
2. TREES LESS THAN 6" HEIGHT = (2) T-POSTS
   TREES 6' HEIGHT AND GREATER = (3) T-POSTS

5 ORNAMENTAL TREE
SECTION 1/2"=1'-0"

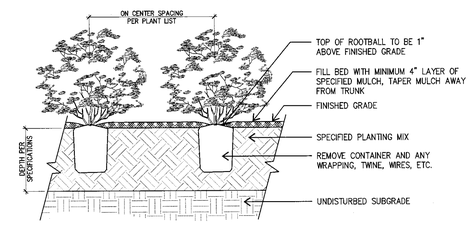


NOTE:
THIS DETAIL IS DRAWN TO SHOW THE INTENDED PLANTING LAYOUT OF ADJACENT SHRUB BEDS ALONG CURVES. CONTRACTOR TO PLANT ALL PERIMETER OF BED AREAS AS SHOWN AND THEN PLANT THE REMAINDER OF THE BED TRIANGULARLY AT THE SPECIFIED SPACING.

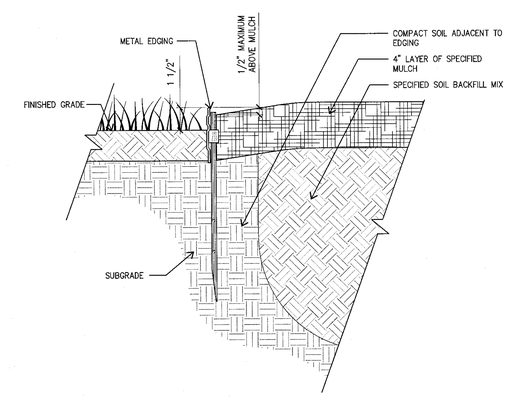
4 CURVED SHRUB BED PLANTING
PLAN 1/2"=1'-0"



3 SHRUB BED PLANTING
PLAN 1/2"=1'-0"



2 SHRUB BED PLANTING
SECTION 3/8"=1'-0"



1 SHRUB BED @ SOD
SECTION 3"=1'-0"

REGISTERED LANDSCAPE ARCHITECT
GARY F. PARTRIDGE
2750
STATE OF TEXAS
9/2/14

REVISIONS:
1. CHANGE TO PAVING MATERIAL (L1.00)
2. PROPOSED TREE REMOVED (L2.10)
3. PLANT LOCATIONS ALTERED (L2.10)
4. PLANT COUNTS ALTERED (L2.20)
5. NOTE ON TREE SPACING ALTERED (L2.20)
6. IRRIGATION METER RELOCATED (L1.10, L2.10, L3.10)

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312.559.4585

PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A
SOFTSCAPE NOTES AND DETAILS

DATE:
September 2, 2014

JOB NO.:
13161.00

SHEET:
L2.20

STATE OF TEXAS
LICENSE 658
LICENSED IRRIGATOR
07/08/2014

James Pole
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IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

LEGEND

- HUNTER PROS-06-NSI-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER TREE)
  SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH SS / ES SERIES STRIP NOZZLE UNLESS NOTED OTHERWISE.
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- NETAFIM TECHLINE CV SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH
  SEE INSTALLATION NOTE #16 REGARDING DRIP TUBE LAYOUT IN SHRUB BEDS.
- NETAFIM TECHLINE CV SERIES DRIP TUBE IN NARROW TURF AREAS INSTALLED AT 4" DEPTH
  SEE INSTALLATION NOTE #17 REGARDING DRIP TUBE LAYOUT IN TURF.
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE
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- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH "ACCU-SET" PRESSURE REGULATOR AND SAME SIZE NETAFIM DISK FILTER (120 MESH) - FOR "DRIP" ZONES. SET REGULATOR AT 30 P.S.I.
- HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
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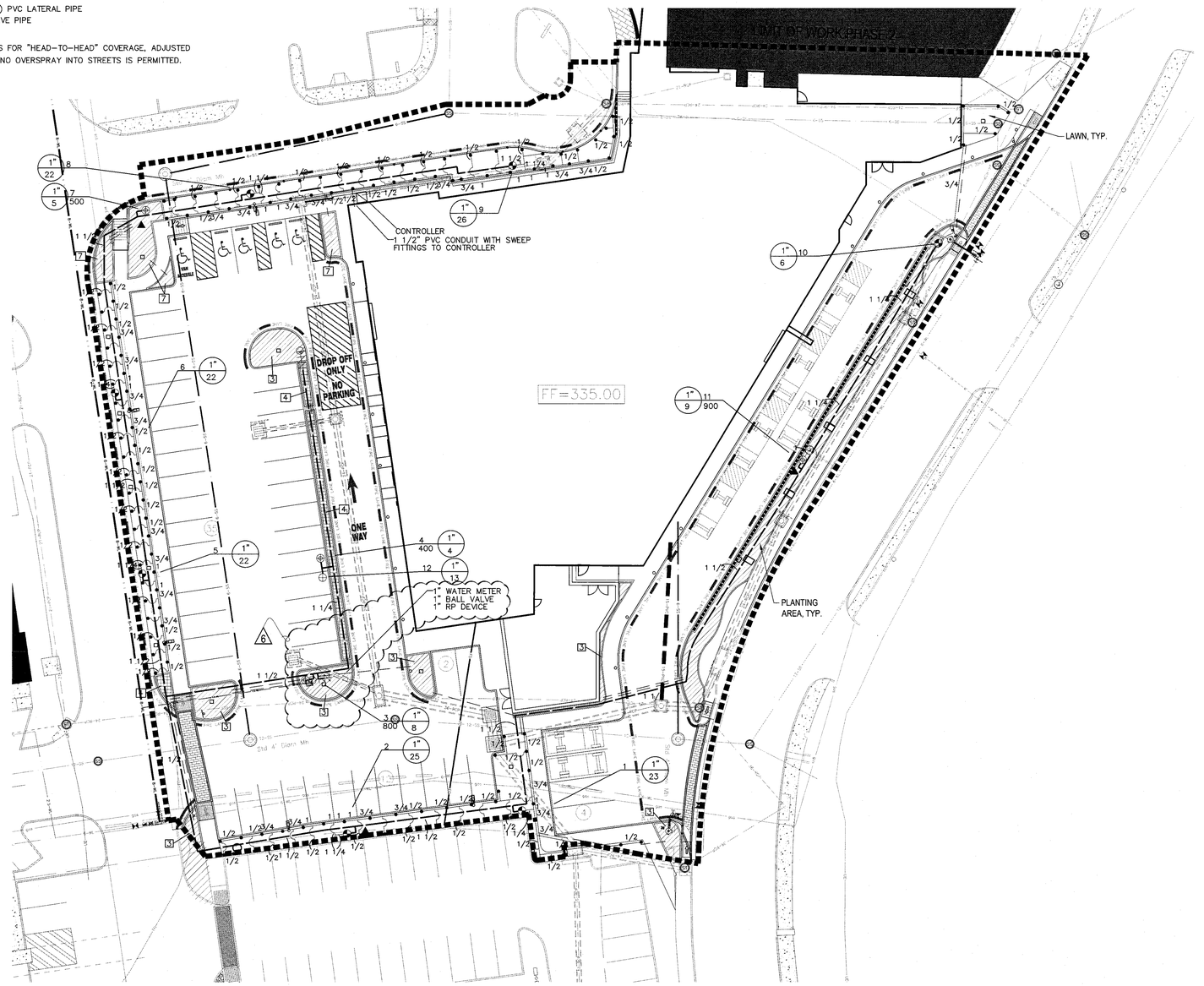
- HUNTER IC-1200-M SERIES AUTOMATIC CONTROLLER WITH WRFC WIRELESS RAIN / FREEZE SENSOR
  LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT

- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- ONE 4" AND ONE 2" CLASS 200 SLEEVE PIPE
- ONE 2" CLASS 200 SLEEVE PIPE

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.



NORTH

0 10 20 40
SCALE 1" = 20'

REGISTERED LANDSCAPE ARCHITECT
JAMES F. PARTRIDGE
2750
STATE OF TEXAS
9/2/14

REVISIONS:

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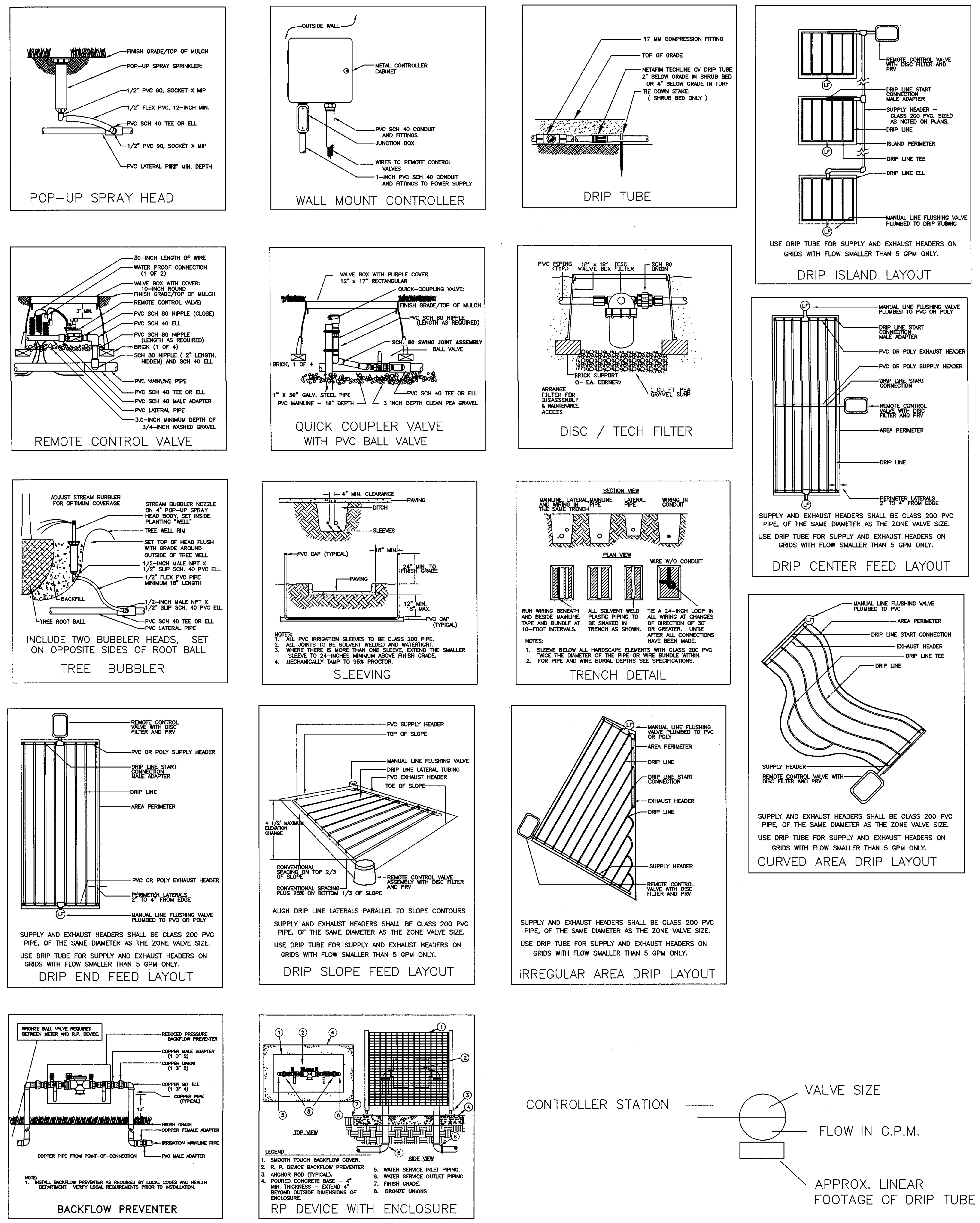
PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A IRRIGATION PLAN

DATE:
September 2, 2014

JOB NO.:
13161.00

SHEET:
L3.10



INSTALLATION NOTES

1. COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.
2. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. L.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
3. CONFIRM MINIMUM STATIC WATER PRESSURE OF 60 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
4. LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND – TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
5. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
6. ELECTRIC POWER SHALL BE PROVIDED WITHIN FIVE FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. L.I.C. TO PROVIDE FINAL HARD–WIRE TO CONTROLLER.
7. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY 3M COMPANY. ALL FIELD SPLICES SHALL BE LOCATED IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION.
8. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES, AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE.
9. USE RIGID SCH. 80 PVC SWING JOINT ASSEMBLIES TO CONNECT ALL QUICK COUPLERS.
10. ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD–ON #795 SOLVENT AND #P–70 PRIMER.
11. PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET).
12. CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
13. LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY. CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND
14. THE PROPOSED LOCATIONS OF ALL ABOVE– GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTORS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
15. ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES. (6" OR GREATER WHERE REQUIRED BY LOCAL CODE) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE THE ADDITION OF CHECK VALVES WHERE NEEDED TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR, AND INSTALL CHECK VALVES FOR UP 10 % OF THE TOTAL NUMBER OF HEADS WHEN NEEDED, WITH NO ADDITIONAL COST TO THE OWNER.
16. WHERE SHOWN ON THE PLANS, MASS SHRUB / GROUNDCOVER BEDS SHALL INCLUDE NETAFIM TECHLINE CV SERIES DRIP TUBE WITH PRE–INSTALLED .6 GPH DRIP EMITTERS AT 12" INTERVALS (TLCV6–12), INSTALLED IN CENTER–FED GRIDS WITH ROWS SPACED 18" APART. INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 L.F. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 2" BELOW FINISHED SOIL GRADE (NOT INCLUDING MULCH LAYER), SECURELY STAKED EVERY 18". NETAFIM #TL050MFV–1 FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE CV SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE. INSTALL TLCV IN–LINE CHECK VALVES FOR EVERY 4.5 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. USE NETAFIM STAPLES (#TLS6) TO SECURE TUBING EVERY 18" EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP–UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP–UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHERST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGING OR IN LOW PLANTINGS FOR EASE OF VIEWING.
17. WHERE SHOWN ON THE PLANS, SPECIFIC TURF AREAS SHALL INCLUDE NETAFIM TECHLINE CV SERIES DRIP TUBE WITH PRE–INSTALLED .6 GPH DRIP EMITTERS AT 12" INTERVALS (TLCV6–12), INSTALLED IN CENTER–FED GRIDS WITH ROWS SPACED 12" APART. INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 L.F. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 4" BELOW FINISHED SOIL GRADE. NETAFIM #TL050MF–1 FLUSH FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE CV SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE. INSTALL TLCV IN–LINE CHECK VALVES FOR EVERY 4.5 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP–UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP–UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHERST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGING OR IN LOW PLANTINGS FOR EASE OF VIEWING.

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STATE OF TEXAS – JAMES POLE – 658 – LICENSED IRRIGATOR
07/08/2014

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REGISTERED LANDSCAPE ARCHITECT – SARA F. PARTRIDGE – 2750 – STATE OF TEXAS
9/2/14

REVISIONS:

1. CHANGE TO PAVING MATERIAL (L1.00)
2. PROPOSED TREE REMOVED (L2.10)
3. PLANT LOCATIONS ALTERED (L2.10)
4. PLANT COUNTS ALTERED (L2.20)
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PROJECT:
ED & Trauma Center Addition

SHEET CONTENTS:
PHASE 2A IRRIGATION NOTES AND DETAILS

DATE: September 2, 2014
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SHEET: L3.20