

PLANS FOR THE CONSTRUCTION OF VITRUVIAN WEST 3 STREETSCAPE IMPROVEMENTS FOR VITRUVIAN PARK PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C TOWN OF ADDISON, TEXAS

TOWN PROJECT # 2022-04-C

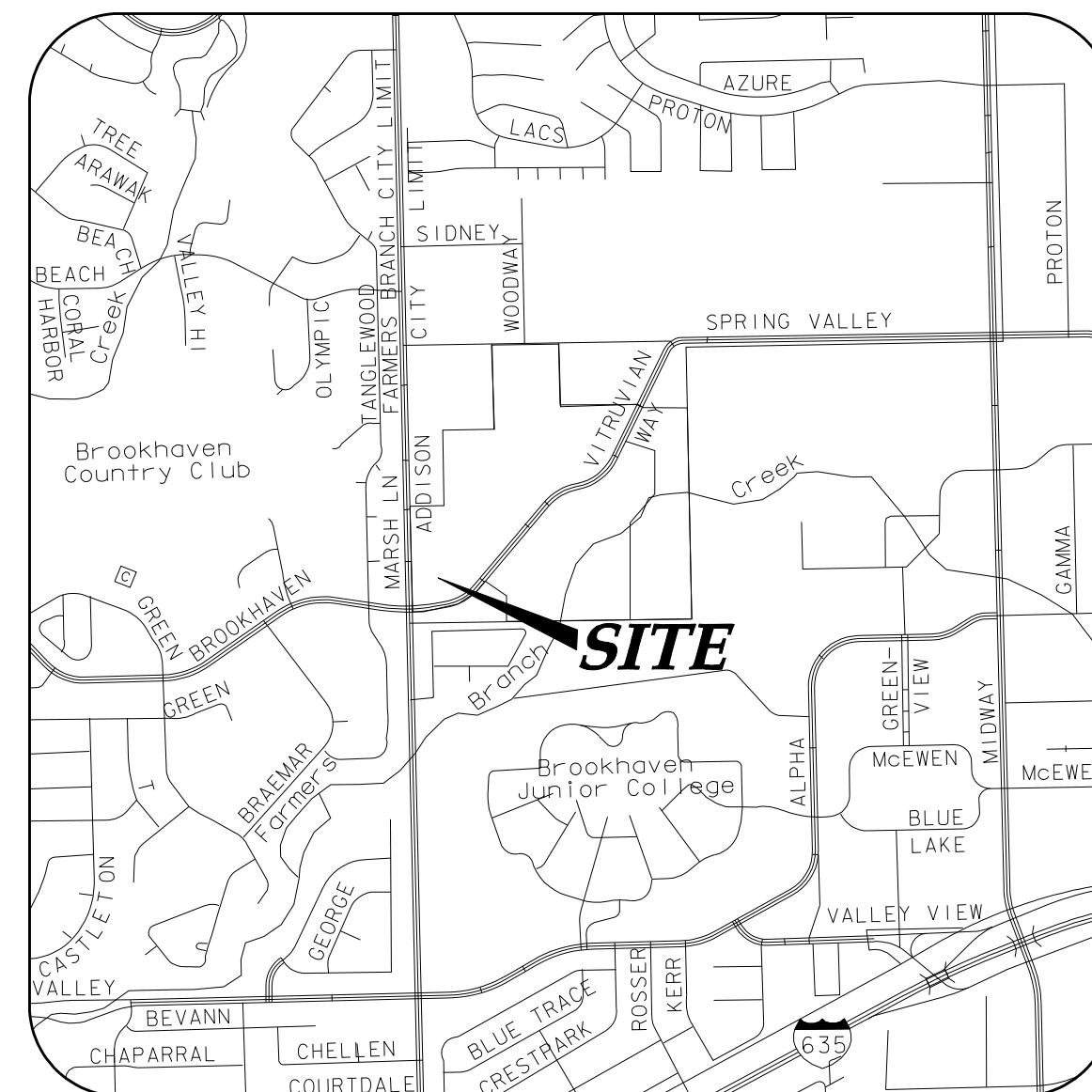
TOWN BID # 22-231

JOE CHOW
MAYOR

GUILLE尔MO QUINTANILLA
PAUL WALDEN
TOM BRAUN
LORI WARD
KATHRYN WHEELER
MARLIN WILLESEN
COUNCIL MEMBERS

WESLEY S. PIERSON
CITY MANAGER

SHANNON HICKS
DIRECTOR OF PUBLIC
WORKS & ENGINEERING



VICINITY MAP
NOT TO SCALE
(MAPSCO GRID 13 & 14)

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CIVIL ENGINEER:

ICON CONSULTING ENGINEERS, INC.
2840 W. SOUTHLAKE BLVD., SUITE 110
SOUTHLAKE, TEXAS 76092
PH: (817) 552-6210

CONTACT: BRUCE F. DUNNE, P.E.

SURVEYOR:

KADLECK & ASSOCIATES,
A DIVISION OF WESTWOOD
2740 NORTH DALLAS PKWY., SUITE 280
PLANO, TEXAS, 75093
PH: (214) 473-4640
CONTACT: LYNN KADLECK, R.P.L.S.

LANDSCAPE ARCHITECT:

STUDIO OUTSIDE
824 EXPOSITION AVE., SUITE 5
DALLAS, TEXAS, 75226
PH: (214) 954-7160

CONTACT: BRAD GOODMAN, LEED, AP

icon Consulting Engineers, Inc.
Civil Engineers- Designers- Planners
ENGINEERING FIRM REGISTRATION NUMBER F-9007

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PROJECT NO. 5029-06

TOWN PROJECT # 2022-04-C

icon Consulting Engineers, Inc. Civil Engineers - Designers - Planners
VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06

GENERAL CONSTRUCTION NOTES

1. STANDARDS AND SPECIFICATIONS: ALL MATERIALS, CONSTRUCTION METHODS, WORKMANSHIP, EQUIPMENT, SERVICES AND TESTING FOR ALL PUBLIC IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' ORDINANCES, REGULATIONS, REQUIREMENTS, STATUTES, SPECIFICATIONS AND DETAILS, LATEST PRINTING AND AMENDMENTS THERETO. THE GOVERNING AUTHORITIES' INFRASTRUCTURE AND WATER DEPARTMENT RECORDS, PLUMBING CODES, AND FIRE DEPARTMENT RECORDS SHALL TAKE PRECEDENT FOR ALL PUBLIC IMPROVEMENTS WHERE APPLICABLE. ALL OTHER PUBLIC CONSTRUCTION, NOT REGULATED BY THE GOVERNING AUTHORITY, SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS – NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, LATEST PRINTING AND AMENDMENTS THERETO, EXCEPT AS MODIFIED OR AMENDED BY THE PROJECT CONTRACT DOCUMENTS.

2. EXAMINATION OF SITE: THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INVESTIGATED AND SATISFIED HIMSELF AS TO THE CONDITIONS AFFECTING THE WORK, INCLUDING BUT NOT RESTRICTED TO THOSE BEARING UPON TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRIC POWER, ROADS AND UNCERTAINTIES OF WEATHER, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE, CONDITIONS OF THE GROUND, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING PERFORMANCE OF THE WORK. THE CONTRACTOR ACKNOWLEDGES THAT HE HAS INSPECTED THE SITE OF THE WORK AND IS FAMILIAR WITH THE SOIL CONDITIONS TO BE ENCOUNTERED. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF WITH THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY OR COST OF SUCCESSFULLY PERFORMING THE WORK. THE TOWN OF ADDISON ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR ON THE BASIS OF THE INFORMATION MADE AVAILABLE BY THE TOWN OF ADDISON.

3. SUBSURFACE INVESTIGATION: SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO DETERMINE THE NATURE OF THE MATERIAL TO BE ENCOUNTERED. SOME SUBSURFACE EXPLORATION HAS BEEN PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD ON THE PROJECT AND IS PROVIDED FOR INFORMATIONAL PURPOSES. THE TOWN OF ADDISON AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INFORMATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM RESPONSIBILITY FOR INTERPRETATION OF THAT DATA BY THE CONTRACTOR, AS IN PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.

4. TOPOGRAPHIC SURVEY: TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THE PLANS IS PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE INFORMATION SHOWN IS CORRECT, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES TO THE SURVEY INFORMATION PROVIDED. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL SURVEY SHALL BE BORNE BY THE CONTRACTOR.

5. COMPLIANCE WITH LAWS: THE CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, INCLUDING ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS CONTRACT AND THE WORK TO BE DONE THEREUNDER, WHICH EXIST OR MAY BE ENACTED LATER BY GOVERNMENTAL BODIES HAVING JURISDICTION OR AUTHORITY FOR SUCH ENACTMENT. ALL WORK REQUIRED UNDER THIS CONTRACT SHALL COMPLY WITH ALL REQUIREMENTS OF LAW, REGULATION, PERMIT OR LICENSE. IF THE CONTRACTOR FINDS THAT THERE IS A VARIANCE, HE SHALL IMMEDIATELY REPORT THIS TO THE TOWN OF ADDISON FOR RESOLUTION.

6. PUBLIC CONVENIENCE AND SAFETY: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

MATERIALS STORED ON THE WORK SITE SHALL BE SO PLACED AND THE WORK SHALL AT ALL TIMES BE SO CONDUCTED, AS TO CAUSE NO GREATER OBSTRUCTION TO THE TRAVELING PUBLIC THAN IS CONSIDERED ACCEPTABLE BY THE GOVERNING AUTHORITIES. THE MATERIALS EXCAVATED SHALL BE PLACED SO AS NOT TO ENDANGER THE WORK OR PREVENT FREE ACCESS TO ALL FIRE HYDRANTS, WATER VALVES, GAS VALVES, MANHOLES, AND FIRE ALARM OR POLICE CALL BOXES IN THE VICINITY.

THE TOWN OF ADDISON RESERVES THE RIGHT TO REMEDY ANY NEGLECT ON THE PART OF THE CONTRACTOR WITH REGARDS TO THE PUBLIC CONVENIENCE AND SAFETY WHICH MAY COME TO THE TOWN OF ADDISON'S ATTENTION, AFTER 24 HOURS NOTICE IN WRITING TO THE CONTRACTOR, SAVE IN CASES OF EMERGENCY, WHEN THE TOWN OF ADDISON SHALL HAVE THE RIGHT TO REMEDY ANY NEGLIGENCE WITHOUT NOTICE; AND, IN EITHER CASE, THE COST OF SUCH WORK DONE BY THE TOWN OF ADDISON SHALL BE DEDUCTED FROM THE MONIES DUE OR TO BECOME DUE TO THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE TOWN OF ADDISON AND THE GOVERNING AUTHORITIES WHEN ANY STREET IS TO BE CLOSED OR OBSTRUCTED; SUCH NOTICE SHALL IN THE CASE OF MAJOR THOROUGHFARES OR STREETS UPON WHICH TRANSIT BY THE GOVERNING AUTHORITIES, KEEP ANY STREET OR STREETS IN CONDITION FOR UNOBSTRUCTED USE BY EMERGENCY SERVICES. WHERE THE CONTRACTOR IS REQUIRED TO CONSTRUCT TEMPORARY BRIDGES OR TO MAKE OTHER ARRANGEMENTS FOR CROSSING OVER DITCHES OR STREAMS, HIS RESPONSIBILITY FOR ACCIDENTS SHALL INCLUDE THE ROADWAY APPROACHES AS WELL AS THE STRUCTURES OF SUCH CROSSINGS.

7. STORM WATER POLLUTION PREVENTION PLAN (SW3P): THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE SW3P WHILE CONDUCTING HIS ACTIVITIES ON THE PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SW3P INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SW3P) DURING PROJECT CONSTRUCTION.

8. PERMITS AND LICENSES: THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK AND SHALL FULLY COMPLY WITH ALL THEIR TERMS AND CONDITIONS. WHENEVER THE WORK UNDER THIS CONTRACT REQUIRES THE OBTAINING OF PERMITS FROM THE GOVERNING AUTHORITIES, THE CONTRACTOR SHALL FURNISH DUPLICATE COPIES OF SUCH PERMITS TO THE ENGINEER BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

9. BONDS: PERFORMANCE, PAYMENT AND MAINTENANCE BONDS WILL BE REQUIRED FROM THE CONTRACTOR FOR ALL WORK CONSIDERED TO BE "PUBLIC" IMPROVEMENTS. BONDS SHALL BE IN THE FORM AND IN THE AMOUNTS AS REQUIRED BY THE GOVERNING AUTHORITIES.

10. VENDOR'S CERTIFICATION: ALL MATERIALS USED IN CONSTRUCTION SHALL HAVE A VENDOR'S CERTIFIED TEST REPORT. TEST REPORTS SHALL BE DELIVERED TO THE ENGINEER BEFORE PERMISSION WILL BE GRANTED FOR USE OF THE MATERIAL. ALL VENDOR'S TEST REPORTS SHALL BE SUBJECT TO REVIEW BY THE ENGINEER, AND SHALL BE SUBJECT TO VERIFICATION BY TESTING OF SAMPLES OF MATERIALS AS RECEIVED FOR USE ON THE PROJECT. IN THE EVENT ADDITIONAL TESTS ARE REQUIRED, THEY SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY AND SHALL BE PAID FOR BY THE CONTRACTOR.

11. TESTING: THE TESTING AND CONTROL OF ALL MATERIALS USED IN THE WORK SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY, EMPLOYED AND PAID DIRECTLY BY THE TOWN OF ADDISON. IN THE EVENT THE RESULTS OF INITIAL TESTING DO NOT COMPLY WITH THE PLANS AND SPECIFICATIONS, SUBSEQUENT TESTS NECESSARY TO DETERMINE THE ACCEPTABILITY OF MATERIALS OR CONSTRUCTION SHALL BE FURNISHED AND PAID BY THE CONTRACTOR AS DIRECTED BY THE TOWN OF ADDISON. PAYMENT WILL BE MADE BY DEDUCTION FROM PAYMENT DUE THE CONTRACTOR.

12. INSPECTION: INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY AND PAID FOR BY THE TOWN OF ADDISON. THE CONTRACTOR SHALL PROVIDE ASSISTANCE BY PROVIDING EXCAVATION, TRENCH SAFETY, OR OTHER WORK NECESSARY TO FACILITATE INSPECTION ACTIVITIES, AND SHALL GIVE SUFFICIENT NOTICE WELL IN ADVANCE OF PENDING CONSTRUCTION ACTIVITIES TO THE TOWN OF ADDISON FOR SCHEDULING OF INSPECTION SERVICES.

13. SHOP DRAWINGS: THE CONTRACTOR SHALL PROVIDE, REVIEW, APPROVE AND SUBMIT ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLES REQUIRED BY THE GOVERNING AUTHORITIES AND THE PROJECT CONTRACT DOCUMENTS IN ACCORDANCE WITH ITEM 1.28 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS – NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS.

14. SURVEYING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PREFORM ALL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.

15. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

16. EXISTING STRUCTURES: THE PLANS SHOW THE LOCATION OF ALL KNOWN SURFACE AND SUBSURFACE STRUCTURES, HOWEVER, THE TOWN OF ADDISON AND ENGINEER ASSUME NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL OF THESE STRUCTURES ON THE PLANS, OR TO SHOW THEM IN THEIR EXACT LOCATION. SUCH FAILURE SHALL NOT BE CONSIDERED SUFFICIENT BASIS FOR CLAIMS FOR ADDITIONAL COMPENSATION FOR EXTRA WORK OR FOR INCREASING THE PAY QUANTITIES IN ANY MANNER WHATSOEVER, UNLESS THE OBSTRUCTION ENCOUNTERED IS SUCH AS TO REQUIRE CHANGES IN THE LINES OR GRADES, OR REQUIRE THE CONSTRUCTION OF SPECIAL WORK, FOR WHICH PROVISIONS ARE NOT MADE IN THE PLANS.

17. PROTECTION OF EXISTING UTILITIES: AS REQUIRED BY "THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT", TEXAS ONE CALL SYSTEM (800-248-4545) MUST BE CONTACTED AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS BEING PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST RECORDS AND/OR FIELD INFORMATION AVAILABLE AND ARE NOT GUARANTEED BY THE TOWN OF ADDISON OR ENGINEER TO BE ACCURATE AS TO LOCATION AND DEPTH. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF HIS ACTIVITIES IN ORDER THAT HE MAY NEGOTIATE SUCH LOCAL ADJUSTMENTS AS NECESSARY IN THE CONSTRUCTION PROCESS TO PROVIDE ADEQUATE CLEARANCES.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL EXISTING UTILITIES, SERVICES AND STRUCTURES ENCOUNTERED, WHETHER OR NOT THEY ARE INDICATED ON THE PLANS. ANY DAMAGE TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT HIS EXPENSE. TO AVOID UNNECESSARY INTERFERENCE OR DELAYS, THE CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVALS, REPLACEMENTS AND CONSTRUCTIONS WITH THE APPROPRIATE GOVERNING AUTHORITIES, THEN OBTAIN WRITTEN AUTHORIZATION FROM THE ENGINEER. THE TOWN OF ADDISON WILL NOT BE LIABLE FOR DAMAGES DUE TO DELAY AS A RESULT OF THE ABOVE.

18. DAMAGE TO EXISTING FACILITIES: ALL UTILITIES, PAVEMENT, SIDEWALKS, WALLS, FENCES, ETC. NOT DESIGNATED TO BE REMOVED BUT THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO A CONDITION AS GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING THE WORK, SOLELY AT THE EXPENSE OF THE CONTRACTOR.

19. FIRE AND LIFE SAFETY SYSTEMS: CONTRACTOR SHALL NOT REMOVE, DISABLE OR DISRUPT EXISTING FIRE OR LIFE SAFETY SYSTEMS WITHOUT WRITTEN PERMISSION FROM THE GOVERNING AUTHORITY.

20. TRENCH SAFETY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND MAINTAIN A VIABLE TRENCH SAFETY SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS DIRECTED TO BECOME KNOWLEDGEABLE AND FAMILIAR WITH THE STANDARDS AS SET BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE STATE OF TEXAS LAW CONCERNING TRENCHING AND SHORING. THE CONTRACTOR SHALL PROVIDE TRENCH SAFETY SYSTEM PLANS, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF TEXAS, FOR THE IMPLEMENTATION OF SAFETY CONTROL MEASURES, MEETING THE REQUIREMENTS OF THE GOVERNING AUTHORITIES, THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.

21. SAFETY RESTRICTIONS – WORK NEAR HIGH VOLTAGE LINES: THE FOLLOWING PROCEDURES WILL BE FOLLOWED REGARDING THE SUBJECT ITEM ON THIS CONTRACT:

A. A WARNING SIGN NOT LESS THAN FIVE INCHES BY SEVEN INCHES PAINTED YELLOW WITH BLACK LETTERS THAT ARE LEGIBLE AT 12 FEET SHALL BE PLACED INSIDE AND OUTSIDE VEHICLES SUCH AS CRANES, DERRICKS, POWER SHOVELS, DRILLING RIGS, PILE DRIVER, HOISTING EQUIPMENT OR SIMILAR APPARATUS. THE WARNING SIGN SHALL READ AS FOLLOWS: "WARNING – UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN SIX FEET OF HIGH VOLTAGE LINES."

B. EQUIPMENT THAT MAY BE OPERATED WITHIN TEN FEET OF HIGH VOLTAGE LINES SHALL HAVE AN INSULATING CAGE-TYPE OF GUARD ABOUT THE BOOM OR ARM, EXCEPT BACKHOES OR DIPPERS, AND INSULATOR LINKS ON THE LIFT HOOK CONNECTIONS.

C. WHEN NECESSARY TO WORK WITHIN SIX FEET OF HIGH VOLTAGE ELECTRIC LINES, NOTIFY THE POWER COMPANY WHO WILL ERECT TEMPORARY MECHANICAL BARRIERS, DE-ENERGIZE THE LINE OR RAISE OR LOWER THE LINE. THE WORK DONE BY THE POWER COMPANY SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE NOTIFYING DEPARTMENT SHALL MAINTAIN AN ACCURATE LOG OF ALL SUCH CALLS TO THE POWER COMPANY AND SHALL RECORD ACTION TAKEN IN EACH CASE.

D. THE CONTRACTOR IS REQUIRED TO MAKE ARRANGEMENTS WITH THE POWER COMPANY FOR THE TEMPORARY RELOCATION OR RAISING OF HIGH VOLTAGE LINES AT THE CONTRACTOR'S SOLE COST AND EXPENSE.

E. NO PERSON SHALL WORK WITHIN SIX FEET OF A HIGH VOLTAGE LINE WITHOUT PROTECTION HAVING BEEN TAKEN AS OUTLINED IN PARAGRAPH C. ABOVE.

22. TRAFFIC CONTROL: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AND SUBMIT FOR APPROVAL BY THE GOVERNING AUTHORITIES, A TRAFFIC CONTROL PLAN, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS, OUTLINING TRAFFIC MANAGEMENT PROCEDURES TO BE PROVIDED DURING CONSTRUCTION. TRAFFIC CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

A. CONSTRUCTION SIGNING AND BARRICADES SHALL CONFORM WITH THE "2003 TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6", AS CURRENTLY AMENDED, TEXAS DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION.

B. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH BARRICADES, FLARES, FLAGMEN, ETC., FOR THE PROTECTION OF THE PUBLIC, EMPLOYEES AND THE WORK.

C. THE CONTRACTOR SHALL PERFORM HIS WORK IN SUCH A MANNER AS TO CREATE A MINIMUM OF INTERRUPTION TO ALL TRAFFIC ALONG ADJACENT ROADWAYS INCLUDING PEDESTRIAN. TWO WAY TRAFFIC MUST BE MAINTAINED ON ALL ROADWAYS AT ALL TIMES THROUGHOUT CONSTRUCTION UNLESS WRITTEN PERMISSION IS GRANTED BY THE GOVERNING AUTHORITIES.

D. ALL SIGNAGE, MARKINGS, LIGHTING, BARRICADES, FLAGMEN AND OTHER DEVICES AND PERSONNEL REQUIRED FOR TRAFFIC CONTROL DURING CONSTRUCTION OF THE PROJECT WILL BE INCLUDED IN THE CONTRACT AMOUNT.

E. ALL TRAFFIC CONTROL DEVICES USED DURING NIGHTTIME SHALL BE REFLECTORIZED, ILLUMINATED FROM WITHIN OR EXTERNALLY ILLUMINATED.

F. THE CONTRACTOR SHALL NOT REMOVE ANY REGULATORY SIGN, INSTRUCTIONAL SIGN, WARNING SIGN, STREET NAME SIGN OR ANY SIGNAL, WHICH CURRENTLY EXISTS, WITHOUT THE CONSENT OF THE GOVERNING AUTHORITIES.

G. THE CONTRACTOR SHALL MAINTAIN AND REPLACE WHERE NECESSARY ALL SIGNS, LIGHTS, MARKINGS AND TEMPORARY PAVEMENT THROUGHOUT THE CONSTRUCTION PERIOD.

H. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL MEASURES AT THE END OF CONSTRUCTION AND RESTORE UNIMPROVED PAVEMENT AND OTHER DISTURBED AREAS TO THEIR ORIGINAL CONDITION.

23. ACCESS TO ADJACENT PROPERTIES: ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE GOVERNING AUTHORITIES. THIS INCLUDES VEHICULAR AND PEDESTRIAN ACCESS.

24. ACCESS ROUTES, STAGING AREAS AND STORAGE AREAS: ALL PRIVATE HALL ROADS AND ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE TOWN OF ADDISON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL ROADS AND OTHER FACILITIES USED DURING CONSTRUCTION. UPON COMPLETION OF THE PROJECT, ALL HALL ROADS, ACCESS ROADS, STAGING AREAS AND STORAGE AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT AT THE TIME THE CONTRACTOR COMMENCES WORK ON THE PROJECT.

25. PARKING OF CONSTRUCTION EQUIPMENT: AT NIGHT AND DURING ALL OTHER PERIODS OF TIME WHEN EQUIPMENT IS NOT BEING ACTIVELY USED FOR THE CONSTRUCTION WORK, THE CONTRACTOR SHALL PARK THE EQUIPMENT AT LOCATIONS, WHICH ARE APPROVED BY THE TOWN OF ADDISON. DURING THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL COMPLY WITH THE PRESENT ZONING REQUIREMENTS OF THE GOVERNING AUTHORITIES IN THE USE OF VACANT PROPERTY FOR STORAGE PURPOSES. THE CONTRACTOR SHALL ALSO PROVIDE ADEQUATE BARRICADES, MARKERS AND LIGHTS TO PROTECT THE TOWN OF ADDISON, THE GOVERNING AUTHORITIES, THE PUBLIC AND THE OTHER WORK. ALL BARRICADES, LIGHTS, AND MARKERS MUST MEET THE REQUIREMENTS OF THE GOVERNING AUTHORITIES' REGULATIONS.

26. WATER FOR CONSTRUCTION: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR PURCHASING WATER FROM THE GOVERNING AUTHORITY FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THIS SERVICE SHALL BE INCLUDED IN THE CONTRACT AMOUNT. LANDSCAPE SHALL NOT BE INSTALLED UNTIL THE AUTOMATIC IRRIGATION SYSTEM IS FULLY OPERATIONAL.

27. TEMPORARY ELECTRIC AND COMMUNICATIONS FOR CONSTRUCTION: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR INSTALLATION AND PURCHASING OF TEMPORARY ELECTRIC AND COMMUNICATIONS SERVICES FROM THE GOVERNING AUTHORITIES FOR HIS USE ON THE PROJECT SITE. COSTS ASSOCIATED WITH THESE SERVICES SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

28. FENCES: ALL FENCES ENCOUNTERED AND REMOVED DURING CONSTRUCTION, EXCEPT THOSE DESIGNATED TO BE REMOVED OR RELOCATED, SHALL BE RESTORED TO THE ORIGINAL OR BETTER THAN CONDITION UPON COMPLETION OF THE PROJECT. WHERE WIRE FENCING, EITHER WIRE MESH OR BARBED WIRE, IS TO BE CROSSED, THE CONTRACTOR SHALL SET CROSS-BRACED POSTS ON EITHER SIDE OF THE CROSSING. TEMPORARY FENCING SHALL BE ERECTED IN PLACE OF THE FENCING REMOVED WHENEVER THE WORK IS NOT IN PROGRESS, AND WHEN THE SITE IS VACATED OVERNIGHT AND/OR AT ALL TIMES TO PREVENT PERSONS AND/OR LIVESTOCK FROM ENTERING THE CONSTRUCTION AREA. THE COST OF FENCE REMOVAL, TEMPORARY CLOSURES AND REPLACEMENT SHALL BE INCLUDED IN THE CONTRACT.

29. DRAINAGE CHANNELS: WHERE EXISTING DRAINAGE CHANNELS ARE TEMPORARILY DISTURBED OR BLOCKED DURING CONSTRUCTION, A SUITABLE BYPASS SHALL BE PROVIDED AND THE ORIGINAL CHANNEL RESTORED TO THE ORIGINAL CONDITION, GRADE AND CROSS SECTION AFTER CONSTRUCTION IS COMPLETED.

30. COORDINATION WITH OTHERS: IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THE PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.

31. CONDITION OF SITE DURING CONSTRUCTION: DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE. IF, IN THE OPINION OF THE TOWN OF ADDISON, SUCH MATERIAL, DEBRIS OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE, IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR UNDER HIS CONTRACT, OR WHERE SUFFICIENT CONTRACT FUNDS ARE UNAVAILABLE FOR THIS PURPOSE, THE CONTRACTOR OR HIS SURETY SHALL REIMBURSE THE TOWN OF ADDISON FOR ALL SUCH COSTS.

32. EXISTING ROADWAYS & MEDIANS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CLEANLINESS OF EXISTING PAVED ROADS. ALL COSTS ASSOCIATED WITH MAINTAINING THE CLEANLINESS OF EXISTING ROADS SHALL BE INCLUDED IN THE CONTRACT AMOUNT. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO MEDIANS/MEDIAN LANDSCAPING FROM DELIVERY VEHICLES, UTILITY EXCAVATIONS, ETC.

33. DUST CONTROL: THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO CONTROL DUST ON THE PROJECT SITE BY SPRINKLING OF WATER, OR ANY OTHER METHODS APPROVED BY THE GOVERNING AUTHORITIES, AND SHALL PROVIDE ALL EQUIPMENT AND PERSONNEL REQUIRED TO PREVENT DUST FROM BECOMING A NUISANCE TO THE ADJACENT PROPERTIES.

34. CLEAN-UP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE TOWN OF ADDISON. THIS CLEAN UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF THE WORK IN AN ORDERLY MANNER OF APPEARANCE.

35. REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK: ALL WORK WHICH HAS BEEN REJECTED OR CONDEMNED SHALL BE REPAIRED, OR IF IT CANNOT BE REPAIRED SATISFACTORILY, IT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. DEFECTIVE MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE. WORK DONE BEYOND THE LINE OR NOT IN CONFORMITY WITH THE GRADES SHOWN ON THE DRAWINGS OR AS PROVIDED, WORK DONE WITHOUT REQUIRED INSPECTION, OR ANY EXTRA OR UNCLASSIFIED WORK DONE WITHOUT WRITTEN AUTHORITY AND PRIOR AGREEMENT IN WRITING AS TO PRICES, SHALL BE AT THE CONTRACTOR'S RISK, AND WILL BE CONSIDERED UNAUTHORIZED, AND AT THE OPTION OF THE TOWN OF ADDISON MAY NOT BE MEASURED AND PAID FOR AND MAY BE ORDERED REMOVED AT THE CONTRACTOR'S EXPENSE. UPON FAILURE OF THE CONTRACTOR TO REPAIR SATISFACTORILY OR TO REMOVE AND REPLACE, IF SO DIRECTED, REJECTED, UNAUTHORIZED OR CONDEMNED WORK OR MATERIALS IMMEDIATELY AFTER RECEIVING NOTICE FROM THE TOWN OF ADDISON, THE TOWN OF ADDISON WILL, AFTER GIVING WRITTEN NOTICE TO THE CONTRACTOR, HAVE THE AUTHORITY TO CAUSE DEFECTIVE WORK TO BE REMOVED OR REMOVED AND REPLACED, OR TO CAUSE UNAUTHORIZED WORK TO BE REMOVED AND TO DEDUCT THE COST THEREOF FROM ANY MONIES DUE OR TO BECOME DUE TO THE CONTRACTOR.

36. DISPOSITION AND DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO EXCESS MATERIAL AND UNSUITABLE MATERIALS SUCH AS LARGE ROCKS, REFUSE, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.

37. SODDING: THE CONTRACTOR SHALL PROVIDE SODDING, WATERING, FERTILIZING AND REQUIRED MAINTENANCE FOR THE GRASSING OF ALL UNPAVED AREAS OF DEDICATED RIGHT-OF-WAY, EASEMENTS, AND ALL OTHER DISTURBED AREAS OF CONSTRUCTION FOR THE PROJECT. SODDING SHALL ALSO BE PROVIDED IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN IN ORDER TO ESTABLISH A GRASS COVER ON DISTURBED AREAS SUBJECTED TO THE EROSION OF THE SOIL SURFACE.

38. RECORD DRAWINGS: THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY THE PROJECT CONTRACT DOCUMENTS. THESE RECORD PRINTS WILL BE REVIEWED BY THE ENGINEER EACH MONTH PRIOR TO THE PRELIMINARY REVIEW OF CONTRACTOR'S REQUEST FOR PAYMENT. IF THE DRAWINGS ARE NOT COMPLETE, ACCURATE AND UP-TO-DATE, THE ENGINEER WILL NOT ACCEPT THE PAYMENT REQUEST. THE COMPLETED SET OF "RECORD" DRAWINGS MUST BE DELIVERED TO THE ENGINEER BEFORE REQUESTING FINAL PAYMENT.

39. PEDESTRIAN ACCESS: THE CONTRACTOR SHALL PLACE SIGNS INFORMING PEDESTRIANS OF SIDEWALK CLOSURES WITHIN THE CONSTRUCTION LIMITS. SIGNS ALONG MARSH LANE SHALL BE PLACED AT VITRUVIAN WAY, JUST NORTH OF WESTGATE LANE AND AT SPRING VALLEY ROAD. IN ADDITION TO SIDEWALK CLOSURE, THE MARSH LANE SIGNS SHALL INCLUDE VITRUVIAN WAY AS AN ALTERNATE ROUTE.

ABBREVIATIONS

APPROX	APPROXIMATELY	G	GAS	R	RADIUS
ASPH	ASPHALT	GI	GRATE INLET	RGB	REINFORCED CONCRETE BOX
BC	BACK OF CURB	GM	GAS METER	RCI	RECESSED CURB INLET
B-B	BACK TO BACK OF CURB	HDPE	HIGH DENSITY POLYETHYLENE PIPE	RCP	REINFORCED CONCRETE PIPE
BM	BENCHMARK	HDWL	HEADWALL	RCCP	REINFORCED CONCRETE CYLINDRICAL PIPE
BW	BOTTOM OF WALL	HMAC	HOT MIX ASPHALTIC CONCRETE	REC	RECESSED
CATV	CABLE TV	HORIZ	HORIZONTAL	REINF	REINFORCED
CFS	CUBIC FEET PER SECOND	HP	HIGH POINT	RL	RIDGE LINE
CI	CURB INLET	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	ROW	RIGHT OF WAY
CMP	CORRUGATED METAL PIPE	IRR	IRRIGATION	RT	RIGHT
CO	CLEANOUT	JB	JUNCTION BOX	SF	SQUARE FEET
CONC	CONCRETE	JT	JOINT	SD	STORM DRAIN
CONST	CONSTRUCT	LF	LINEAR FEET	SO	SQUARE
DCO	DOUBLE CLEANOUT	LP	LOW POINT	SS	SANITARY SEWER
DIA	DIAMETER	LT	LEFT	STA	STATION
DIP	DUCTILE IRON PIPE	MH	MANHOLE	SY	SQUARE YARD
DL	DOMESTIC WATER	N/A	NOT APPLICABLE	T	TELEPHONE
EL	ELEVATION	NG	NATURAL GROUND (EXISTING)	TC	TOP OF CURB
EMH	ELECTRIC MANHOLE	PC	POINT OF CURVATURE	TDCUT	TOP OF DUCT
EP	EDGE OF PAVEMENT	PCC	POINT OF COMPOUND CURVATURE	TG	TOP OF GROUND
EX	EXISTING	PI	POINT OF INTERSECTION	TMH	TELEPHONE MANHOLE
FC	FACE OF CURB	PIV	POST INDICATOR VALVE	TOS	TOP OF BANK
F-F	FACE TO FACE OF CURB	PL	PROPERTY LINE	TOS	TOE OF SLOPE
FFE	FINISHED FLOOR ELEVATION	PP	POWER POLE	TP	TOP OF PAVEMENT
FH	FIRE HYDRANT	PRC	POINT OF REVERSE CURVATURE	TIPIPE	TOP OF PIPE
FM	FORCE MAIN	PR	PROPOSED	TW	TOP OF WALL
FO	FIBER OPTICS	PT	POINT OF TANGENCY	TY	TYPICAL
FP	FINISHED PAD	PVC	POLYVINYL CHLORIDE PIPE	UGE	UNDERGROUND ELECTRIC
FPS	FEET PER SECOND	PWMT	PAVEMENT	VCP	VITRIFIED CLAY PIPE
FL	FLOW LINE	OCEW	ON CENTER EACH WAY	W	WATER
FUT	FUTURE	OHE	OVERHEAD ELECTRIC	WV	WATER VALVE
FW	FIRE WATER				

LEGEND

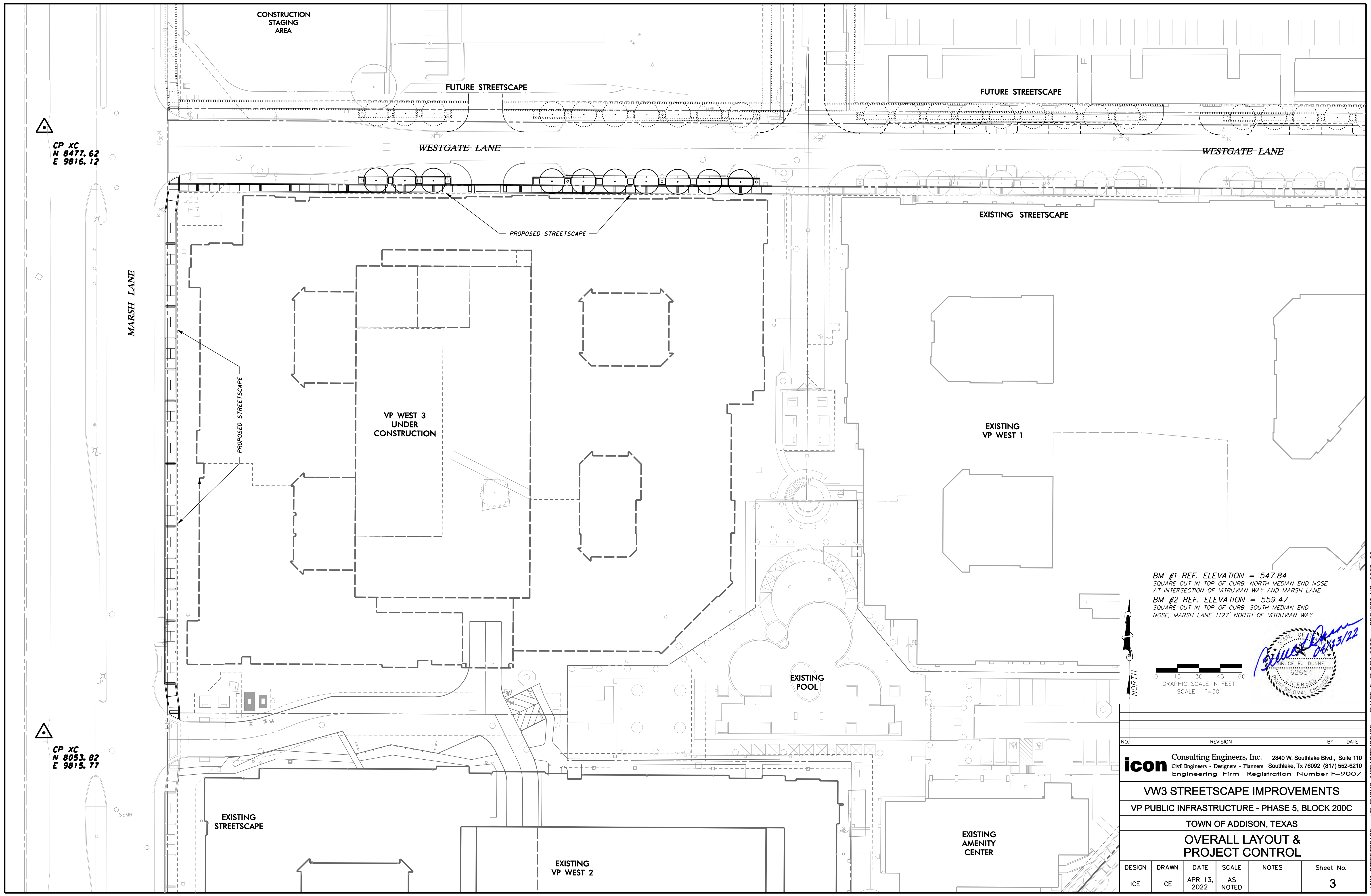
	EXISTING	PROPOSED	FUTURE		EXISTING	PROPOSED	FUTURE		EXISTING	PROPOSED	FUTURE
PROPERTY LINE			N/A	SANITARY SEWER LINE	8"SS	8"SS	8"SS	ELECTRIC TRANSFORMER	⊠	⊠	N/A
BUILDING				SANITARY SEWER MANHOLE	SSMH	●	○	GAS METER	⊞	⊞	N/A
FINISH FLOOR ELEVATION	FFE=650.00	FFE=650.00	N/A	CLEANOUT	CO	●	○	GAS LINE	G	G	N/A
SPOT ELEVATION	650.50	650.50	N/A	LIGHT POLE	☆	☆	N/A	AIR CONDITIONING UNIT	⊞	⊞	N/A
CURB				POWER POLE	⊙	⊙	N/A				
ASPHALT PAVEMENT			N/A	DOWN GUY	⊙	⊙	N/A				
RIDGE LINE	N/A	RL	N/A	SIGN	⊙	⊙	N/A				
SWALE OR VALLEY GUTTER			N/A	ACCESSIBLE PARKING	♿	♿	N/A				
CONTOUR LINE	675	675	674	RETAINING WALL			N/A				
STORM DRAIN	21"SD	21"SD		WOOD FENCE			N/A				
STORM DRAIN MANHOLE				SCREEN WALL FENCE			N/A				
CURB INLET				CHAIN LINK FENCE			N/A				
RECESSED CURB INLET				WIRE FENCE	×	×	N/A				
GRATE INLET			N/A	TREE	⊙	N/A	N/A				
WATER LINE	8"W	8"W	8"W	OVERHEAD WRES	OHW	N/A	N/A				
FIRE HYDRANT			N/A	OVERHEAD ELECTRIC LINE	OHE	OHE	N/A				
WATER VALVE			N/A	OVERHEAD TELEPHONE LINE	OHT	OHT	N/A				
WATER METER BOX			N/A	UNDERGROUND ELECTRIC LINE	UGE	UGE	N/A				
IRRIGATION METER	N/A	⊠	N/A	UNDERGROUND TELEPHONE LINE	UGT	UGT	N/A				
				UNDERGROUND CABLE LINE	CATV	CATV	N/A				
				ELECTRIC METER	EM	EM	N/A				



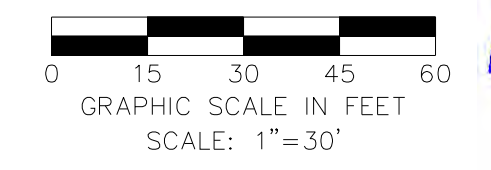
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VV3 STREETSCAPE IMPROVEMENTS VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C TOWN OF ADDISON, TEXAS



BM #1 REF. ELEVATION = 547.84
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE,
 AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.
 BM #2 REF. ELEVATION = 559.47
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END
 NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



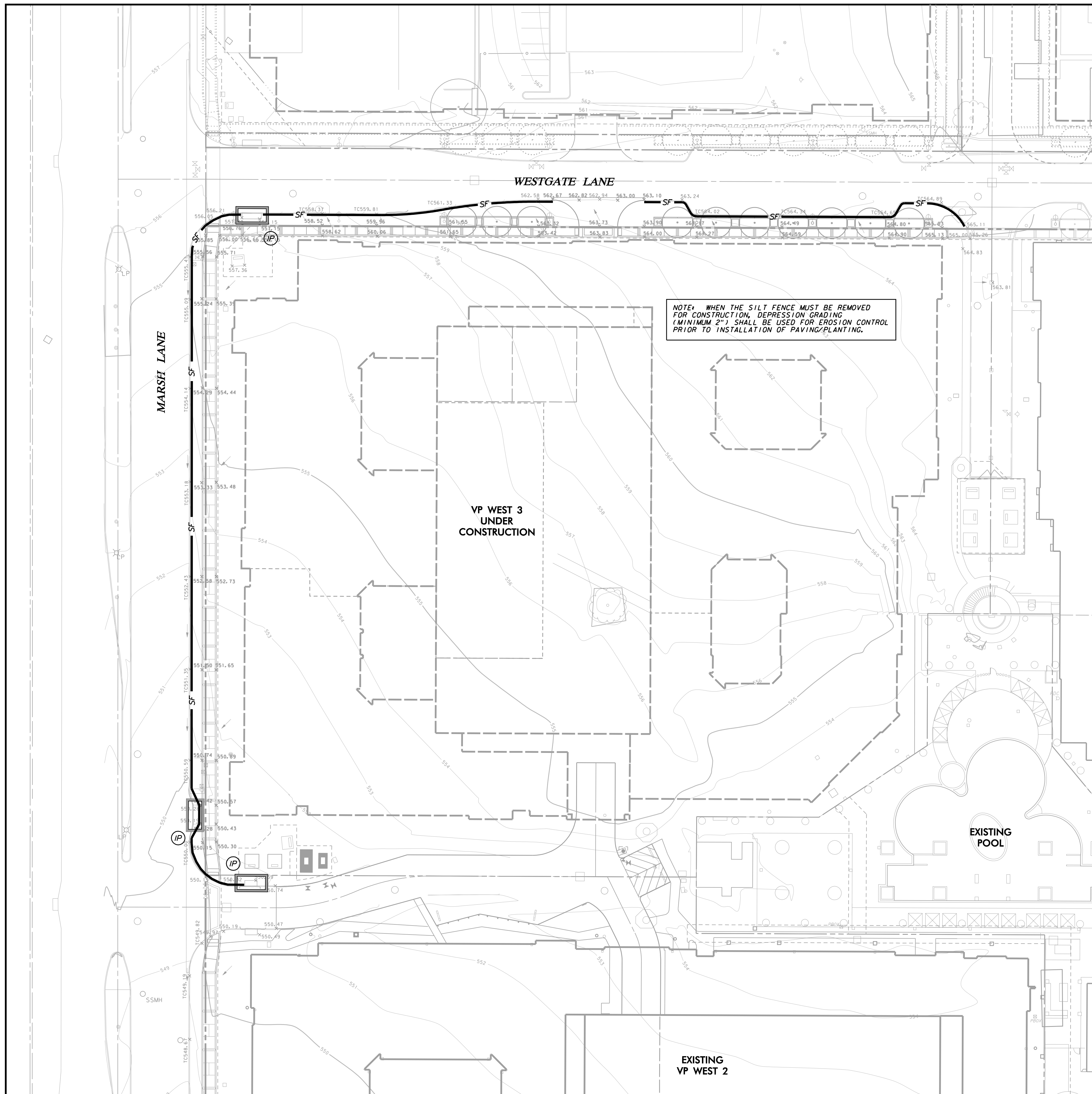
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VW3 STREETScape IMPROVEMENTS
 VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
 TOWN OF ADDISON, TEXAS
OVERALL LAYOUT & PROJECT CONTROL

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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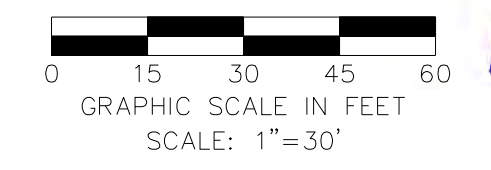
VW3 STREETScape - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



NOTE: WHEN THE SILT FENCE MUST BE REMOVED FOR CONSTRUCTION, DEPRESSION GRADING (MINIMUM 2") SHALL BE USED FOR EROSION CONTROL PRIOR TO INSTALLATION OF PAVING/PLANTING.

NOTE: THIS AREA IS HIGHLY SENSITIVE TO EROSION AND ALL REQUIRED PRECAUTIONS, SHOWN OR NOT SHOWN, MUST BE STRICTLY ADHERED TO AND MAINTAINED AT ALL TIMES

BM #1 REF. ELEVATION = 547.84
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.
 BM #2 REF. ELEVATION = 559.47
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.



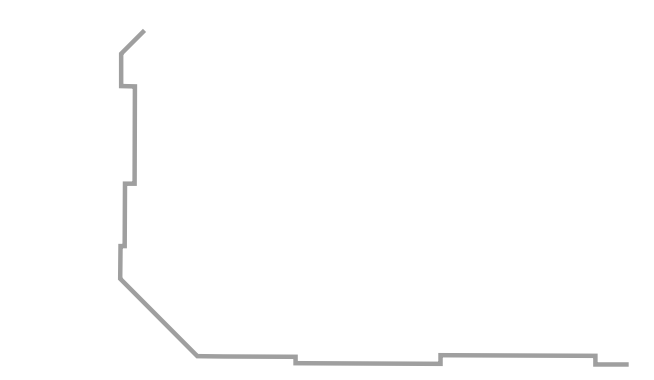
5. GENERAL NOTES FOR EROSION CONTROL

- 5.1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS & CONDITIONS OF THE TCEQ TYPES GENERAL PERMIT NO. 150000.
- 5.1.1. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON THE SITE AT ALL TIMES BY EACH OPERATOR. A COPY OF THE NOI MUST BE PROVIDED TO THE PUBLIC WORKS & ENGINEERING SERVICES PRIOR TO START OF CONSTRUCTION.
- 5.1.2. ALL RELEASES OF REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA, AND TCEQ.
- 5.1.3. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
- 5.2. EROSION CONTROL DEVICES SHALL BE INSTALLED ON ALL PROJECTS PRIOR TO ANY SOIL DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN A CONDITION ACCEPTABLE TO THE TOWN.
- 5.2.1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS, AND STORM DRAINAGE SYSTEM FROM EROSION DEPOSITS.
- 5.2.1.1. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE WEEKLY, AND WITHIN 24 HRS (BEFORE AND AFTER) A STORM EVEN OF 0.5 INCHES OR GREATER.
- 5.2.1.2. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES (3") OF 25% OF THE HEIGHT OF THE DEVICE (WHICHEVER IS LESS). THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER SO AS NOT TO CONTRIBUTE TO ADDITIONAL SILTATION.
- 5.2.2. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
- 5.2.3. MODIFICATIONS TO THE SWPPP SHALL BE IMPLEMENTED AND IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD. ANY MAJOR MODIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE DESIGN ENGINEER AND PUBLIC WORKS & ENGINEERING SERVICES PRIOR TO IMPLEMENTATION.
- 5.3. CONSTRUCTION ENTRANCES AND WASHOUTS
- 5.3.1. ASPHALT BAGS SHALL BE PLACED AT CONSTRUCTION ENTRANCES TO PREVENT CURB DAMAGE.
- 5.3.2. GEOTEXTILE FABRIC SHALL BE PLACED ON SUBGRADE PRIOR TO STONE PLACEMENT FOR CONSTRUCTION ENTRANCES.
- 5.3.3. NO EQUIPMENT SHALL BE CLEANED ON-SITE, OR OTHER LIQUIDS DEPOSITED AND ALLOWED TO FLOW OVERLAND OR SUBTERRANEAN WITHIN THE LIMITS OF

- 5.4. WASTE DISPOSAL
- 5.4.1. CONTRACTOR SHALL PROVIDE WASTE DISPOSAL CONTAINERS ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO THE APPROPRIATE DISPOSAL LOCATION BY THE CONTRACTOR.
- 5.4.2. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- 5.5. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING, AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUND COVER IN ALL STREET PARKWAYS, LOTS, AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY THE MORE RESTRICTIVE OF CURRENT NCTCOG OR TOWN STANDARDS.
- 5.6. SILT FENCE NOTES
- 5.6.1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18". STEEL POSTS SHALL NOT BE USED TO INSTALL EROSION CONTROL MEASURES WITHIN TOWN ROW.
- 5.6.2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
- 5.6.2.1. THE TRENCH MUST BE A MINIMUM OF SIX INCHES (6") DEEP AND SIX INCHES (6") WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 5.6.2.2. WHERE THE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
- 5.6.3. WIRE REINFORCEMENT SHALL BE USED ON ALL SILT FENCE USED FOR EROSION CONTROL. SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST. THERE SHALL BE A SIX INCH (6") DOUBLE OVERLAP, SECURELY FASTENED, WHERE ENDS OF FABRIC MEET.
- 5.6.4. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

TOA General Construction Notes | 01/2022

TOA General Construction Notes | 01/2022



EXISTING VP WEST 1

- LEGEND**
- INLET PROTECTION (IP) [Symbol]
 - FINISHED SLOPE [Symbol]
 - SPOT ELEVATION (TOP OF GROUND/PAVEMENT) x 525.80
 - SILT FENCE (SF) [Symbol]
 - STABILIZED CONSTRUCTION ENTRANCE (CE) [Symbol]

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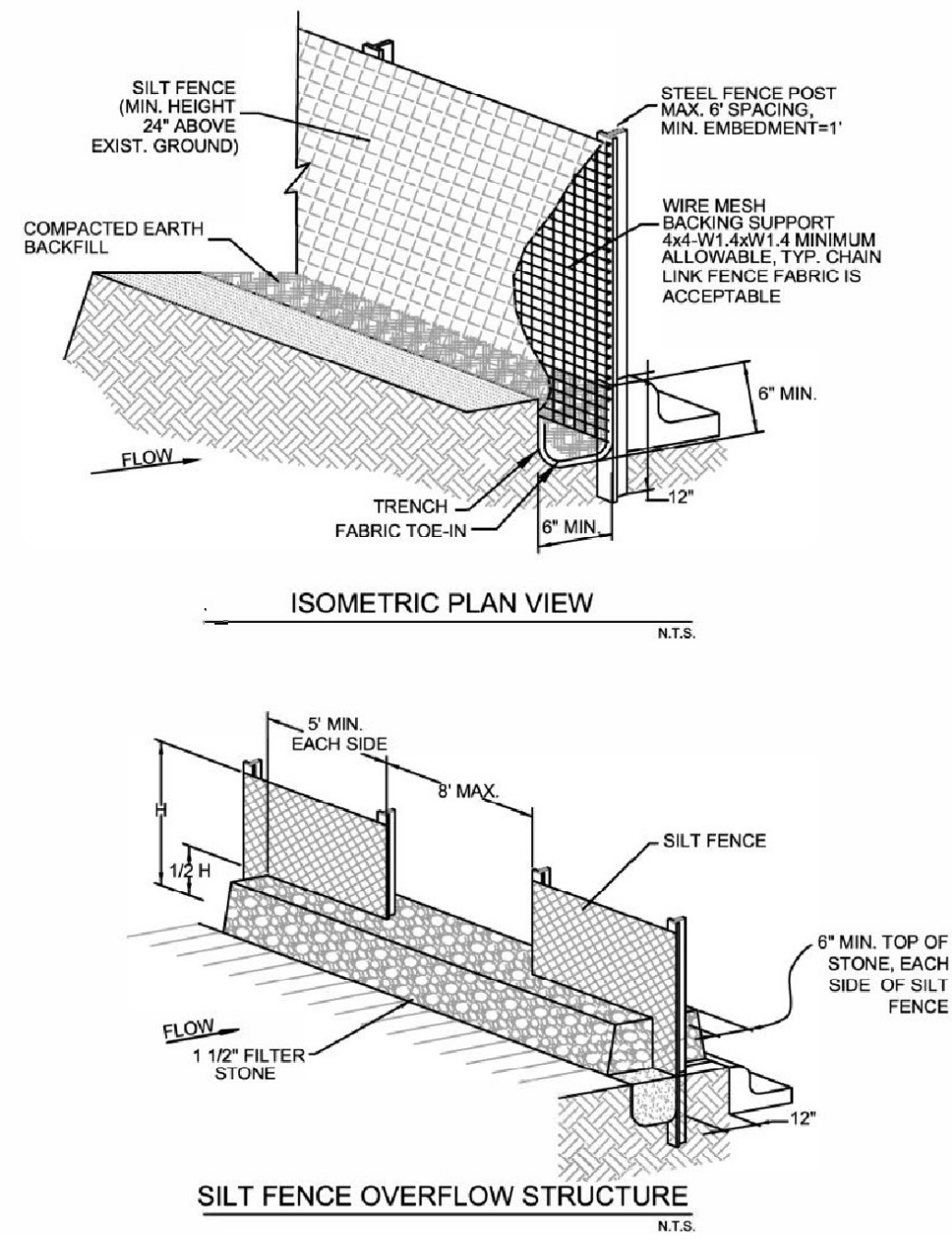
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VW3 STREETSCAPE IMPROVEMENTS
 VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
 TOWN OF ADDISON, TEXAS

EROSION & SEDIMENT CONTROL PLAN

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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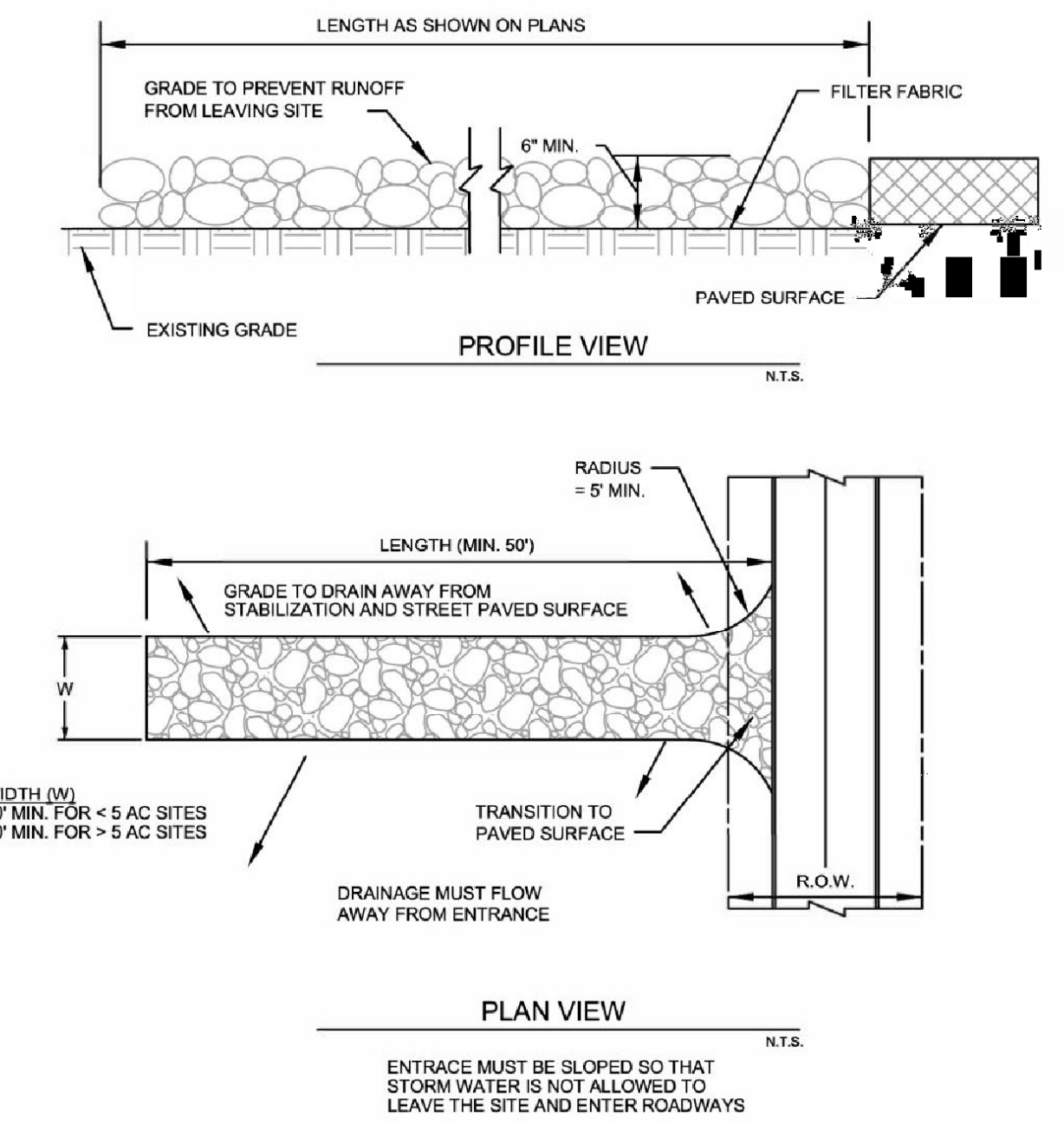
VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



SILT FENCE GENERAL NOTES:

- DESIGN SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE OVERFLOW STRUCTURES SHALL BE INSTALLED. OVERFLOW STRUCTURES ARE REQUIRED AT ALL LOW POINTS AND AT A SPACING OF APPROXIMATELY 300 FEET WHERE NO LOW POINT IS APPARENT.
- DESIGNER SHALL SHOW ON THE DRAWINGS THE LOCATIONS WHERE SILT FENCE IS TO BE TURNED UPSLOPE AT THE ENDS. UPSLOPE LENGTHS SHALL BE A MINIMUM OF 10 FEET.
- POST WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WIRE BACKING, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
- SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.5.

Revised 2018



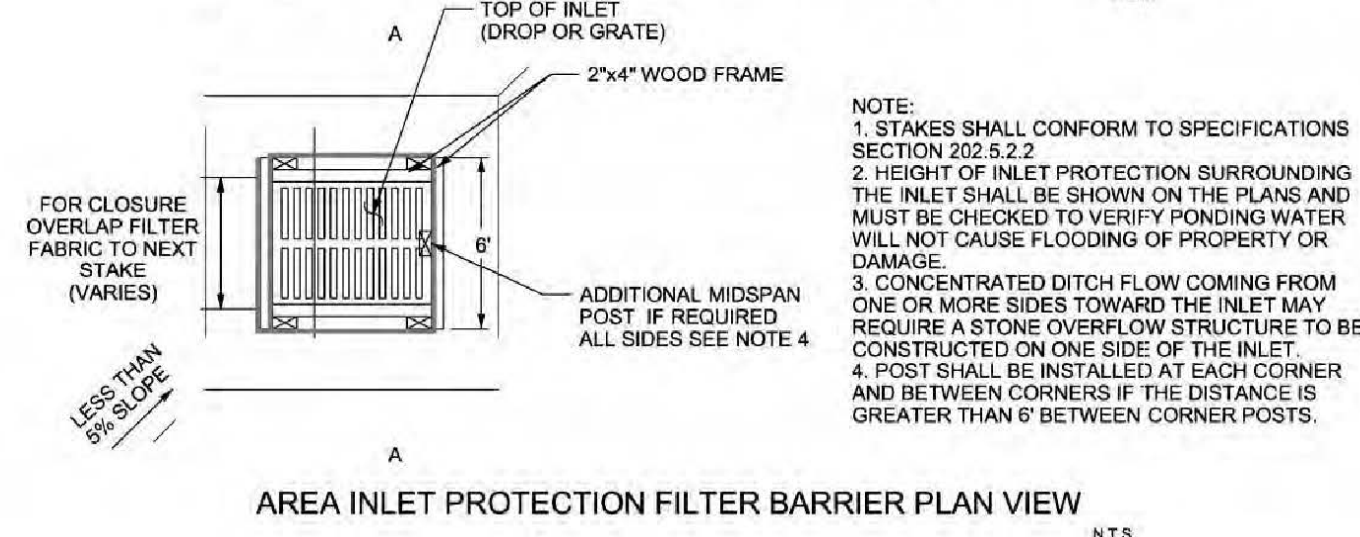
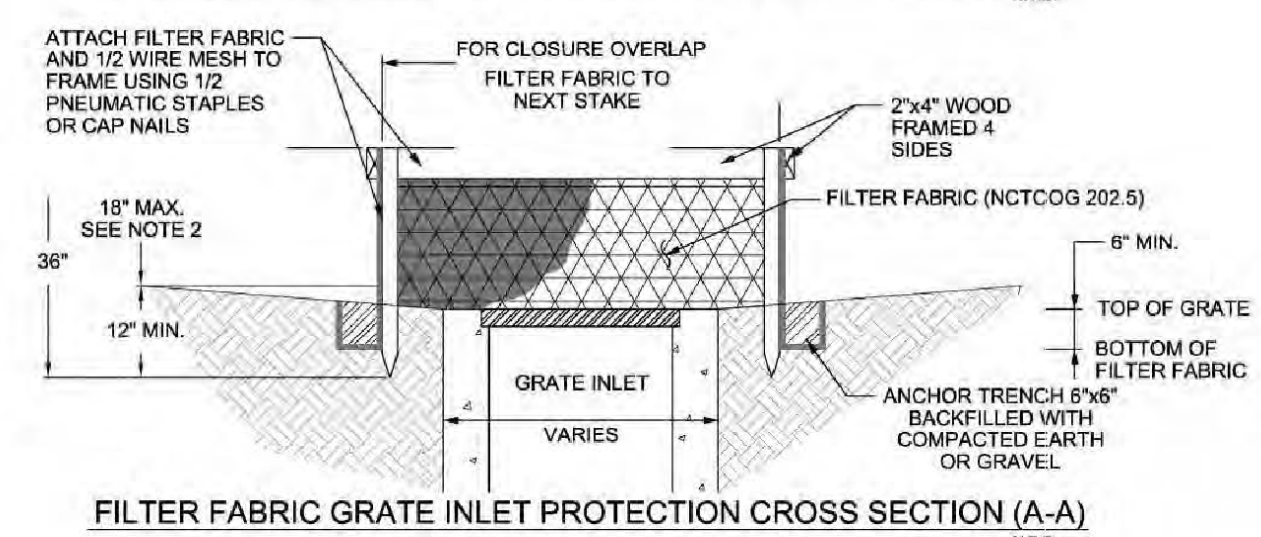
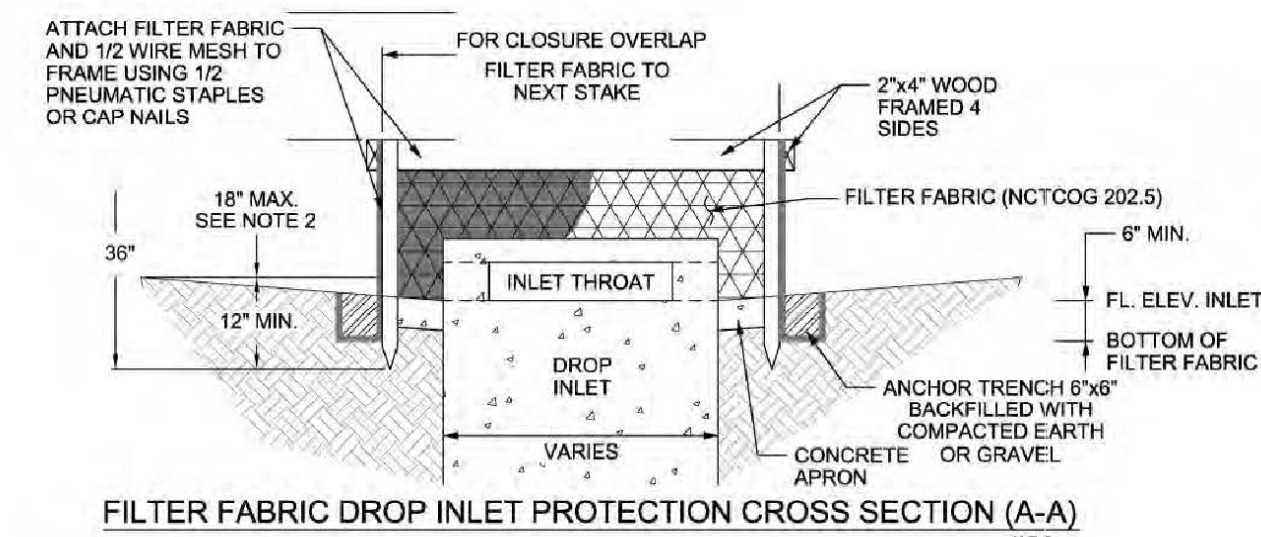
STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

- SEE NCTCOG STANDARD SPECIFICATIONS (2017), SECTION 202.11.
- THE THICKNESS SHALL NOT BE LESS THAN 6 INCHES.
- STONE SHALL BE 3 TO 5 INCH DIAMETER COURSE AGGREGATE. NO CRUSHED PORTLAND CEMENT CONCRETE ALLOWED.
- LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 50 FEET.
- THE WIDTH SHALL BE NO LESS THAN 20' FOR SITES LESS THAN 5 AC, AND 30' FOR SITES GREATER THAN 5 AC, AT ALL POINTS OF INGRESS OR EGRESS.
- WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
- THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- INSPECTION SHALL BE SPECIFIED IN THE SWPPP.

Revised 2018

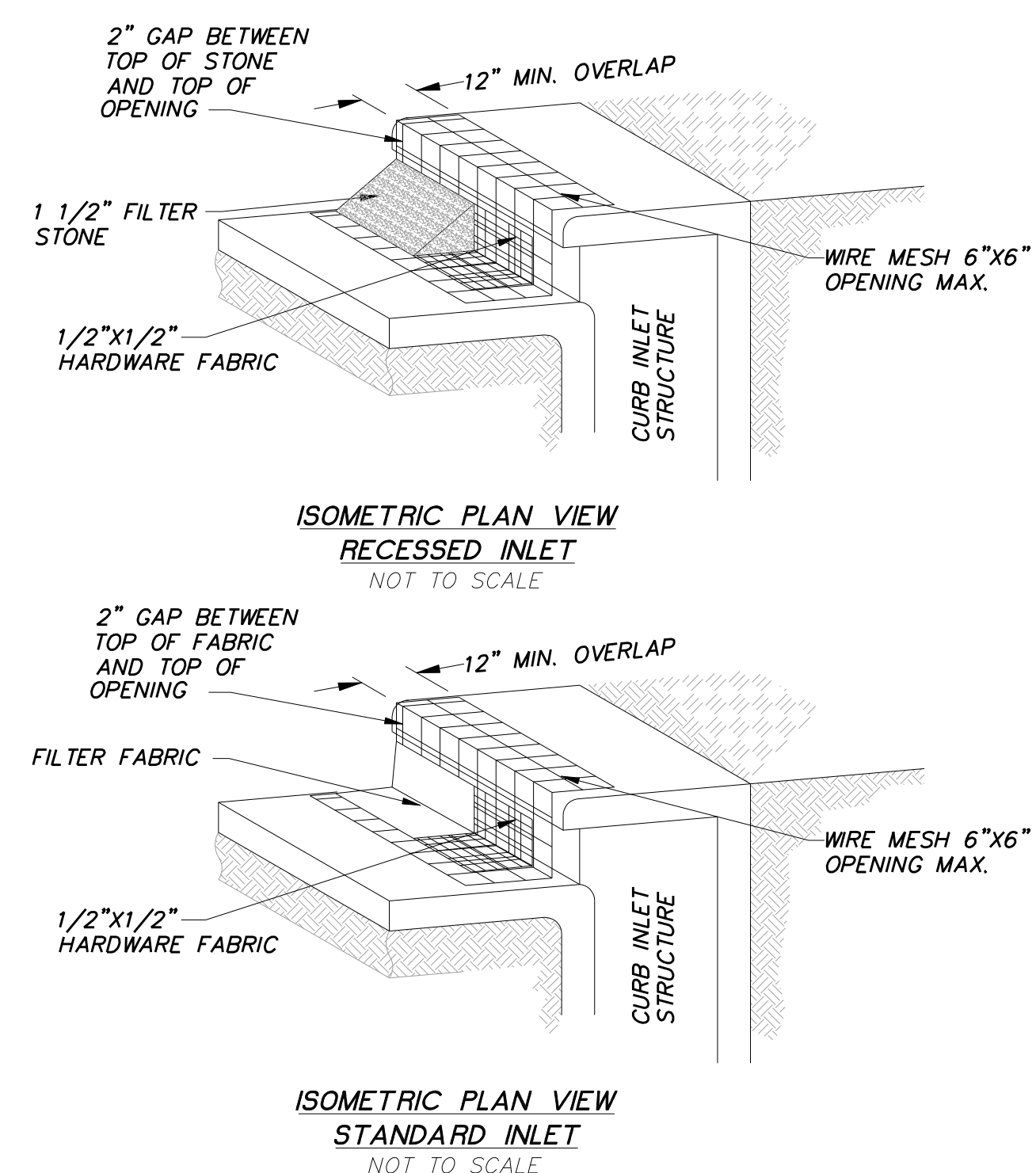
Figure 3.30 Schematics of Silt Fence

Figure 3.32 Schematics of Stabilized Construction Exit



Revised 2019

Figure 3.12 Schematics of Filter Fabric Area Inlet Protection (Source: City of Plano BMP SP-4)



CURB INLET PROTECTION
NOT TO SCALE

NOTES:

- MATERIAL SPECIFICATIONS:**
 - CONCRETE BLOCK—ASTM C 139, CONCRETE MASONRY UNIT FOR CONSTRUCTION.
 - WIRE FABRIC—STANDARD GALVANIZED HARDWARE FABRIC WITH 1/2" BY 1/2" OPENINGS.
 - FILTER STONE—NCTCOG SPECIFICATION 2.1.8.(E).
 - WIRE MESH—WELDED WIRE FABRIC CONFORMING TO NCTCOG SPECIFICATION 2.2.7 MAXIMUM OPENING 6"x6".
- MAINTENANCE REQUIREMENTS:** CURB INLET PROTECTION SHOULD BE INSPECTED WEEKLY AND AFTER MAJOR RAIN EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. REMOVE SEDIMENT FROM THE STORAGE AREA WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF OF THE STORAGE DEPTH. IF DE-WATERING OF THE STORAGE VOLUME IS NOT OCCURRING, CLEAN OR REPLACE THE FILTER STONE. CLEAN THE FILTER STONE SURFACE THE FIRST FEW TIMES BY RAKING. REPEATED SEDIMENT BUILD-UP WILL REQUIRE FILTER STONE REPLACEMENT.
- DO NOT USE A SEDIMENT FILTER TO CONTROL EROSION AROUND "Y" INLETS, UTILIZE SEDIMENT FENCES.
- EXTEND MESH, FABRIC AND FILTER STONE 12" BEYOND END OF INLET ON BOTH ENDS.



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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

EROSION & SEDIMENT CONTROL DETAILS

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NOTE: "SIDEWALK CLOSED AHEAD" SIGNS SHALL BE INSTALLED AT THE SOUTHEAST CORNER OF THE SPRING VALLEY ROAD AND MARSH LANE INTERSECTION DIRECTING PEDESTRIAN TRAFFIC TO THE EAST.

WESTGATE LANE

WESTGATE LANE

MARSH LANE

SAWCUT TYP
REMOVE & DISPOSE OF CONFLICTING CONC PAD AROUND UTILITY

VP WEST 3 UNDER CONSTRUCTION

EXISTING VP WEST 1

REMOVE & DISPOSE OF CONFLICTING CONC PADS AROUND UTILITIES

SAWCUT TYP

EXISTING POOL

BM #1 REF. ELEVATION = 547.84
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.
BM #2 REF. ELEVATION = 559.47
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 112' NORTH OF VITRUVIAN WAY.

0 15 30 45 60
GRAPHIC SCALE IN FEET
SCALE: 1"=30'

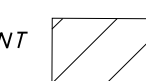


NOTE: "SIDEWALK CLOSED" SIGNS SHALL BE INSTALLED AT THE NORTHEAST CORNER OF THE VITRUVIAN WAY AND MARSH LANE INTERSECTION DIRECTING PEDESTRIAN TRAFFIC TO THE EAST ON THE SOUTH SIDE OF VITRUVIAN WAY.

EXISTING VP WEST 2

LEGEND

REMOVE & DISPOSE OF EXISTING CONC PAVEMENT



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Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210
Engineering Firm Registration Number F-9007

VW3 STREETSCAPE IMPROVEMENTS

VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C

TOWN OF ADDISON, TEXAS

DEMOLITION PLAN

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
ICE	ICE	APR 13, 2022	AS NOTED		6

GENERAL GRADING AND PAVING NOTES:

1. REFER TO SHEET 3 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THIS PROJECT.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AS PUBLISHED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, AND ANY AND ALL AMENDMENTS BY THE TOWN OF ADDISON, AS WELL AS STANDARD CONSTRUCTION DETAILS OF THE TOWN OF ADDISON.
3. PRIOR TO COMMENCING CONSTRUCTION, THE TOWN OF ADDISON, THE CONSULTING ENGINEERS, THE SUCCESSFUL CONTRACTOR, UTILITY COMPANIES, AND ANY OTHER AFFECTED PARTIES, SHALL CONVIENE FOR A PRE-CONSTRUCTION CONFERENCE AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE TOWN OF ADDISON PRIOR TO WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY PUBLIC UTILITY COMPANIES FOR LOCATION OF EXISTING FACILITIES IN OR NEAR THE WORK AREAS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 - TOWN OF ADDISON (WATER, SEWER, SIGNALS) ATMOS ENERGY (GAS)
 - ONCOR ELECTRIC DELIVERY VERIZON (TELEPHONE)
 - AT&T (SOUTHWESTERN BELL) TIME-WARNER CABLE
 - CHARTER CABLE
6. THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER (SIX SETS EACH), FOR APPROVAL OF ALL MATERIALS TO BE ADDED TO THE PUBLIC INFRASTRUCTURE, PRIOR TO INCORPORATING MATERIALS INTO THE JOB.
7. THE CONTRACTOR SHALL EXECUTE A "PAYMENT, PERFORMANCE AND MAINTENANCE BOND" PRIOR TO WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
8. THE CONTRACTOR SHALL PROVIDE A MAINTENANCE BOND FOR PUBLIC INFRASTRUCTURE WORK IN THE FOLLOWING AMOUNTS:
 - 100% FOR VALUATIONS LESS THAN OR EQUAL TO \$5,000.
 - \$5,000 FOR VALUATION GREATER THAN \$5,000, AND LESS THAN \$50,000.
 - 10% FOR VALUATIONS GREATER THAN \$50,000.
- BONDS SHALL BE FOR A PERIOD OF TWO YEARS BEGINNING WITH THE DATE OF FINAL ACCEPTANCE BY THE TOWN.
9. THE CONTRACTOR SHALL FULLY COMPLY WITH, AND SUPPLEMENT AS NECESSARY, THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT.
10. THE TOWN OF ADDISON INFRASTRUCTURE DEPARTMENT WILL APPROVE AND/OR DETERMINE THE TRAFFIC CONTROL PLAN AND WORKING HOURS. CONTACT THE CITY ENGINEER AT (972) 450-2849 OR THE INFRASTRUCTURE INSPECTOR AT (972) 450-2847. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT, AND SUPPLEMENT AS NECESSARY, THE TRAFFIC CONTROL MEASURES ON THIS PROJECT, INCLUDING PROVIDING ADEQUATE FLAGMEN, SIGNAGE, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION IN ACCORDANCE WITH THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS OR PROVIDE AN ALL-WEATHER DETOUR AROUND THE CONSTRUCTION SITE, INCLUDING PUBLIC NOTIFICATION AND SIGNING.
11. TEMPORARY OR PERMANENT BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS OR EGRESS TO PREVENT PUBLIC USE UNTIL THE WORK RECEIVES FINAL ACCEPTANCE.
12. THE TOWN OF ADDISON WILL PROVIDE A GEOTECHNICAL LABORATORY TO PERFORM APPROPRIATE TESTING DURING CONSTRUCTION ACTIVITIES. ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY WHICH IS MADE A PART OF THESE CONSTRUCTION DOCUMENTS. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RETESTED AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING PROVIDING ALL TEMPORARY STRUCTURES OR IMPROVEMENTS AS NECESSARY FOR THE SAFETY OF THE PUBLIC.
14. ANY ADJACENT PROPERTIES AFFECTED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, OR BETTER. THIS INCLUDES MEDIANS IN THE TOWN RIGHT OF WAY.
15. AREAS TO BE PAVED AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF SIX (6) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE ENGINEER. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
16. BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES.
17. UPON COMPLETION OF STRIPPING OPERATIONS AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF-ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
18. WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE, AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THIS MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF SIX (6) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO BETWEEN NINETY-FIVE (95) PERCENT TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.
19. ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 3 INCHES IN LARGEST DIMENSION WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN NINETY-FIVE (95) AND ONE HUNDRED (100) PERCENT OF STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698.
20. THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:
 - 10" BELOW FINISHED GRADE FOR ALL STREET PAVEMENT AREAS
 - 5" BELOW FINISHED GRADE FOR ALL SIDEWALK PAVEMENT AREAS
 - 6" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS
- A TOLERANCE OF +/- 0.10 FEET OF THE FINISHED GRADE WILL BE ALLOWED FOR ALL AREAS UNDER PROPOSED PAVEMENT. ALL LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
22. ALL LANDSCAPE AREAS AND OTHER DISTURBED AREAS WITHIN THE LIMITS OF THE PROPERTY NOT DESIGNATED TO BE PAVED SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFER TO THE EROSION AND SEDIMENT CONTROL PLANS AND/OR LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING AND PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ON THESE PLANS. ALL EARTHWORK SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION AND BID ON A LUMP-SUM BASIS, UNLESS NOTED OTHERWISE.
24. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, UTILITY SERVICES, BUILDING FOUNDATIONS AND ALL OTHER UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND, THE COST OF WHICH SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
25. THE CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION, AND ANGLULATION OF EXISTING PAVEMENT PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. WHERE PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
26. NO PERSON SHALL OPEN, TURN OFF, INTERFERE WITH, ATTACH ANY HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE TOWN OF ADDISON UNLESS DULY AUTHORIZED TO DO SO BY THE TOWN OF ADDISON INFRASTRUCTURE DEPARTMENT (972-450-2871).
27. ALL EXISTING AND PROPOSED IMPROVEMENTS (MANHOLE RIMS, CLEAN-OUTS, FIRE HYDRANTS, VALVE BOXES, WATER METERS AND VAULTS, ETC.) SHALL BE ADJUSTED TO FINAL FINISHED GRADE BY THE CONTRACTOR AT THE TIME OF PAVING.

28. PREPARATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF ADDISON SPECIFICATIONS OR THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY. PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, STREET USE EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.
29. ALL FILL UNDER PAVEMENT AREAS SHALL BE COMPACTED TO A DENSITY OF AT LEAST NINETY-FIVE (95) PERCENT STANDARD PROCTOR AS PER ASTM D698 AT OR ABOVE OPTIMUM MOISTURE CONTENT (+/-3%). LIFTS SHALL BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND AS APPROVED BY THE TOWN OF ADDISON. ALL FILL MATERIAL SHALL BE TESTED AS INSTALLED AND CERTIFIED BY AN APPROVED SOILS LABORATORY.
30. THE SUBGRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUBGRADE AND BACKFILLED AND RE-COMPACTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT. PAVEMENT SUBGRADE SHOULD NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.
31. CONCRETE SHOULD BE PORTLAND CEMENT CONCRETE, CONFORMING TO THE REQUIREMENTS OF TxDOT ITEM 421, PORTLAND CEMENT CONCRETE CLASS "P".
32. HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TxDOT ITEM 260. LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPLIED AT THE RATE AND THICKNESS AS RECOMMENDED IN THE GEOTECHNICAL REPORT, THOROUGHLY MIXED AND BLENDED WITH THE SUBGRADE AND UNIFORMLY COMPACTED TO A MINIMUM OF 100 PERCENT OF STANDARD PROCTOR (ASTM D698) DETERMINED BY THAT TEST. LIME STABILIZATION SHALL EXTEND ONE (1) FOOT OUTSIDE THE LIMITS OF THE PAVED AREA. IT SHOULD BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED.
33. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK WITH TRENCHING OPERATIONS FOR OTHER UTILITIES INCLUDING GAS, TELEPHONE, AND ELECTRIC SERVICES, LANDSCAPE IRRIGATION CONDUITS, LIGHTING CONDUITS, STREETScape IMPROVEMENTS, ETC. AND SHALL PROVIDE BLOCKOUTS AND/OR FINAL ADJUSTMENT TO FINISH GRADE FOR ALL IMPROVEMENTS, EXISTING AND PROPOSED, WITHIN THE LIMITS OF THE PAVING WORK.
34. ALL CURB SHOWN IS TO BE SIX (6) INCHES HIGH.
35. EXPANSION JOINT MATERIAL SHALL EXTEND COMPLETELY THROUGH THE CURB.
36. ALL REINFORCING BARS SHALL BE GRADE 40 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS. WHERE BARS ARE SPLICED, A 30' DIAMETER LAP SHALL BE USED.
37. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORTS.
38. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY/MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY THE TESTING FIRM. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO (72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
39. CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN THE TEMPERATURE IS ABOVE 35 DEGREES AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
40. CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS), THE AMERICANS DISABILITY ACT (ADA) AND THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG). ALL CONCRETE FOR HANDICAP RAMPS SHALL HAVE TRUNCATED DOMES.
41. PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE TEXAS "UNIFORM TRAFFIC MANUAL FOR PAVEMENT MARKINGS". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE TOWN OF ADDISON'S REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS AND/OR ADA AND/OR PROWAG STANDARDS.
42. MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE TxDOT ITEM #526.
43. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO ALL EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
44. THE CONTRACTOR SHALL PROVIDE PAVEMENT JOINTING IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. SAW CUTTING SHALL BE DONE WITHIN EIGHT (8) HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. PROVIDE A NEAT CUT WHICH IS TRUE IN ALIGNMENT.
 - B. CONTRACTOR SHALL MARK JOINT LOCATIONS AT THE CENTERLINE OF DOWEL LENGTH DURING HIS PAVING OPERATIONS.
 - C. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB AT A 90° ANGLE.
 - D. RADIAL JOINTS SHALL BE NO SHORTER THAN EIGHTEEN (18) INCHES.
 - E. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED.
 - F. ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
 - G. THE CONTRACTOR SHALL SUBMIT HIS DESIRED JOINT LAYOUT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
45. THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLETION AND COMPLIANCE OF ANY AND ALL REQUIRED TESTS TO THE TOWN OF ADDISON.
46. THE CONTRACTOR SHALL CALL (972) 450-2847 TO REQUEST A FINAL WALK-THROUGH INSPECTION OF THE PUBLIC INFRASTRUCTURE WORK.



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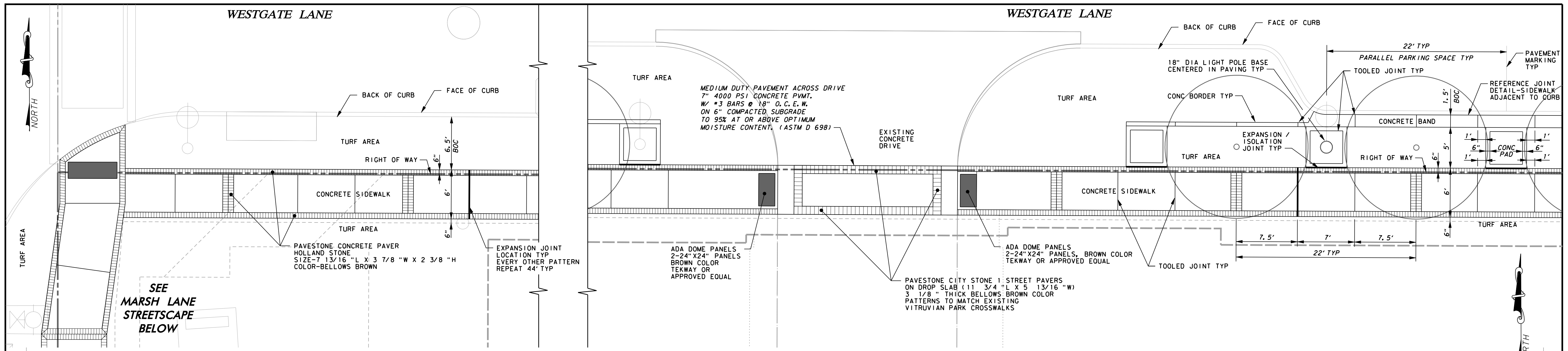
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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C

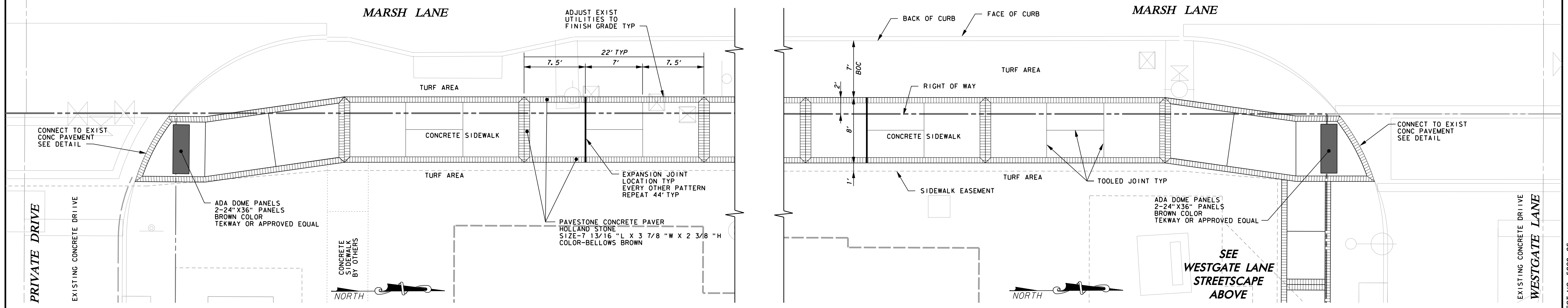
TOWN OF ADDISON, TEXAS

STREETSCAPE PAVING NOTES & DETAILS

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TYPICAL STREETSCAPE PLAN - WESTGATE LANE
SCALE: 1"=6'



TYPICAL STREETSCAPE PLAN - MARSH LANE
SCALE: 1"=6'



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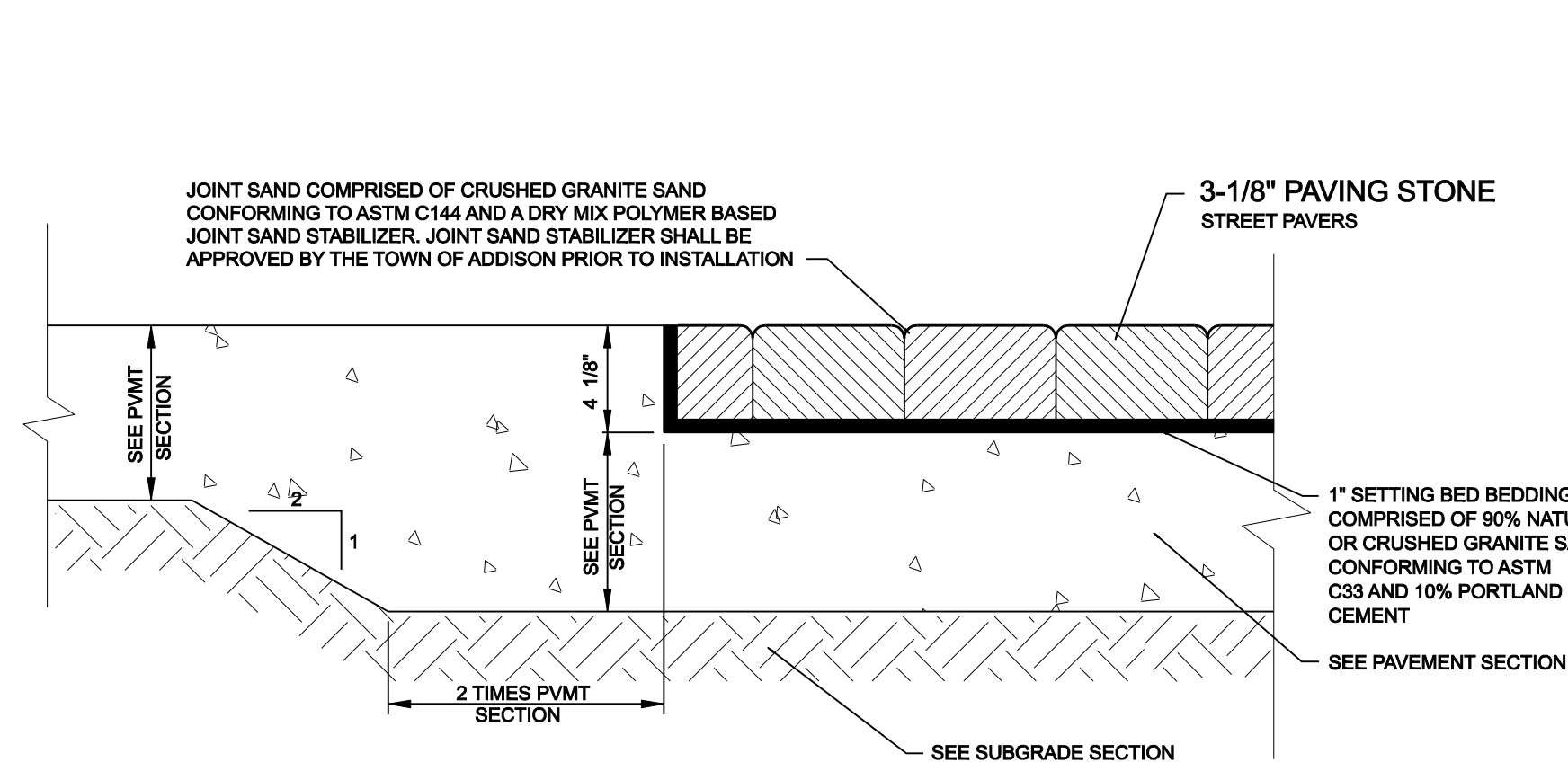
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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

STREETSCAPE PAVING DETAILS

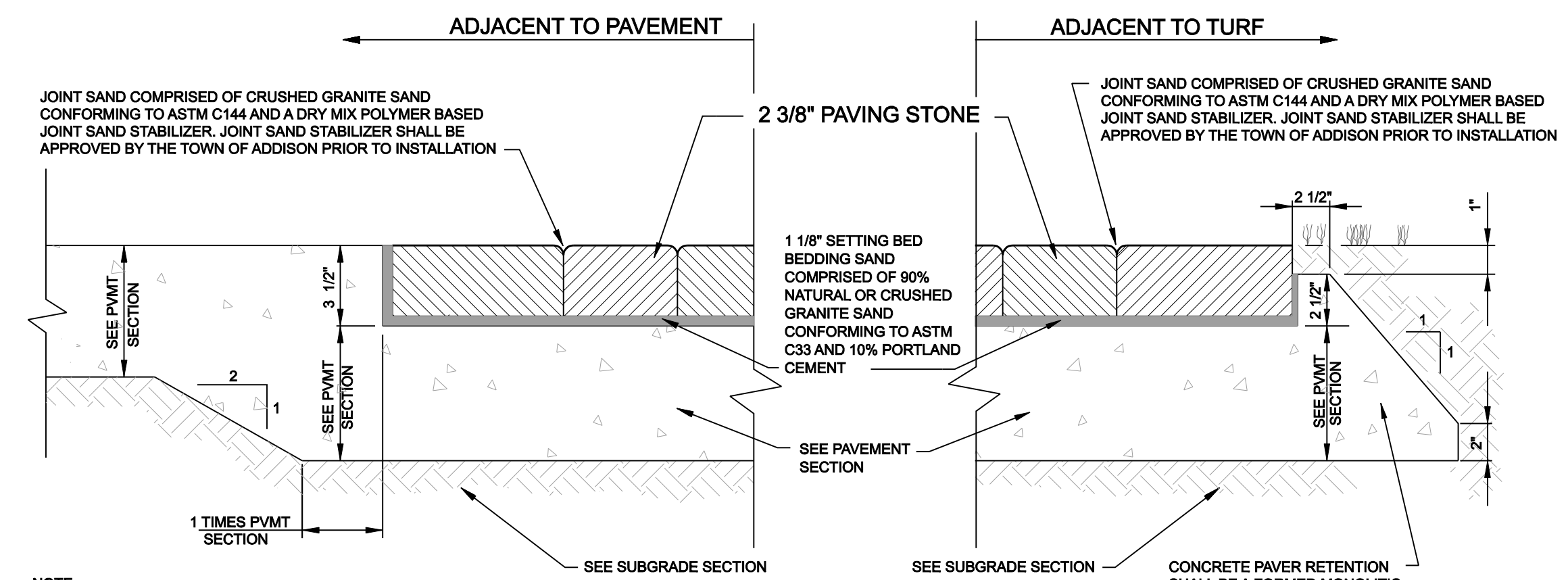
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VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



NOTE:
CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS OR STREETS

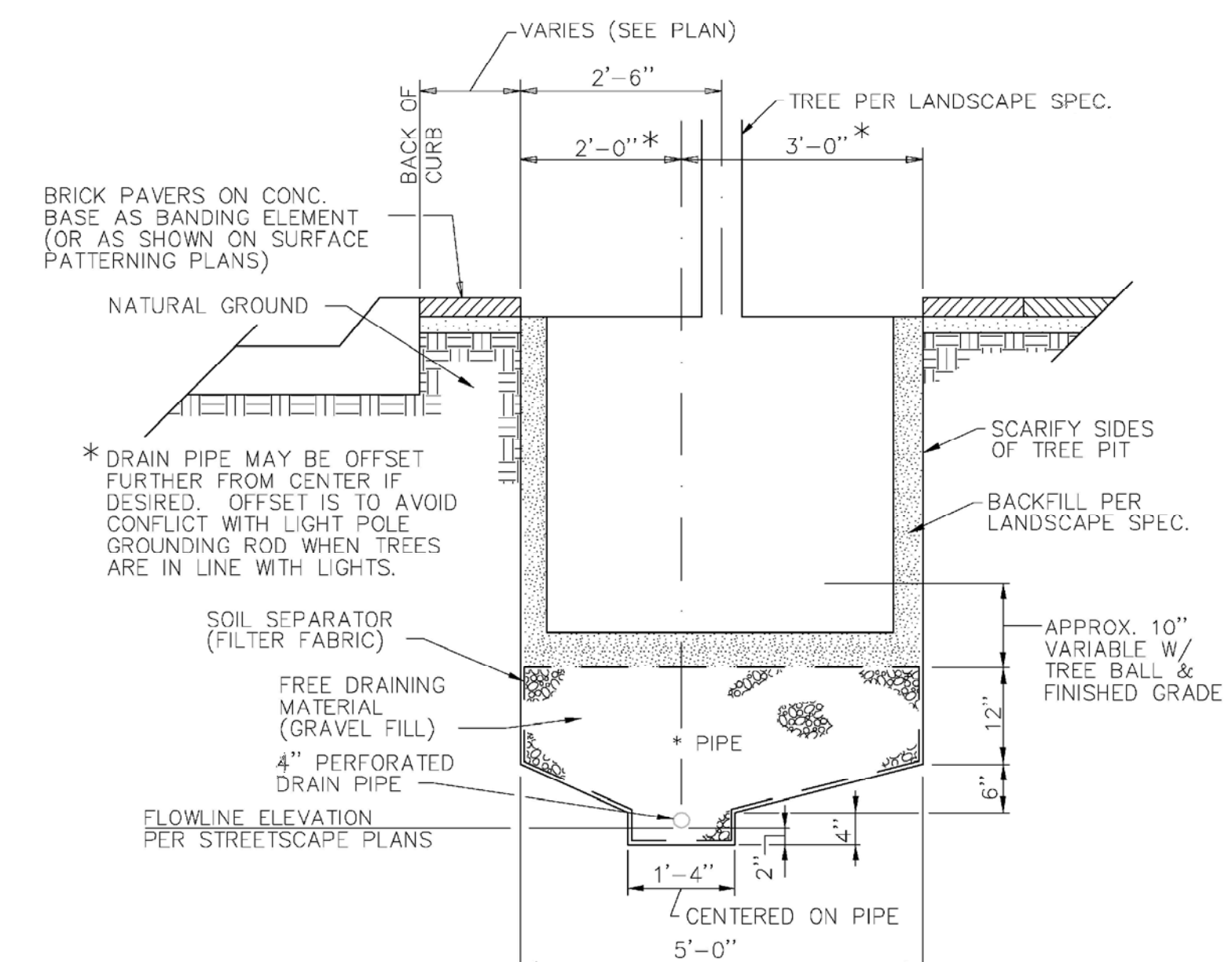
STREET PAVERS ON CONCRETE DROP SLAB
NOT TO SCALE



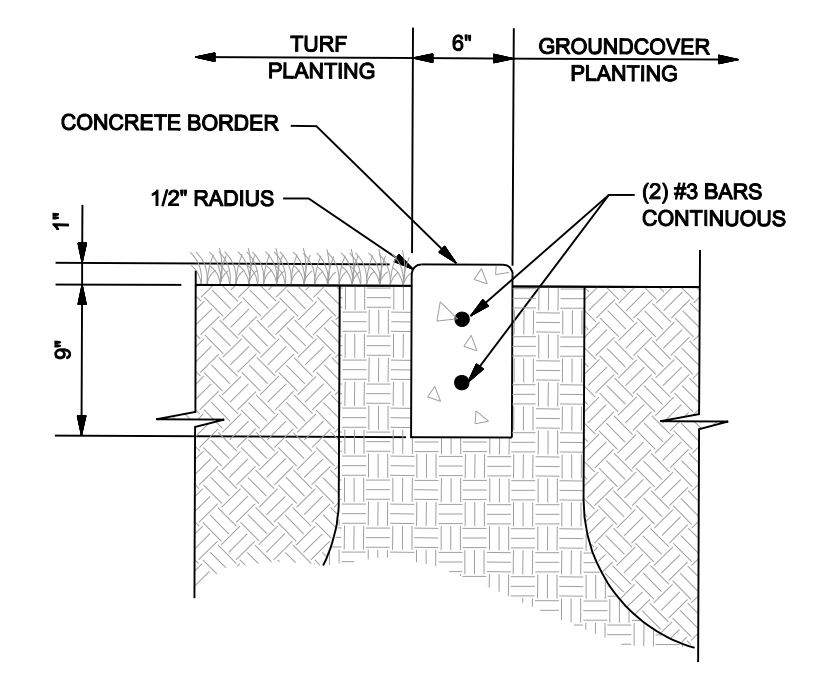
NOTE:
CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS

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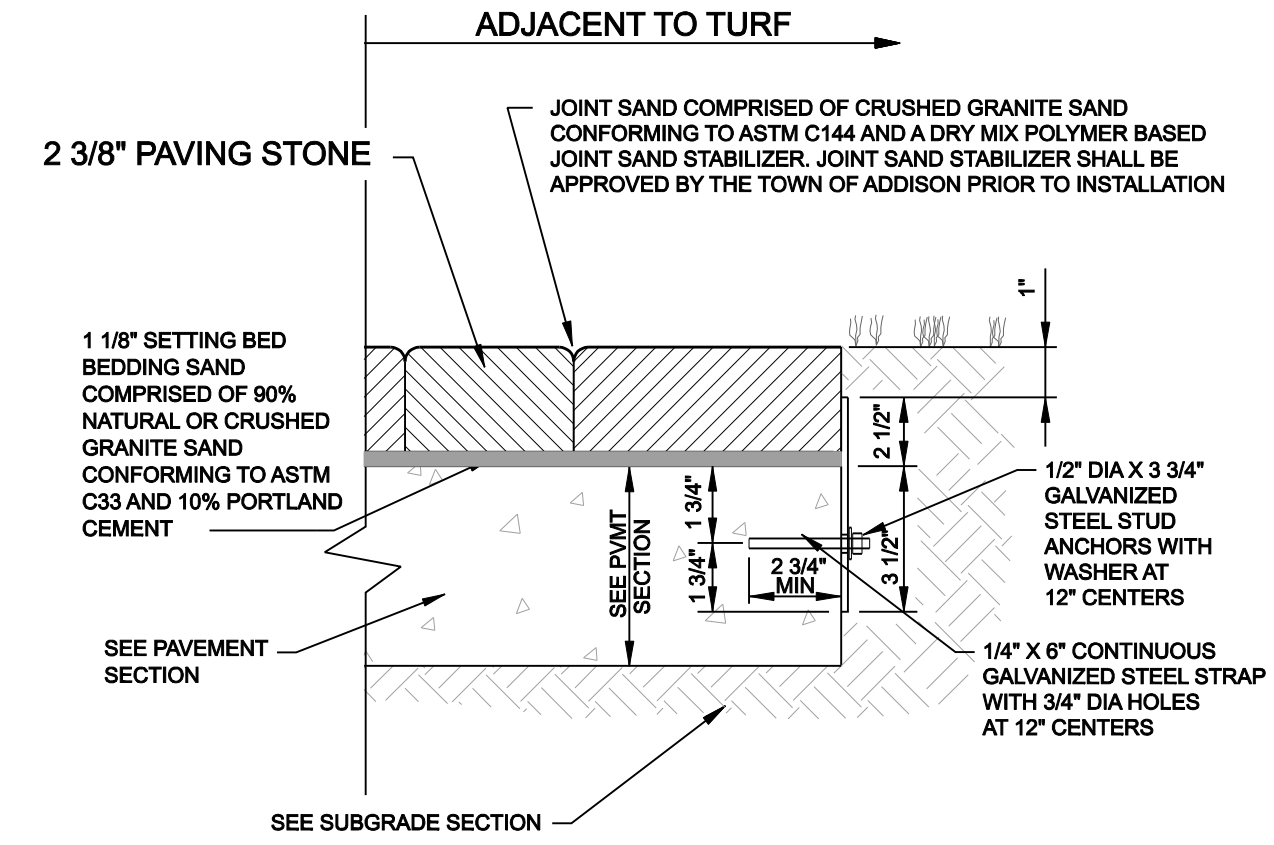
PAVERS ON CONCRETE DROP SLAB
NOT TO SCALE



SUBSURFACE DRAIN SYSTEM DETAIL
(SECTION PERPENDICULAR TO CURB)
N.T.S.
(TO BE USED ON ALL TREES UNLESS OTHERWISE NOTED)

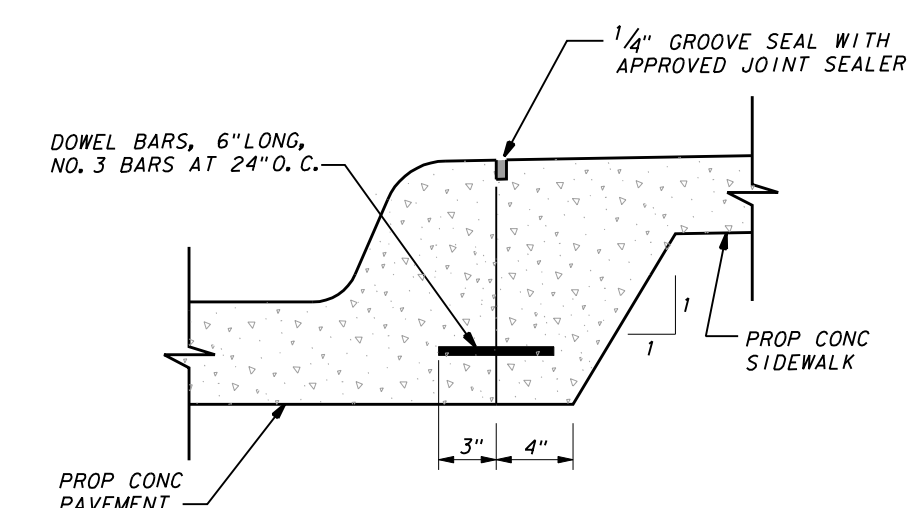


CONCRETE BORDER
NOT TO SCALE

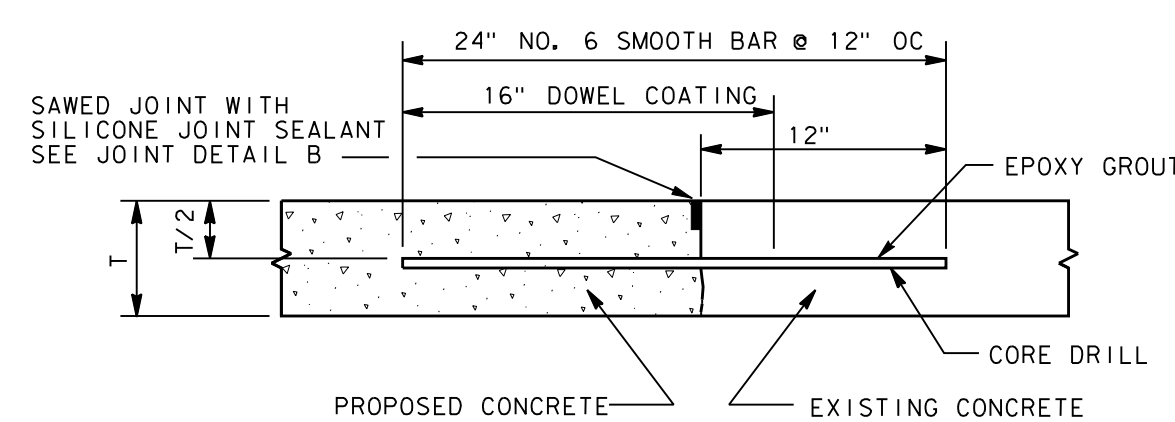


CONTRACTOR SHALL CONFIRM THICKNESS OF FINAL PAVER SELECTION PRIOR TO POURING DROP SLABS IN THE SIDEWALKS OR STREETS

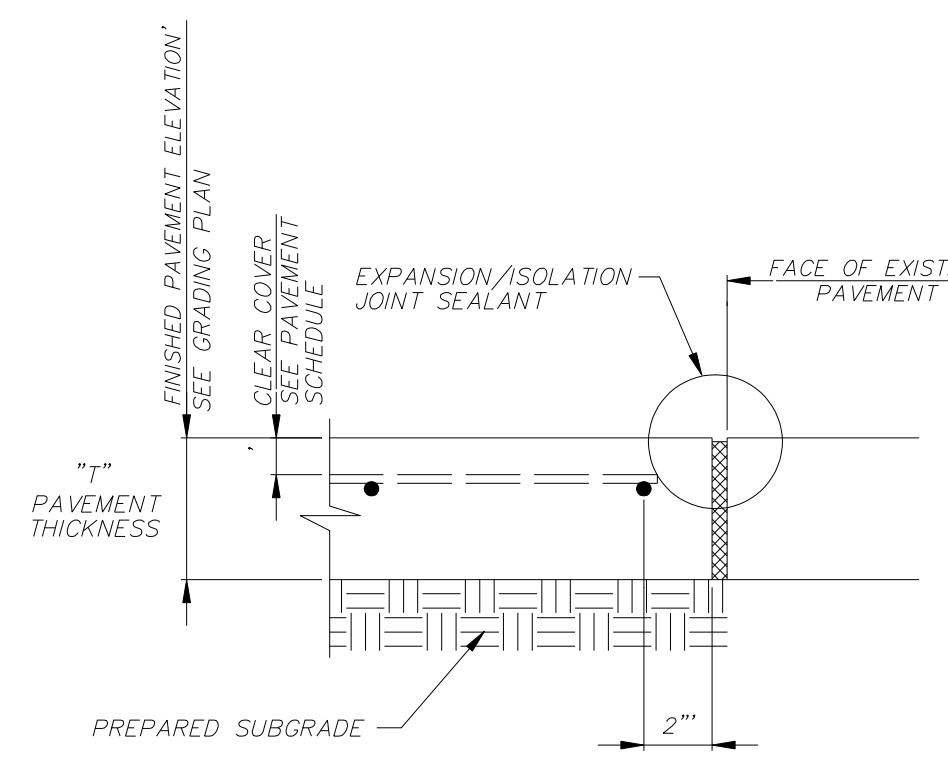
ALTERNATE PAVER RETENTION ON CONCRETE DROP SLAB
NOT TO SCALE



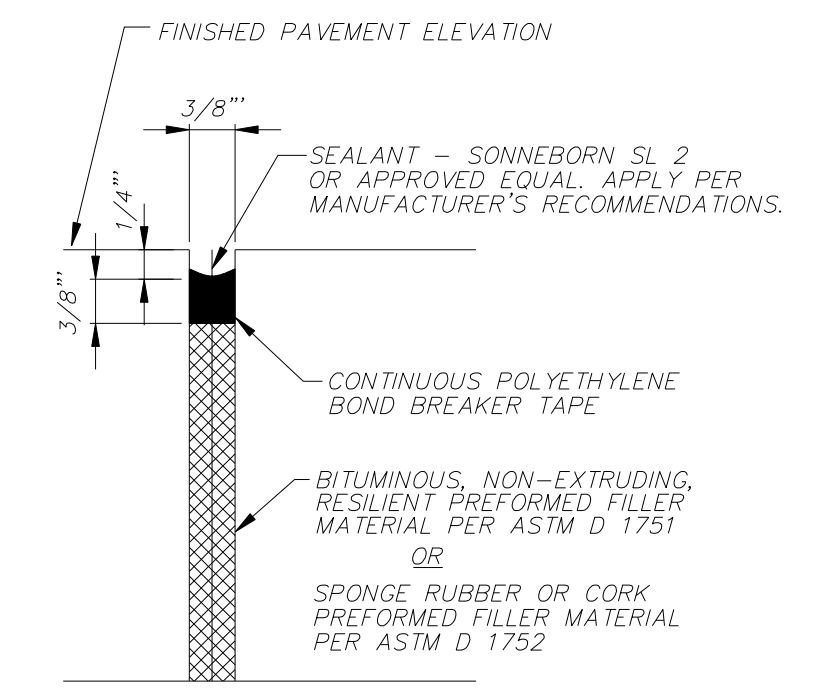
JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB
NOT TO SCALE



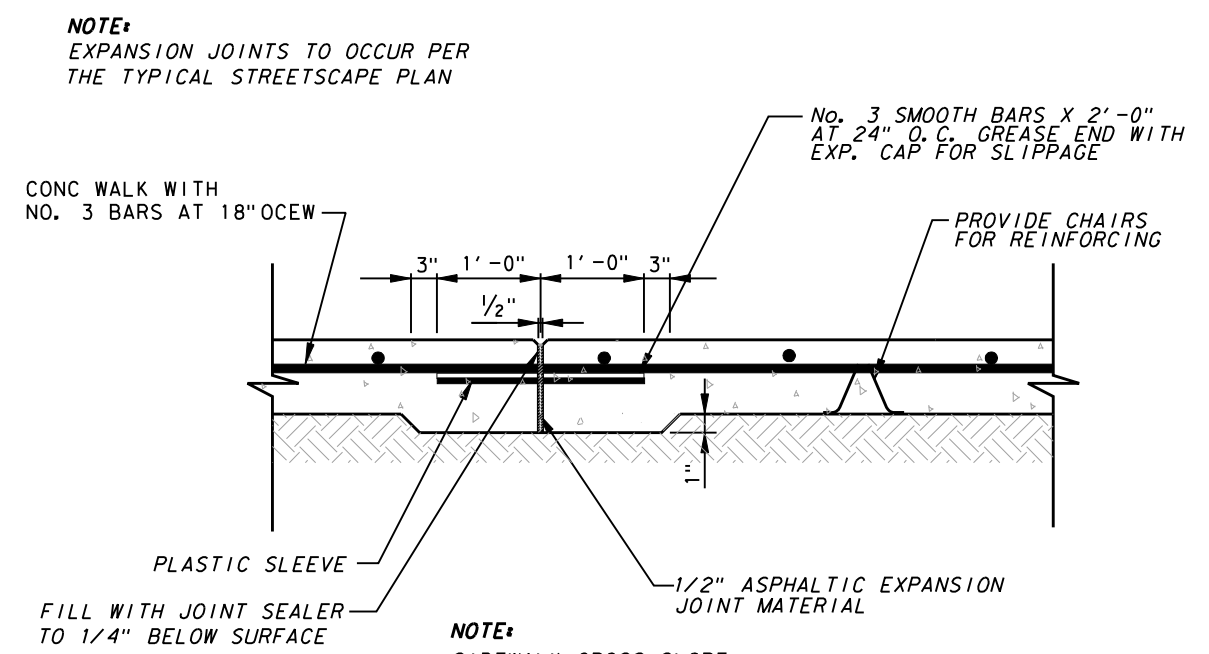
PROPOSED TO EXISTING CONCRETE PAVEMENT
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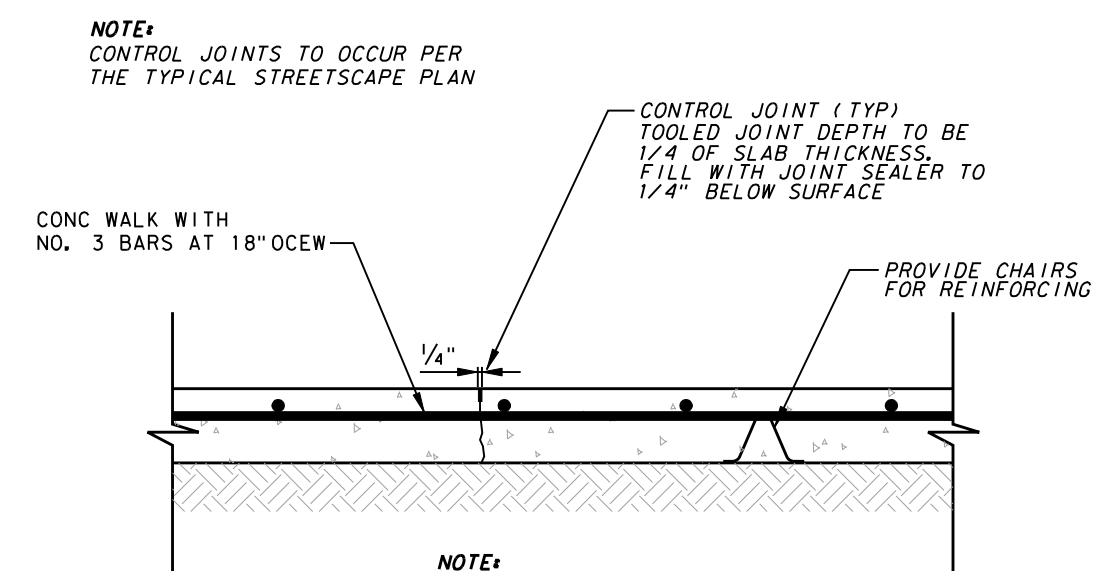
EXPANSION / ISOLATION JOINT
NOT TO SCALE



EXPANSION / ISOLATION JOINT SEALANT
NOT TO SCALE



STREETSCAPE SIDEWALK EXPANSION JOINT
NOT TO SCALE



STREETSCAPE SIDEWALK CONTROL JOINT
NOT TO SCALE



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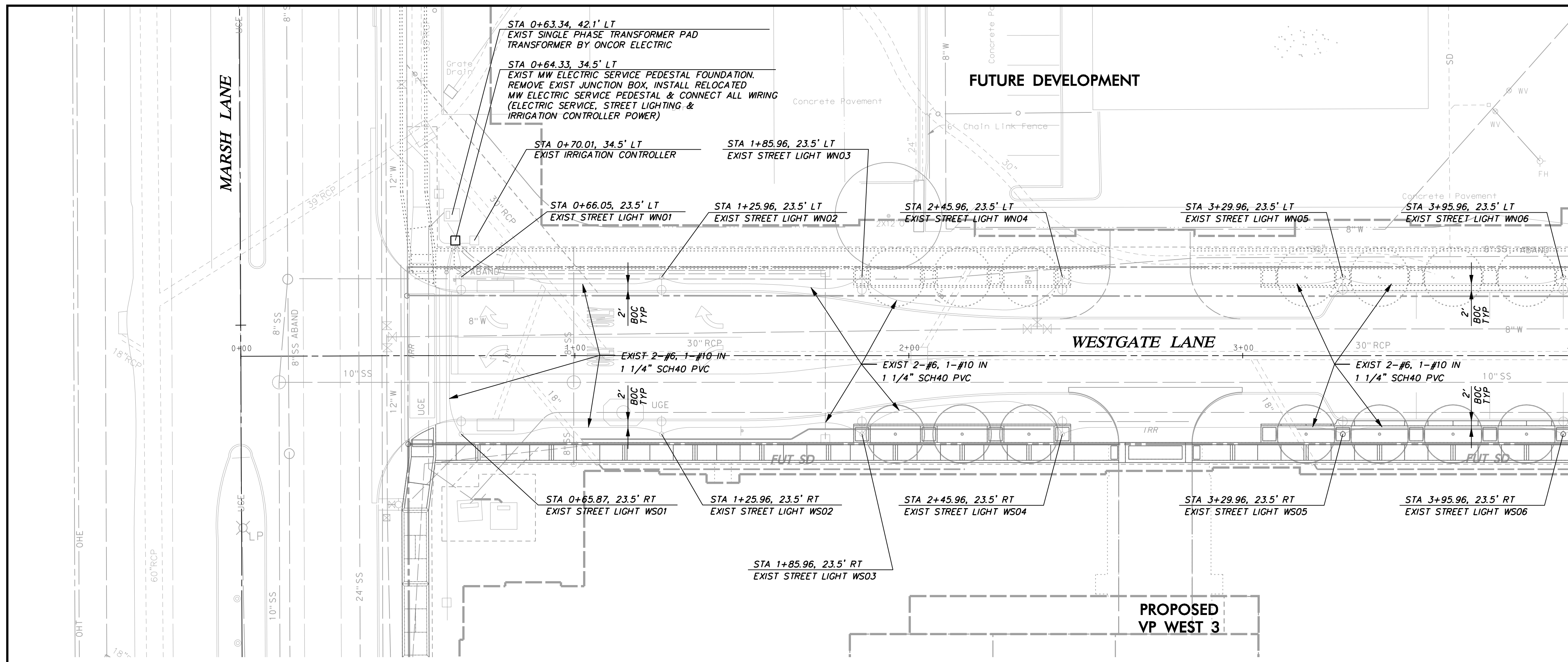
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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

STREETSCAPE PAVING DETAILS

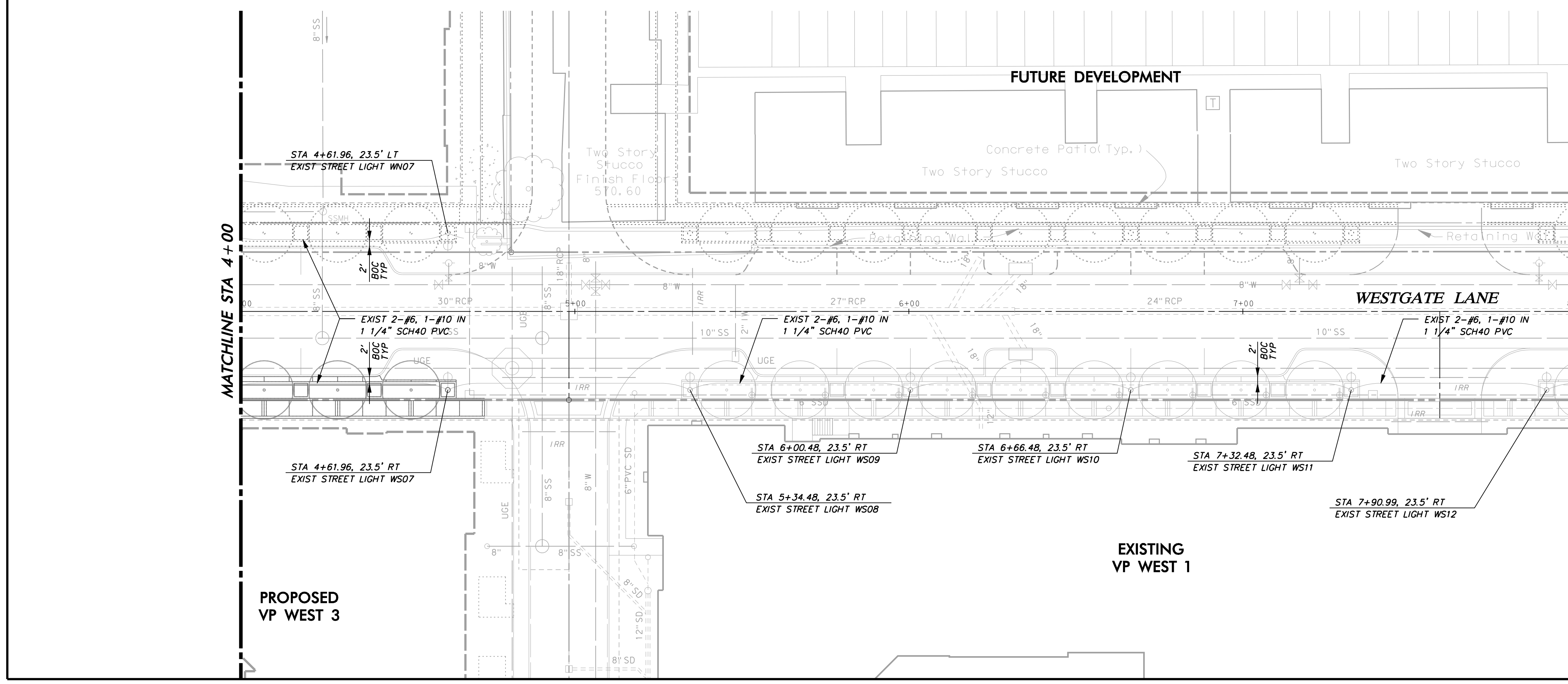
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VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



- LEGEND**
- PULL BOX (GROUND BOX)
 - PVC CONDUIT (LIGHTING)
 - TRANSFORMER ON PAD
 - STREET LIGHT - TYPE 1
 - STREET LIGHT - FUTURE TYPE 1
 - * PROVIDED BY POWER COMPANY

- STREET LIGHTING & CONDUIT NOTES**
1. REFER TO SHEET 3 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
 2. WATER, SANITARY SEWER, AND STORM DRAIN LINES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL LOCATE ALL UTILITY LINES IN THE AREA PRIOR TO DIGGING.
 3. INSTALL SCHEDULE 40 PVC UNDERGROUND (24" MIN COVER). ALL STREET AND DRIVEWAY CROSSINGS (36" MIN COVER). ALL BENDS TO BE LONG RADIUS.
 4. CONNECTION TO POWER COMPANY CIRCUITS TO BE MADE ONLY BY POWER COMPANY.
 5. UNLESS OTHERWISE INDICATED ALL WORK SHALL CONFORM TO THE 2008 NATIONAL ELECTRICAL CODE (NFPA 70) AND THE 2007 NATIONAL ELECTRICAL SAFETY CODE (ANSI C2).
 6. ALL EMPTY CONDUIT INSTALLED FOR FUTURE EXTENSION SHALL BE TURNED UP AND EXTENDED UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS. ALL EMPTY CONDUIT SHALL CONTAIN A PULL LINE - 200 LB TEST NYLON.
 7. IRRIGATION SLEEVES "IRR" SHALL CONSIST OF 1-6" SCH 40 PVC AND 1-2" SCH 40 PVC INSTALLED WITH MINIMUM 24" COVER AND EXTENDING 2' BEYOND THE BACKS OF CURB OR EDGE OF PAVEMENT AND UP TO FINISHED GRADE. CAP ENDS OF ALL CONDUITS.



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 AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

BM #2 REF. ELEVATION = 559.47
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END
 NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

NORTH

SCALE: 1"=20'

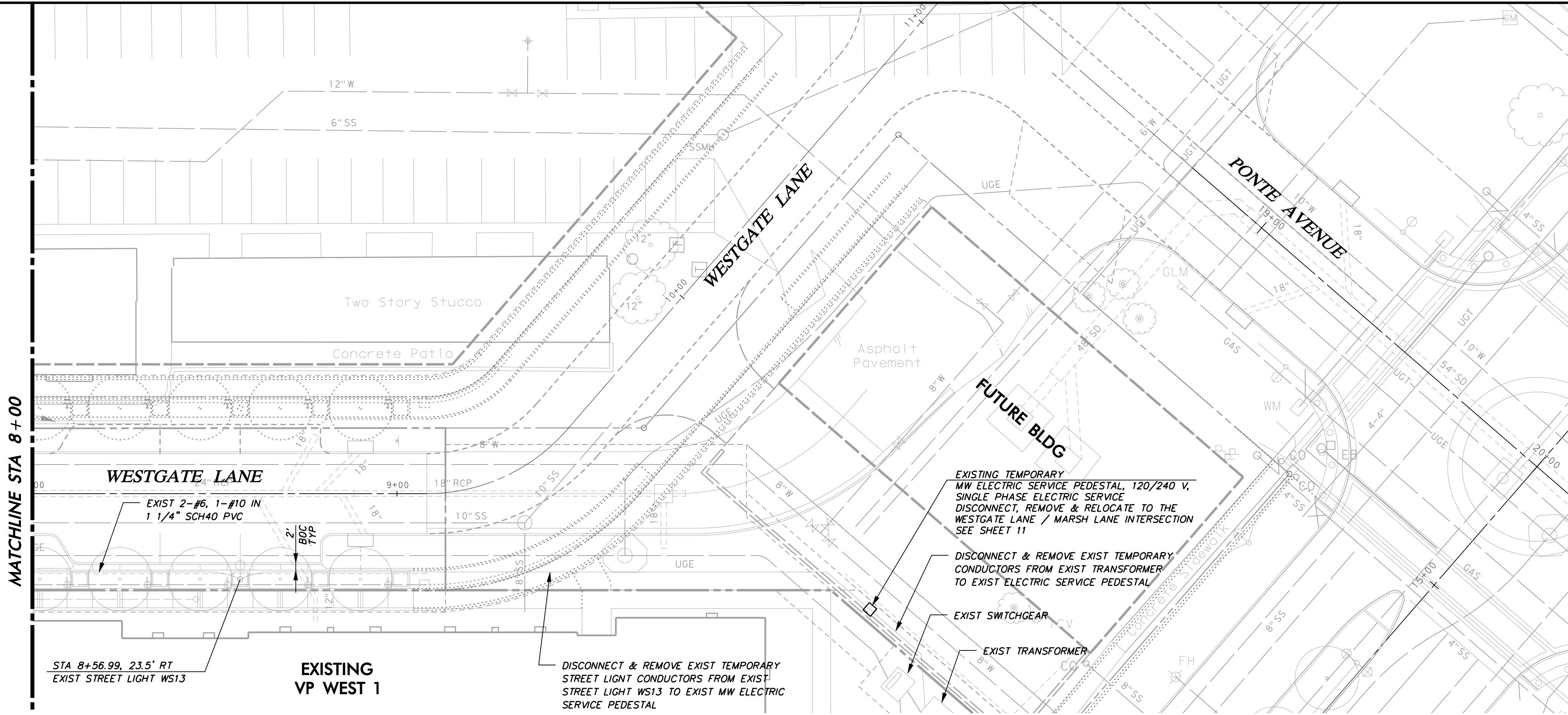
NO.	REVISION	BY	DATE

icon Consulting Engineers, Inc. 2840 W. Southlake Blvd., Suite 110
 Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210
 Engineering Firm Registration Number F-9007

VW3 STREETSCAPE IMPROVEMENTS
 VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
 TOWN OF ADDISON, TEXAS
STREET LIGHT & CONDUIT PLAN
 WESTGATE LANE - STA 0+00 TO 8+00

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



LEGEND

PULL BOX (GROUND BOX)	■
PVC CONDUIT (LIGHTING)	—
TRANSFORMER ON PAD	* ▲
STREET LIGHT - TYPE 1	⊙
STREET LIGHT - FUTURE TYPE 1	⊙
* PROVIDED BY POWER COMPANY	

- STREET LIGHTING & CONDUIT NOTES**
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Panel Schedule Date: 6/27/2016

Project: Marsh Lane & Westgate Lane - Vitruvian Park Block 200

Panel Name:	MW Pedestal	Volts<L-L>:	240	Main Bkr:	200 Amps
Mfg:		Volts<L-G>:	120	Main Lugs:	Amps
Model:		Phase:	1	Panel AIC:	22,000 Amps
Description:		Wires:	3	Neutral Bar:	Y / N
Location:	I	"I" = Indoor, "O" = Outdoor		Ground Bar:	Y / N
Breaker Mounting:	S	"S" = Standard, "B" = Bolt-in			

Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA		Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
					L1	L2					
1	60	2	Lighting Contactor 1	<	5760						
				>	1920		2			2	Space
3	60		Lighting Contactor 1	<<	5760						
				>>	1920		4				Space
5	60	2	Contactor 2	<	5760						
				>	1920		6	20	1		Irrigation Controller
7	60		Contactor 2	<<	5760						
				>>	1920		8	20	1		Pedestal Duplex Outlet
9		1	Space	<	1920						
				>	1920		10	20	1		Spare
11		1	Space	<<	1920						
				>>	1920		12	20	1		Spare

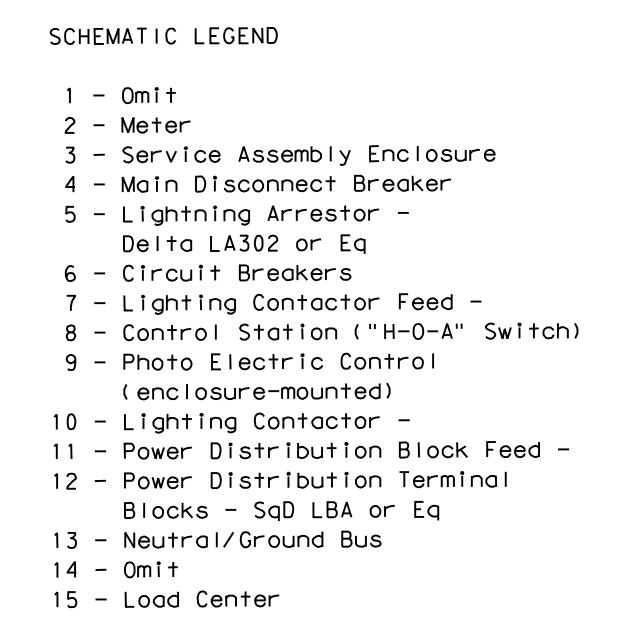
CONTACTOR 2 FEED SUB-PANEL

Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA		Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves
					L1	L2					
1	20	1	W SE Black Tree Outlets	<	1200						
				>	1200		2	20	1		W SE Blue Tree Outlets
3	20	1	FUT W NE Black Tree Outlets	<<	1200						
				>>	1200		4	20	1		FUT W NE Blue Tree Outlets
5	20	1	FUT Black Tree Outlets	<	1600						
				>	1600		6	20	1		FUT Blue Tree Outlets
7	20	1	FUT Black Tree Outlets	<<	1600						
				>>	1600		8	20	1		FUT Blue Tree Outlets

Connected VA per Leg = 19200 19200
Total Amps per Leg = 160 160

EXISTING MW PEDESTAL PANEL SCHEDULE

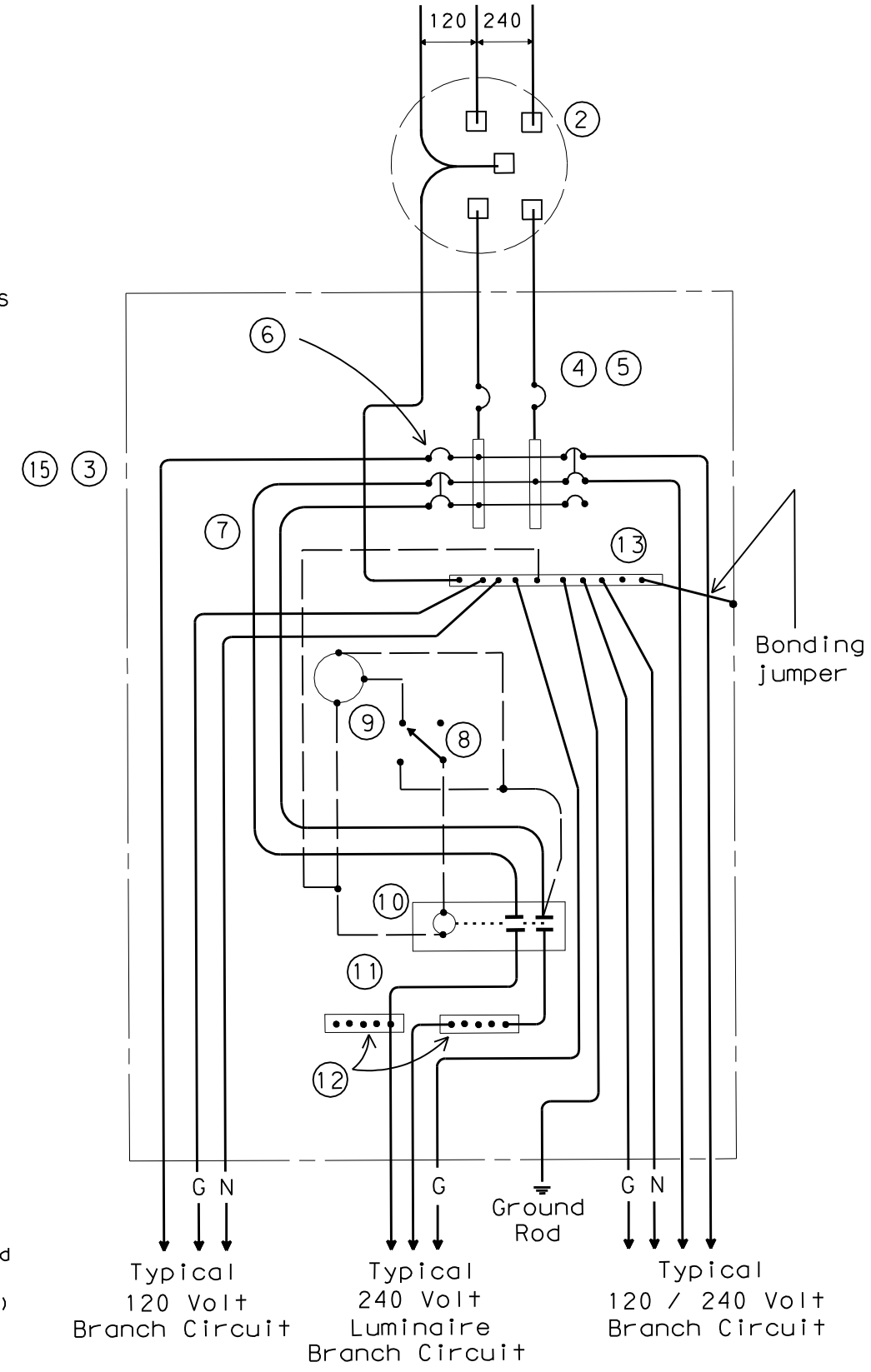
Two PhotoCell viewing windows not shown but required when photocell is listed as enclosure mounted.



TYPE D SERVICE NOTES

Photocell and lighting contactor shall be located in the same UL type 3R enclosure with load center. There shall be a window on each side of enclosure to allow operation of photocell. Both photocell, contactor and breaker area shall have dead front trim. Type D load center with lighting controls shall have power distribution blocks for a minimum of 10, #4 conductors.

EXISTING ELECTRIC SERVICE PEDESTAL SCHEMATIC



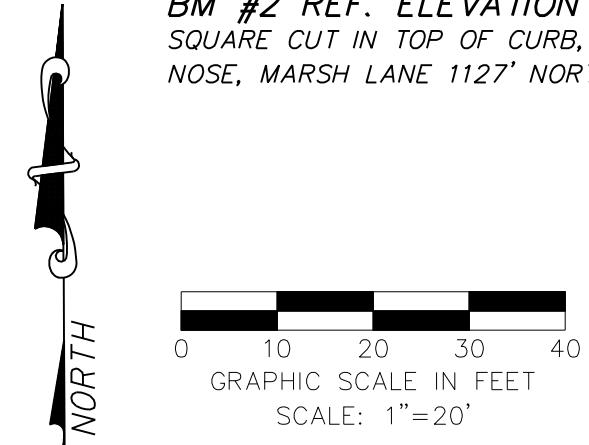
SCHEMATIC TYPE D
120/240 VOLTS - THREE WIRE

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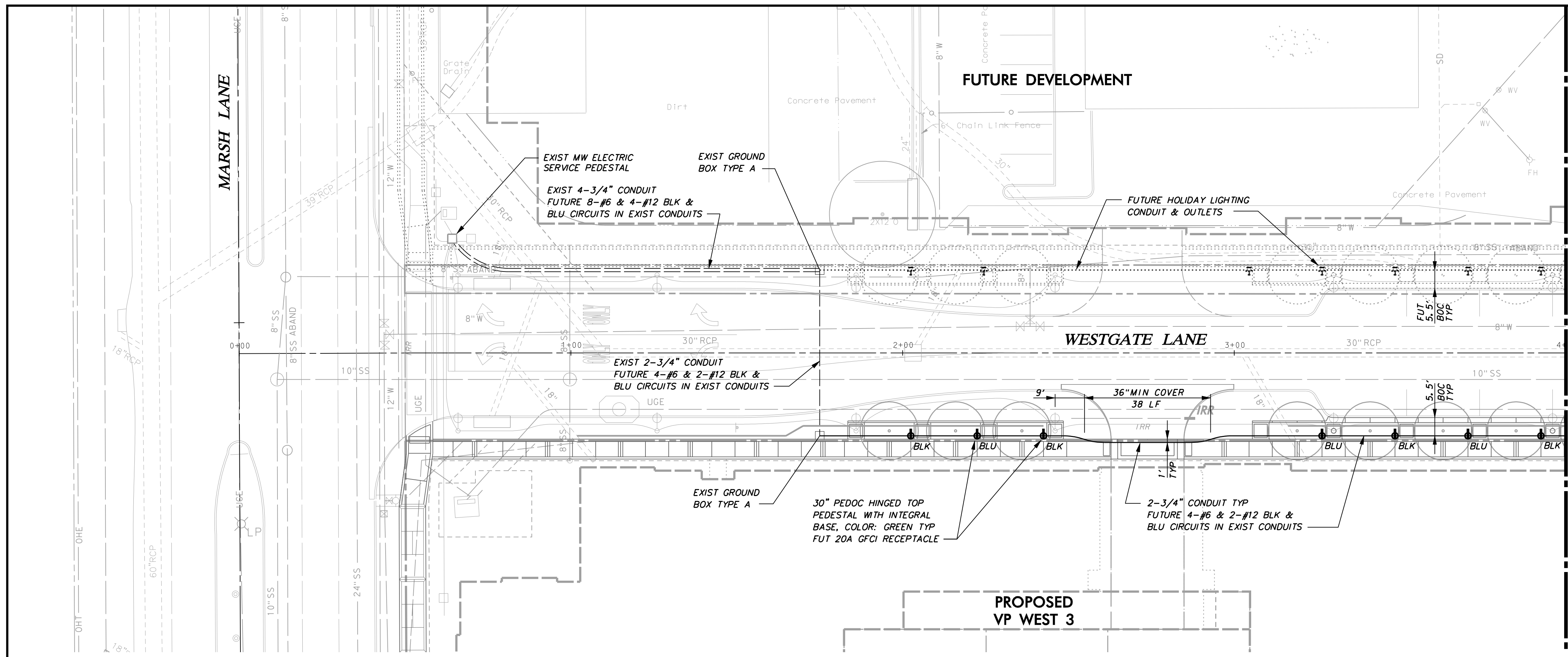
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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

STREET LIGHT & CONDUIT PLAN
WESTGATE LANE - STA 8+00 TO 9+08.15

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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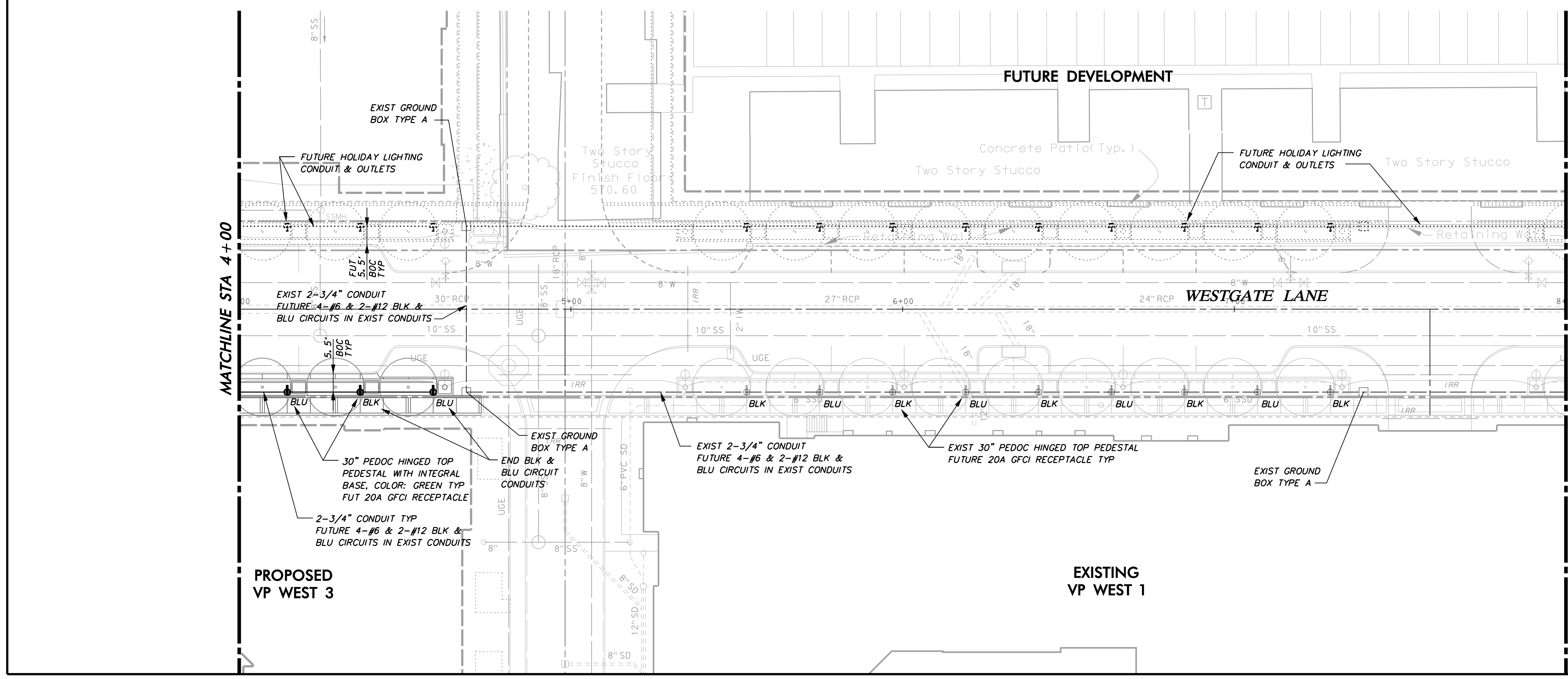
MATCHLINE STA 4+00

LEGEND

- | | | |
|---|------------|----------|
| GROUND BOX | PROPOSED | FUTURE |
| PVC CONDUIT | — | --- |
| TRANSFORMER ON PAD | * [Symbol] | [Symbol] |
| STREET LIGHT - TYPE 1 | [Symbol] | [Symbol] |
| PEDOC OUTLET BOX PEDESTAL
30" HEIGHT SINGLE GANG HINGED
TOP WITH INTEGRAL BASE
COLOR: GREEN
20A GFCI RECEPTACLE
HUBBLE GFR5362SGW OR EO
* PROVIDED BY POWER COMPANY | | |

HOLIDAY LIGHTING & CONDUIT NOTES

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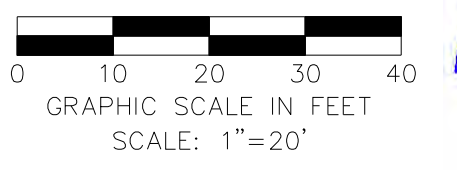


MATCHLINE STA 8+00

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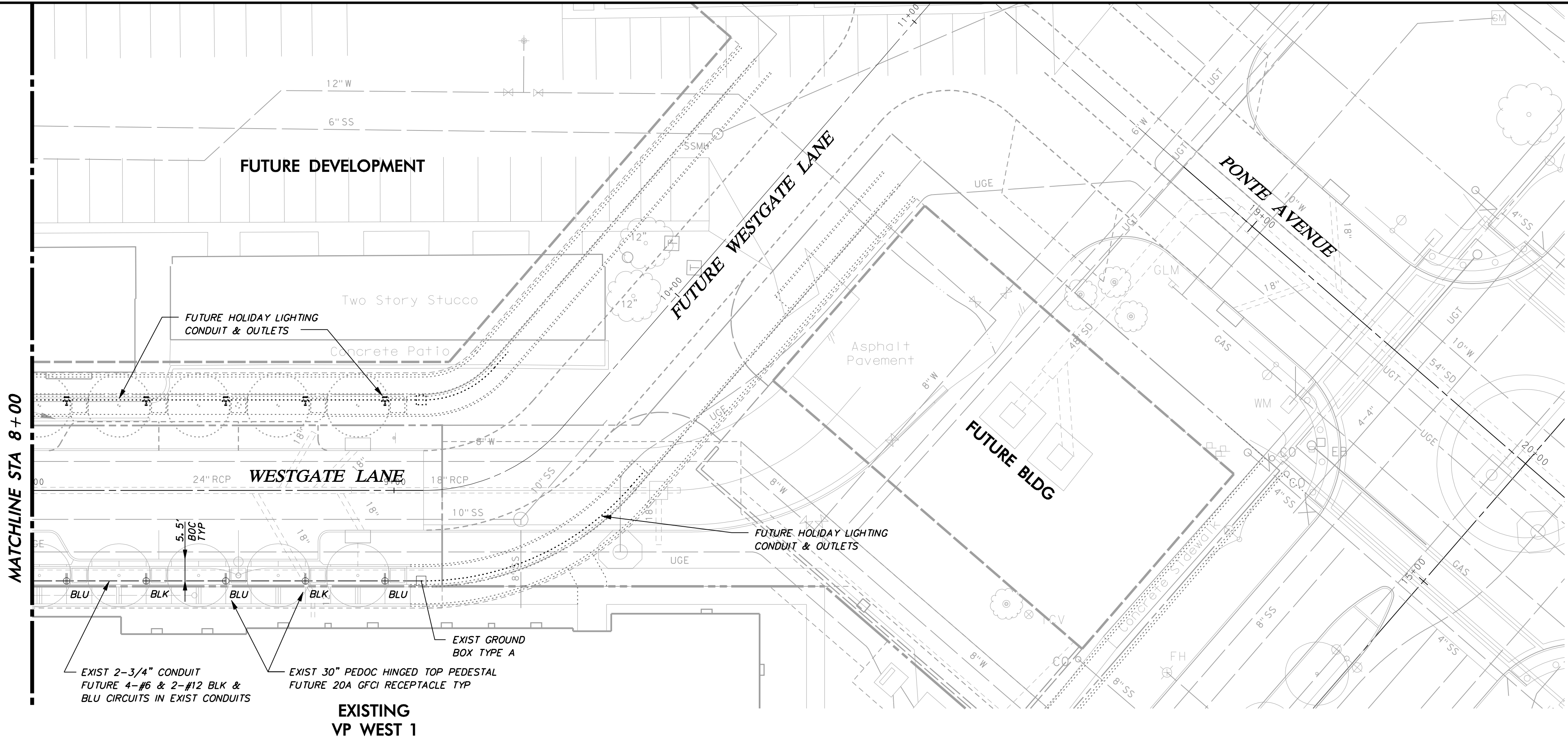
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WV3 STREETSCAPE IMPROVEMENTS
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 WESTGATE LANE - STA 0+00 TO 8+00

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WV3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



LEGEND

	PROPOSED	FUTURE
GROUND BOX	■	□
PVC CONDUIT	—	---
TRANSFORMER ON PAD	* [▲]	
STREET LIGHT - TYPE 1	⊙	⊙
PEDOC OUTLET BOX PEDESTAL	⊕	⊕
30" HEIGHT SINGLE GANG HINGED TOP WITH INTEGRAL BASE		
COLOR: GREEN		
20A GFCI RECEPTACLE		
HUBBLE GFR5362SGW OR EQ		
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MATCHLINE STA 8+00

EXISTING VP WEST 1

EXIST 2-3/4" CONDUIT
FUTURE 4-#6 & 2-#12 BLK & BLU CIRCUITS IN EXIST CONDUITS

EXIST 30" PEDOC HINGED TOP PEDESTAL
FUTURE 20A GFCI RECEPTACLE TYP

EXIST GROUND BOX TYPE A

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VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C			
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NOTES	Sheet No.		
	14		

VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06

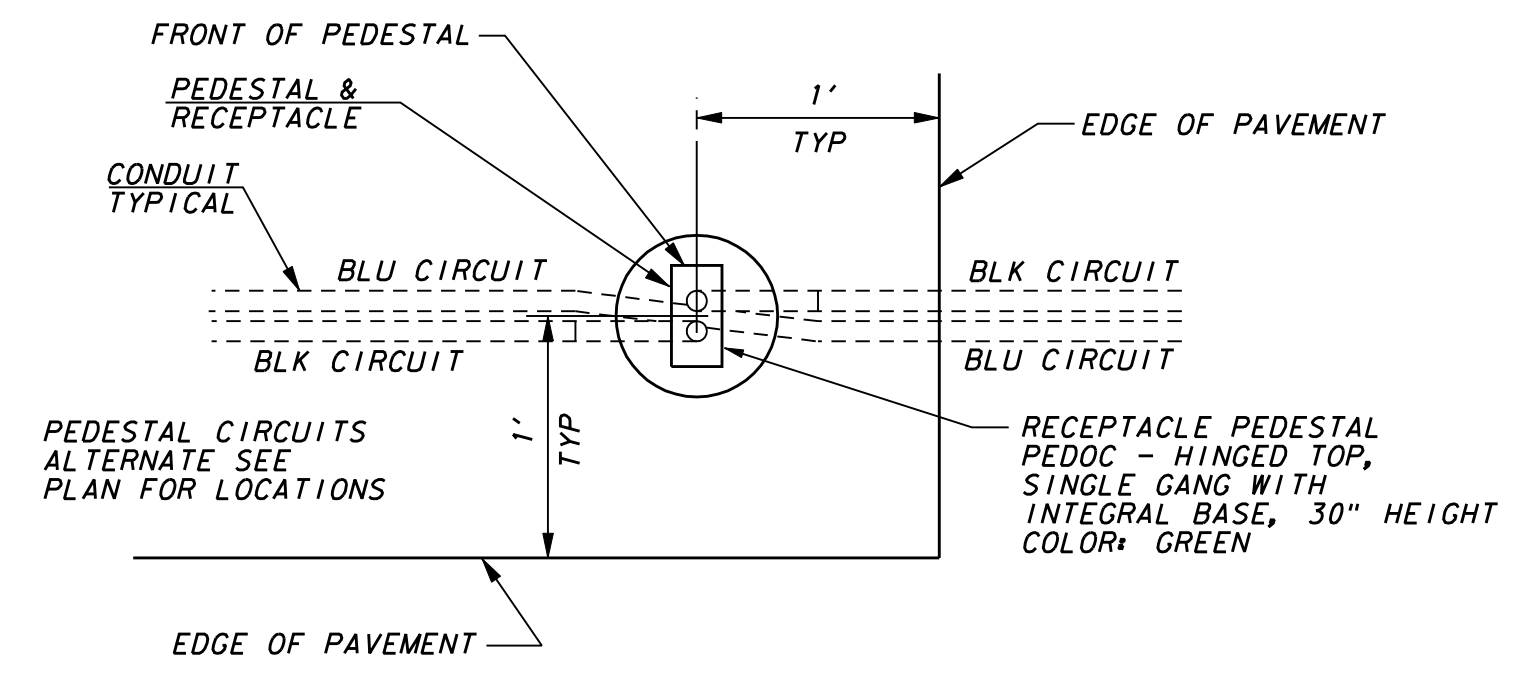
GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRICAL CODE (N.F.P.A. 70), THE 2007 NATIONAL ELECTRIC SAFETY CODE (ANSI C2) AND ALL LOCAL AND STATE CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE BUILDING AND SAFETY CODES AND ORDINANCES, AND THE RULES AND REGULATIONS OF ANY LEGAL BODY HAVING JURISDICTION.
- ALL MATERIAL FURNISHED AND ALL LABOR PERFORMED UNDER THESE CONTRACTS SHALL BE IN STRICT ACCORDANCE WITH THE RULES, REGULATIONS, AND CODES OF NATIONAL, STATE, MUNICIPAL OR ANY OTHER AUTHORITIES THAT MAY HAVE LAWFUL JURISDICTION PERTAINING TO THE WORK SPECIFIED. EACH CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS, LICENSES, AND CERTIFICATES OF APPROVAL AND PAY THEIR FEES TO CARRY OUT HIS WORK.
- CONTRACTOR IS CAUTIONED OF HIS SOLE RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ANY AND ALL BURIED UTILITIES, AND ONLY BY EXERCISE OF DUE CAUTION CAN DAMAGE TO SAID UTILITIES AND ASSOCIATED PROPERTIES, ALONG WITH PERSONNEL INJURY OF LOSS OR LIFE, BE AVOIDED.
- ALL CHANGES OR VARIATIONS NECESSITATED BY UNFORESEEN CONDITIONS SHALL BE VERIFIED WITH ENGINEER BEFORE SUCH CHANGES OR VARIATIONS ARE UNDERTAKEN.
- EACH CONTRACTOR SHALL MAKE HIMSELF & HIS TRADESMEN FAMILIAR WITH THE COMPLETE SET OF DRAWINGS AND SHALL BE PARTICULARLY AWARE OF ANY AND ALL CONFLICTS REGARDING HIS TRADE AND OTHER TRADES OCCUPYING THE SAME AREA, I.E. PIPES, DUCTS, CONDUIT, ETC. WHEN INSTALLING ITEMS OF HIS TRADE EACH CONTRACTOR SHALL CONSULT WITH OTHER TRADES OCCUPYING THE SAME AREA AND THE ENGINEER TO DETERMINE THE BEST SOLUTION TO THE CONFLICT. ALL DECISIONS BY THE ENGINEER SHALL BE FINAL AND BINDING TO ALL PARTIES CONCERNED.
- THE LOCATION OF ALL PIPES, OUTLETS, FIXTURES, ETC. SHOWN ON PLANS IS THE DESIGN INTENT. ANY REVISION OR ADJUSTMENT SHALL BE COORDINATED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE ENGINEER RESERVES THE RIGHT TO MAKE REASONABLE CHANGES TO THE INDICATED LOCATIONS BEFORE WORK IS ROUGHED-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER.
- FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH ACTUAL EQUIPMENT SUPPLIED.
- VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICES (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. AS REQUIRED. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT.
- ALL COST INCURRED BY THE ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY THE CONTRACTOR. PROOF FOR THE EQUALITY OF SUBSTITUTIONS SHALL BE BY THE CONTRACTOR.

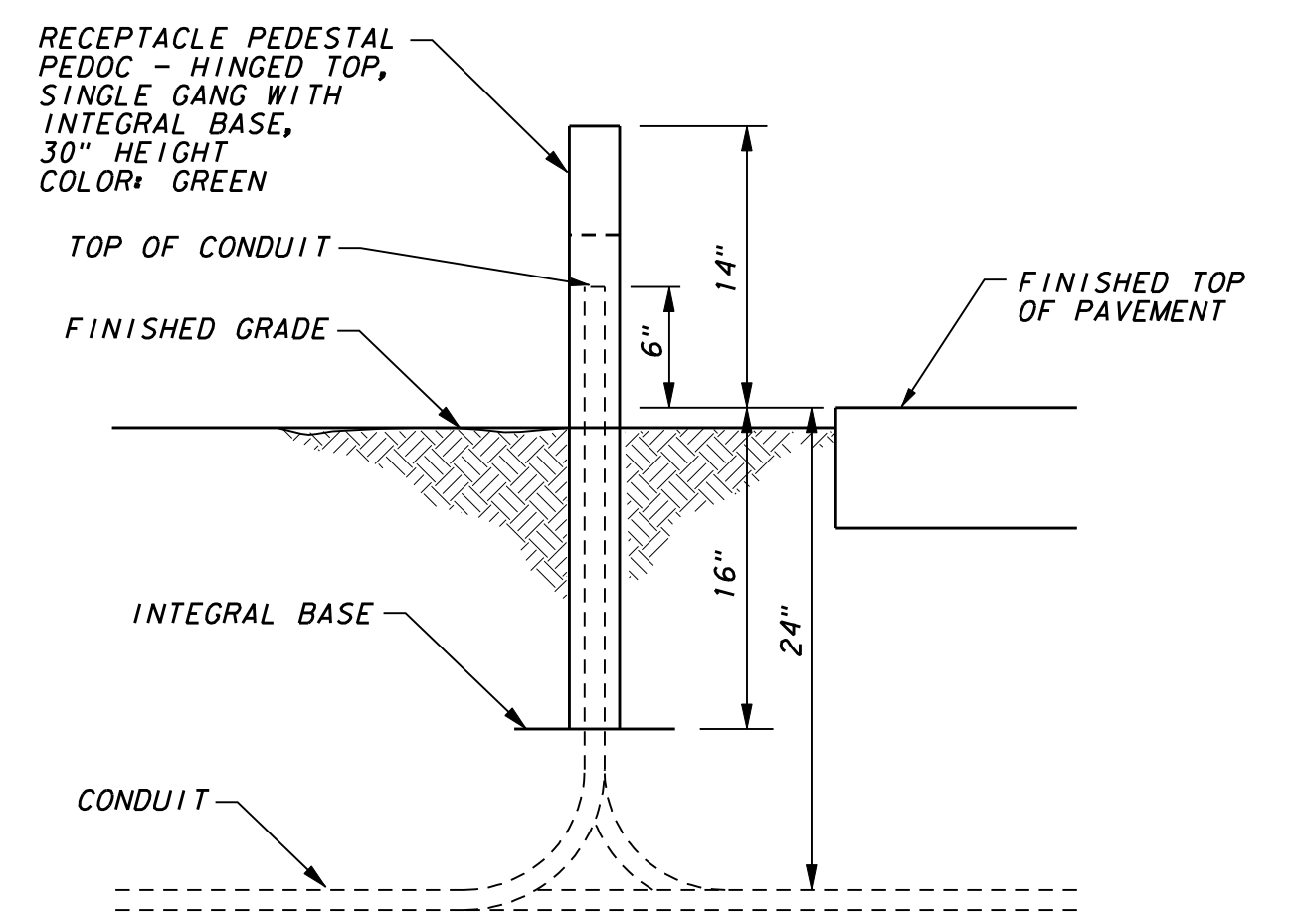
- ALL ELECTRICAL ITEMS SHALL BE U.L. LABELED AND LISTED FOR THEIR SPECIFIC USE.
- THE ELECTRICAL CONTRACTOR SHALL PAY ALL COSTS REQUIRED BY THE LOCAL UTILITY COMPANY PROVIDING SERVICES INDICATED. ELECTRICAL CONTRACTOR SHALL COORDINATE METERING, TRANSFORMER PAD, CONNECTION POINTS AND GROUNDING WITH UTILITY COMPANY.
- ALL SERVICE ENTRANCE EQUIPMENT, INCLUDING BUT NOT LIMITED TO ANY MAIN DISCONNECT SWITCH, PANEL, OR SWITCHBOARD, SHALL BE LISTED AND LABELED AS "SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT."
- THE ELECTRICAL SYSTEMS SHALL BE SOLIDLY GROUNDING. ALL NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM, I.E., RACEWAYS, EQUIPMENT ENCLOSURES, FRAMES, JUNCTION AND OUTLET BOXES AND OTHER CONDUCTIVE ITEMS IN CLOSE PROXIMITY WITH ELECTRICAL CIRCUITS, SHALL BE GROUNDING TO PROVIDE A LOW IMPEDANCE PATH FOR POTENTIAL GROUND FAULTS.
- EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS AND CABLES.
- THE NEUTRAL AND GROUND BUS SHALL BE BONDED TOGETHER AT ALL SERVICE EQUIPEMENT.
- CONDUIT SHALL BE RUN PARALLEL OR AT RIGHT ANGLES TO WALLS, CEILINGS, AND STRUCTURAL MEMBERS.
- ALL RACEWAYS SHALL BE INSTALLED CONCEALED EXCEPT IN UNFINISHED SPACES WHERE INDICATED ON DRAWINGS.
- ALL EMPTY CONDUITS SHALL BE EQUIPPED WITH A PULL LINE-200 LB TEST NYLON.
- OPEN TRENCHES SHALL BE PROTECTED AND SUPERVISED AT ALL TIMES.
- SELECT GRANULAR STRUCTURAL BACKFILL IS REQUIRED AROUND, AND 12" ABOVE, ALL CONDUIT.
- ELECTRICAL "WARNING TAPE" SHALL BE INSTALLED IN ALL TRENCHES 12" ABOVE HIGHEST CONDUIT.
- FASTENERS AND SUPPORTS SHALL BE AS MANUFACTURED BY GEDNEY, EFCOR OR EQUAL. SUPPORTING DEVICES SHALL BE THOSE AS MANUFACTURED FOR A SPECIFIC PURPOSE. NAILS, WIRE OR PIPE STRAP SHALL NOT BE USED.
- ALL CIRCUIT CONDUCTORS SHALL BE COPPER, 90°C, XHHW-2 INSULATION.
- WIRE NO. 8 AWG AND LARGER SHALL BE STRANDED, NO. 10 AND SMALLER SHALL BE SOLID. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12.

- ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS, NO. 8 AWG AND SMALLER, SHALL BE COLOR CODED AS FOLLOWS (WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION):

<u>120/208 VOLT SYSTEM</u>	<u>120/240 VOLT SYSTEM</u>
PHASE A - BLACK	LINE 1 - BLACK
PHASE B - RED	LINE 2 - BLUE
PHASE C - BLUE	NEUTRAL - WHITE
NEUTRAL - WHITE	GROUND - GREEN
GROUND - GREEN	
- CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT, TRANSFORMER SIZE, AND SERVICE CONDUCTOR FROM ELECTRIC POWER UTILITY BEFORE ORDERING BREAKERS.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE MOTOR UNIT LOADS BEFORE ORDERING BREAKERS.
- PANELBOARDS SHALL HAVE BOLT-IN CIRCUIT BREAKERS AND ALUMINUM BUSSING.
- OVERCURRENT PROTECTIVE DEVICES SHALL BE AUTOMATIC TRIP THERMAL MAGNETIC TYPE WITH QUICK-MAKE, QUICK-BREAK FOR BOTH MANUAL AND AUTOMATIC OPERATIONS. ALL MULTIPOLE BREAKERS SHALL BE COMMON TRIP; HANDLE TIES WILL NOT BE ACCEPTED.
- SWITCHBOARDS, DISTRIBUTION BOARDS, PANELBOARDS, DISCONNECT SWITCHES AND MOTOR CONTROL CENTERS SHALL BE MANUFACTURED BY SQUARE 'D', GENERAL ELECTRIC, SIEMENS, OR EATON/CUTLER HAMMER.
- TYPEWRITTEN PANELBOARD SCHEDULES AND DESIGNATION PLATES SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL PANELBOARDS. PANELBOARD DESIGNATIONS SHALL BE PHENOLIC-ENGRAVED.
- WIRE TERMINATION PROVISIONS FOR PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES AND ALL OTHER ELECTRICAL APPARATUS SHALL BE LISTED AS SUITABLE FOR 75°C MINIMUM.
- SAFETY-TYPE DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH QUICK-MAKE, QUICK-BREAK MECHANISM WITH INTERLOCKING COVER WHICH NORMALLY CANNOT BE OPENED WHEN THE SWITCH IS IN THE 'ON' POSITION. SWITCH SHALL HAVE PROVISIONS FOR PAD-LOCKING IN THE OPEN OR CLOSED POSITION. FUSIBLE DISCONNECT SWITCHES SHALL HAVE REJECTION-TYPE FUSEHOLDERS. FUSES SHALL BE NON-RENEWABLE, DUAL ELEMENT TIME-DELAY 'RK1' OR 'RK5', OR AS SPECIFIED OTHERWISE. ACCEPTABLE MANUFACTURERS: SQUARE 'D', GENERAL ELECTRIC, SIEMENS, OR EATON/CUTLER HAMMER.
- UNLESS INDICATED ON DRAWINGS, BALLASTS PROVIDED WITH FIXTURES SHALL BE ETL-CBM APPROVED, HIGH POWER FACTOR, WITH U.L. LABEL. ALL BALLASTS FOR RAPID START LAMPS SHALL BE PREMIUM CLASS P.
- ALL FIXTURES TO BE FURNISHED COMPLETE WITH LAMPS.
- UNLESS OTHERWISE NOTED, DUPLEX RECEPTACLES SHALL BE RATED 20 AMP, HUBBELL CR5362 OR APPROVED EQUAL.
- UNLESS OTHERWISE NOTED, TOGGLE SWITCHES SHALL BE 20 AMP, HUBBELL CS1221 OR APPROVED EQUAL.



TYPICAL LOCATION RECEPTACLE PEDESTAL
NOT TO SCALE



TYPICAL PEDESTAL SECTION
NOT TO SCALE

Panel Schedule		Single Phase		Date: 6/27/2016								
Project: Marsh Lane & Westgate Lane - Vitruvian Park Block 200												
Panel Name:	MW Pedestal	Volts<L-G>:	240	Main Bkr:	200 Amps							
Mfg:		Volts<L-G>:	120	Main Lugs:	Amps							
Model:		Phase:	1	Panel AIC:	22,000 Amps							
Description:		Wires:	3	Neutral Bar:	Y / N							
Location:	I	"I" = Indoor, "O" = Outdoor		Ground Bar:	Y / N							
Breaker Mounting:	S	"S" = Standard, "B" = Bolt-In										
Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves	Load VA	Pos. No.	Bkr No.	Trip Amps	No. Bkr Poles	Serves		
1	60		2	Lighting Contactor 1	< 5760	2			2	Space		
					1920 >							
3	60			Lighting Contactor 1	< 5760	4				Space		
					1920 >							
5	60		2	Contactor 2	< 5760	6	20		1	Irrigation Controller		
					1920 >							
7	60			Contactor 2	< 5760	8	20		1	Pedestal Duplex Outlet		
					1920 >							
9			1	Space	< 1920	10	20		1	Spare		
					1920 >							
11			1	Space	< 1920							
					1920 >							
CONTRACTOR 2 FEED SUB-PANEL												
1			20	1	W SE Black Tree Outlets	< 1200			2	20	1	W SE Blue Tree Outlets
						1200 >						
3			20	1	FUT W NE Black Tree Outlets	< 1200			4	20	1	FUT W NE Blue Tree Outlets
						1200 >						
5			20	1	FUT Black Tree Outlets	< 1600			6	20	1	FUT Blue Tree Outlets
						1600 >						
7			20	1	FUT Black Tree Outlets	< 1600			8	20	1	FUT Blue Tree Outlets
						1600 >						
Connected VA per Leg =						19200	19200					
Total Amps per Leg =						160	160					

EXISTING MW PEDESTAL PANEL SCHEDULE



NO.	REVISION	BY	DATE

icon Consulting Engineers, Inc. 2840 W. Southlake Blvd., Suite 110
Civil Engineers - Designers - Planners Southlake, TX 76092 (817) 552-6210
Engineering Firm Registration Number F-9007

VW3 STREETSCAPE IMPROVEMENTS

VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C

TOWN OF ADDISON, TEXAS

HOLIDAY LIGHT DETAILS

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06

GENERAL NOTES:

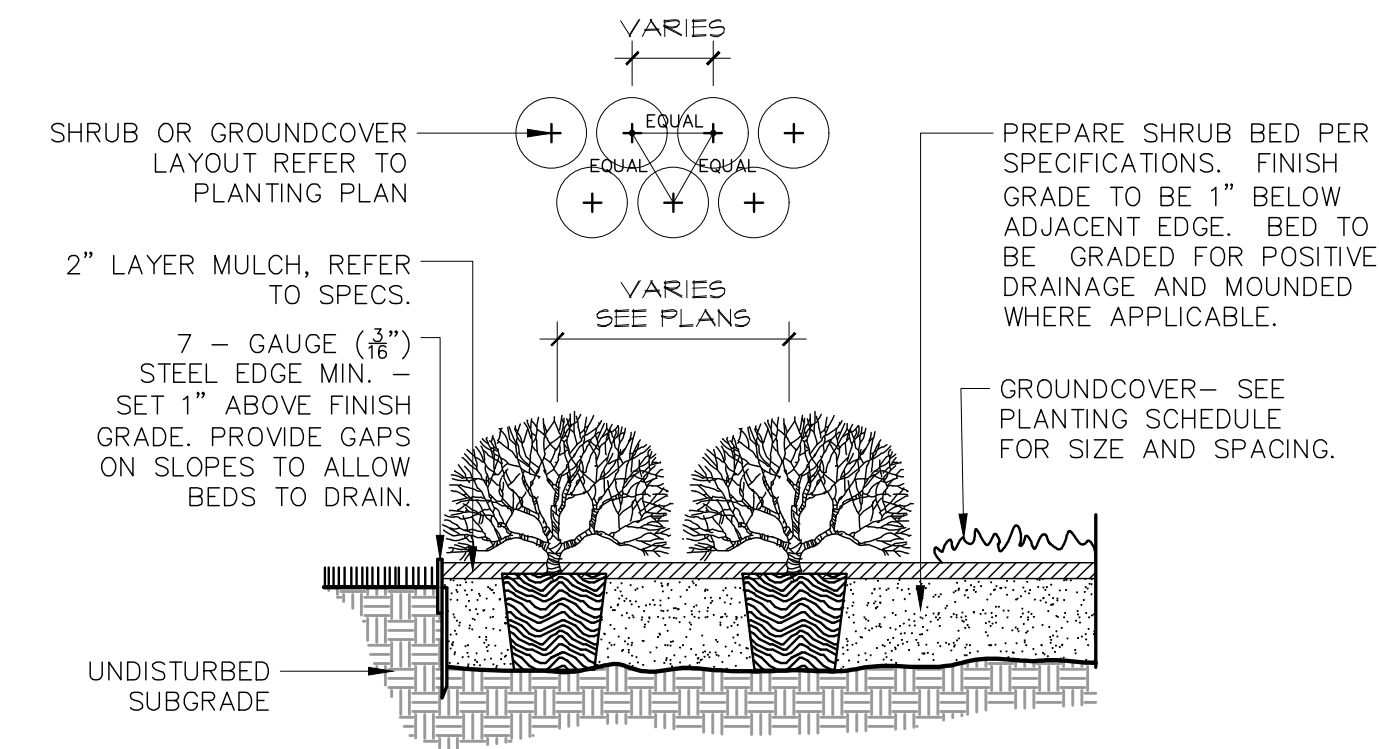
1. WARNING!!!!!! CALL BEFORE YOU DIG!!!!!! TOLL FREE 811
2. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
3. THE CONTRACTOR BEARS ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY NOT SHOWN ON PLANS.
4. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
5. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNER'S SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
6. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY LANDSCAPE ARCHITECT ARE PROVIDED FOR CONVENIENCE ONLY CONTRACTORS ARE TO BID THEIR OWN VERIFIED QUANTITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
7. EASEMENTS SETBACKS, BUILDING, CURB AND GUTTER, UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL ENGINEERS DRAWINGS FOR ADDITIONAL INFORMATION.
8. STUDIO OUTSIDE ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITIES, OR COST RESULTING FROM CHANGES OR ALTERATIONS MADE TO THE PLAN WITHOUT THE EXPRESS WRITTEN CONSENT OF STUDIO OUTSIDE.

PLANTING NOTES:

1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
3. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
5. FINAL FINISH GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING.
6. ALL PLANT QUANTITIES LISTED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE AND VERIFY ALL QUANTITIES.
7. LANDSCAPE CONTRACTOR TO PROVIDE STEEL EDGING (REFER TO MATERIALS PAGE) BETWEEN ALL PLANTING BEDS AND LAWN AREAS.
8. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK. LATEST EDITION AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ANY PLANT SUBSTITUTION SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE.
9. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTOR'S ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
10. ALL NEW PLANTING AREAS TO BE AMENDED PER SPECIFICATIONS.
11. ANY PLANT MATERIAL THAT DOES NOT SURVIVE SHALL BE REPLACED WITH AN EQUIVALENT SIZE AND SPECIES WITHIN THIRTY (30) DAYS.
12. PLANT MATERIAL SHALL BE PRUNED AS NECESSARY TO CONTROL SIZE BUT NOT TO DISRUPT THE NATURAL GROWTH PATTERN OR CHARACTERISTIC FORM OF THE PLANT EXCEPT AS NECESSARY TO ACHIEVE HEIGHT CLEARANCE FOR VISIBILITY AND PEDESTRIAN PASSAGE OR TO ACHIEVE A CONTINUOUS OPAQUE HEDGE IF REQUIRED.
13. LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH, WEEDS, DEBRIS, AND DEAD PLANT MATERIAL
14. ALL LIME STABILIZED SOIL & INORGANIC SELECT FILL MUST BE REMOVED FROM PLANTING AREAS TO A DEPTH OF 24" & REPLACED WITH ORGANIC IMPORTED TOPSOIL FILL. IMPORTED TOPSOIL MUST BE CLEAN, FRIABLE & NATIVE TO THE AREA.
15. REFER TO SPECIFICATIONS FOR BED PREPARATION REQUIREMENTS.
16. LANDSCAPING MUST NOT BE INSTALLED UNTIL AUTOMATIC IRRIGATION SYSTEM IS FULLY OPERATIONAL.
17. TREES SHOULD NOT BE DELIVERED TO THE SITE UNLESS THEY CAN PLANTED THE SAME DAY.

PLANT SCHEDULE

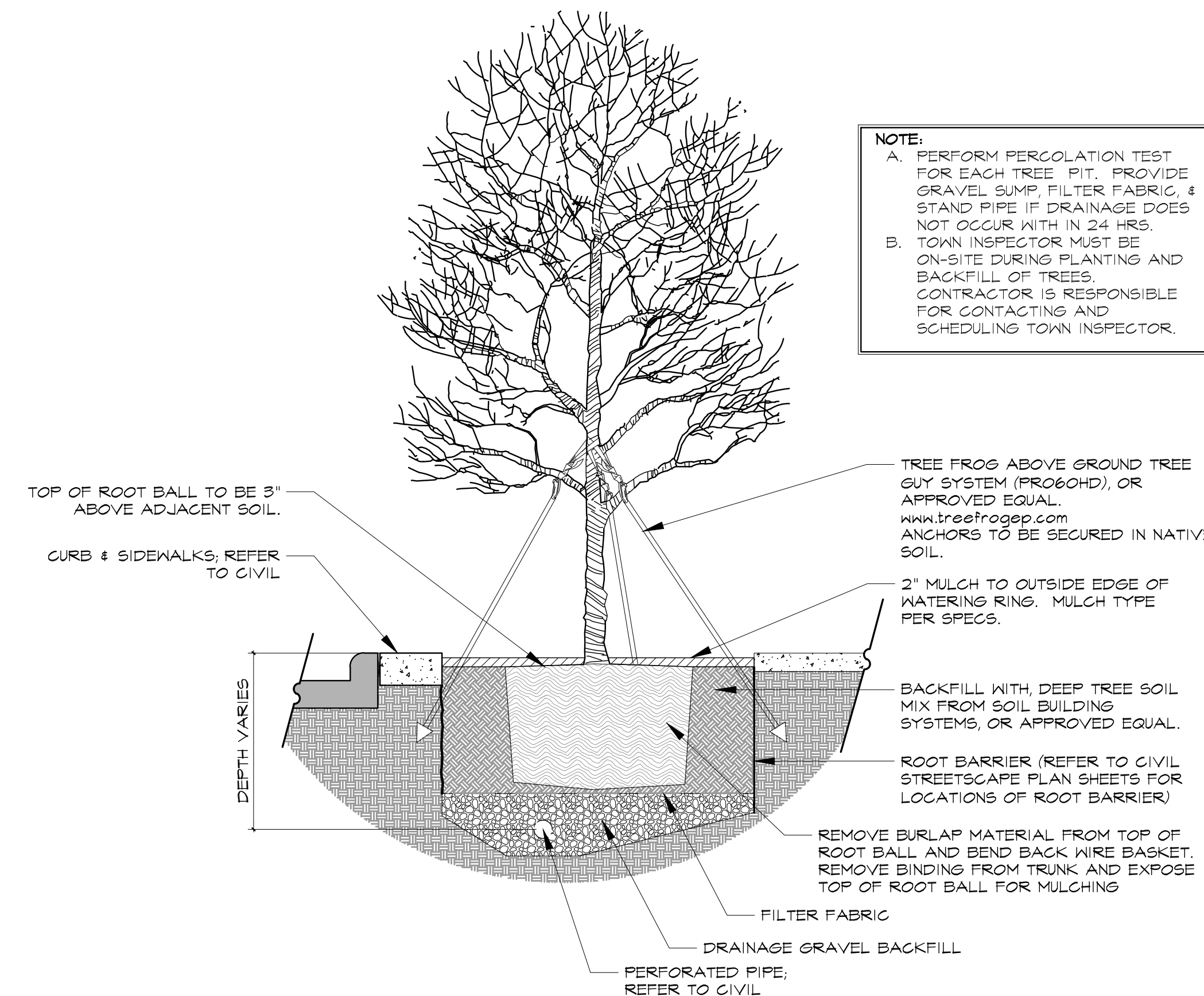
PLANT QUANTITY	PLANT ID	COMMON NAME BOTANICAL NAME	SIZE MIN.	HEIGHT MIN.	SPREAD MIN.	COMMENTS
TREES						
10	○	HIGHRISE or CATHEDRAL LIVE OAK <i>Quercus virginiana</i> 'Highrise' or <i>Quercus virginiana</i> 'SDLN'	6" CAL.	16'-18'	8'-10'	NURSERY GROWN, STRAIGHT LEADER, FULL AND WELL ROOTED Do not intermix cultivars! Purchase either Highrise or Cathedral
GROUNDCOVERS						
820 sf	☼	LIRIOPE <i>Liriope muscari</i>	1 GAL.	6"	12"	NURSERY GROWN, FULL AND WELL ROOTED PLANT. PLANT SPACING 12" O.C.
2280 sf	☼	BERMUDA <i>Cynodon dactylon</i>	SOD	-	-	NURSERY GROWN, FULL AND WELL ROOTED PLANT. WEED FREE AND NO BROWN SPOTS



Shrubs & Groundcover

B

Scale: 1/2" = 1' - 0"

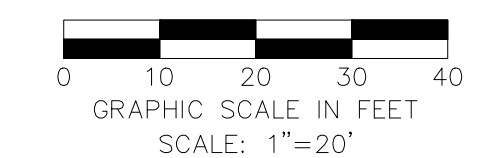


Ball and Burlap Canopy Tree 6" Caliper or Smaller (planted in ROW)

A

SCALE: 1/2" = 1'-0"

NOTE:
A. PERFORM PERCOLATION TEST FOR EACH TREE PIT. PROVIDE GRAVEL SUMP, FILTER FABRIC, & STAND PIPE IF DRAINAGE DOES NOT OCCUR WITH IN 24 HRS.
B. TOWN INSPECTOR MUST BE ON-SITE DURING PLANTING AND BACKFILL OF TREES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND SCHEDULING TOWN INSPECTOR.



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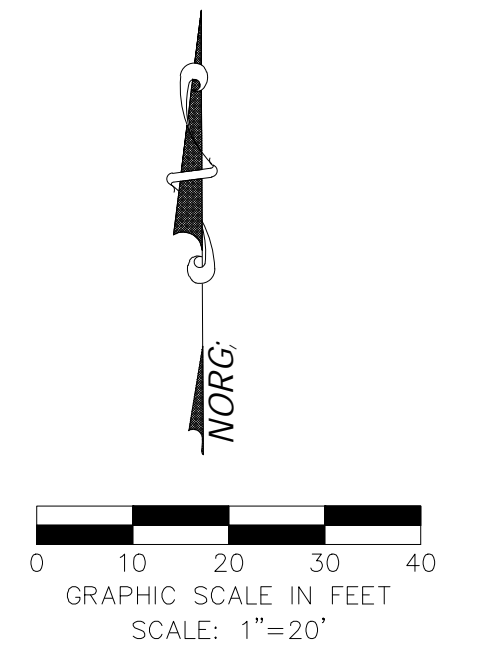
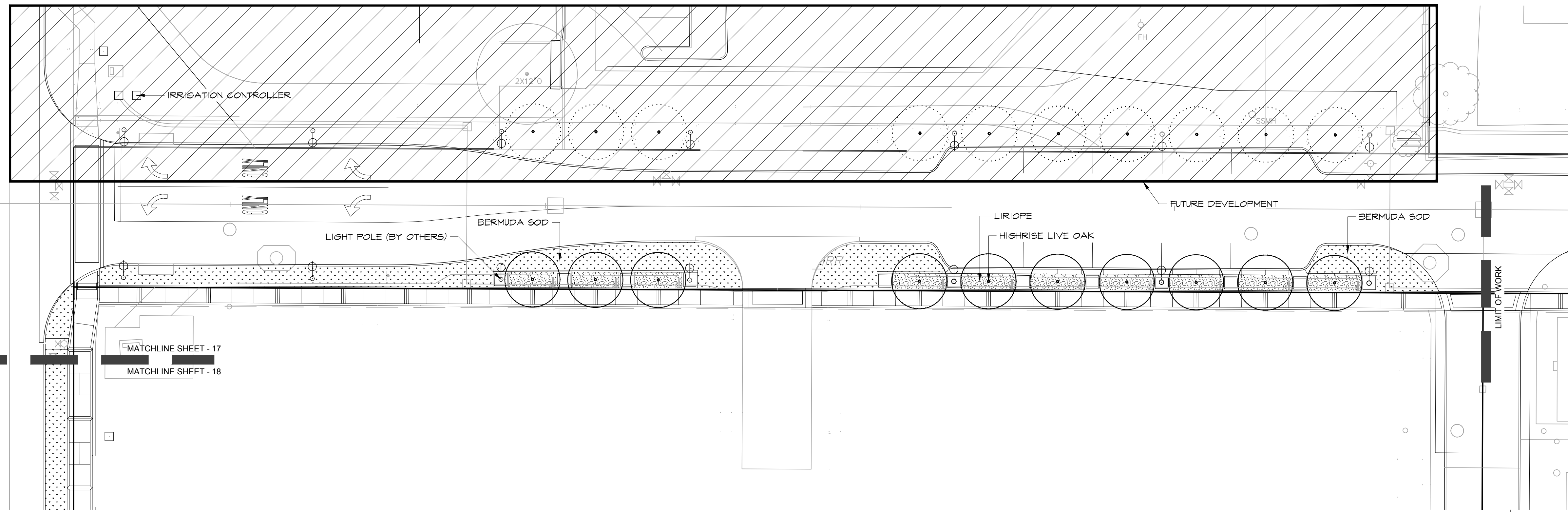
VW3 STREETSCAPE IMPROVEMENTS

VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C

TOWN OF ADDISON, TEXAS

LANDSCAPE LEGEND & DETAILS

DESIGN	DRAWN	DATE	SCALE	NOTES	Sheet No.
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VW3 STREETSCAPE IMPROVEMENTS
 VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
 TOWN OF ADDISON, TEXAS

LANDSCAPE PLAN
 WESTGATE LANE

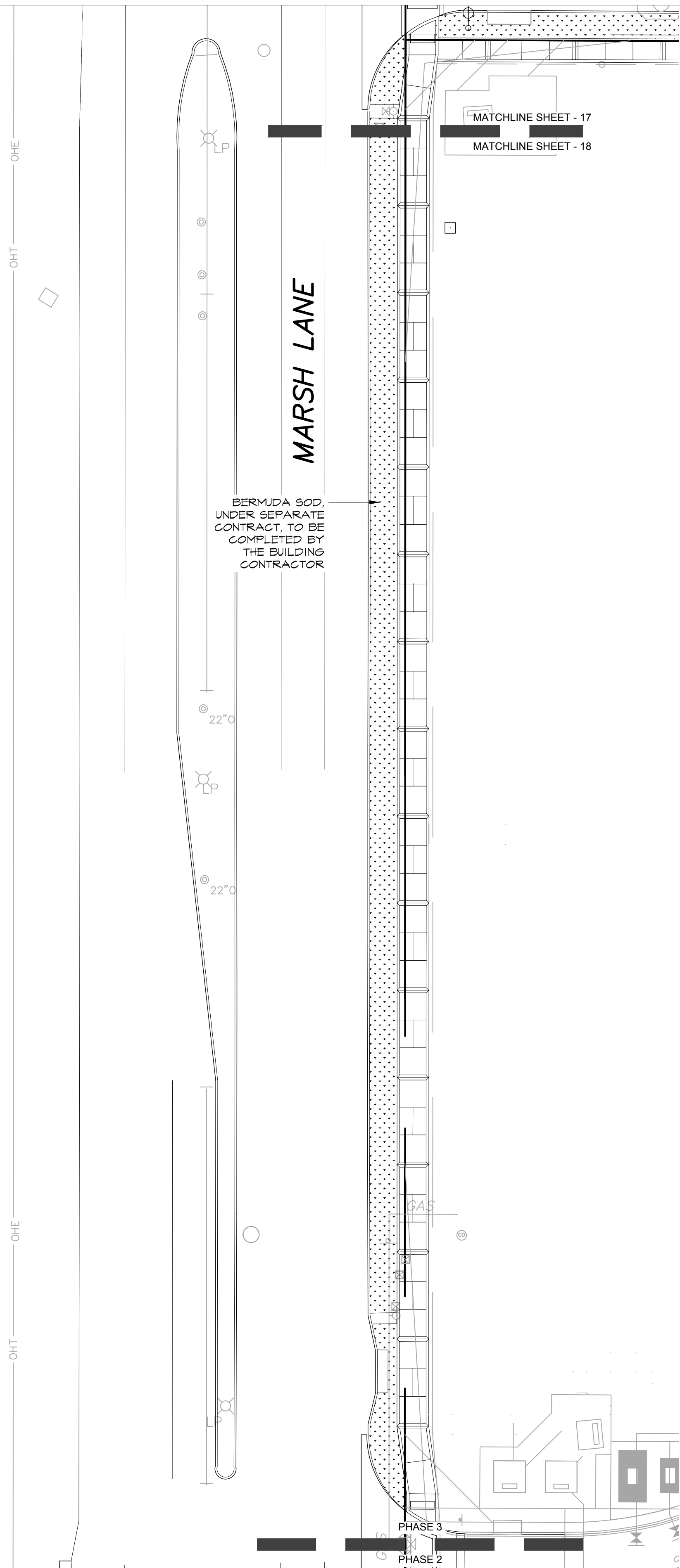
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Landscape Plan - Westgate Lane

A

Scale: 1"=20'

VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



BERMUDA SOD,
UNDER SEPARATE
CONTRACT, TO BE
COMPLETED BY
THE BUILDING
CONTRACTOR

MATCHLINE SHEET - 17
MATCHLINE SHEET - 18

MARSH LANE

22'0"

22'0"

GAS

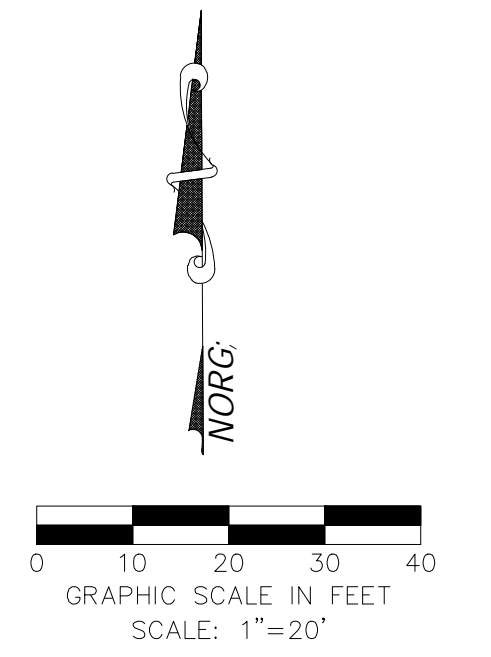
PHASE 3

PHASE 2

Landscape Plan - Marsh Lane

A

Scale: 1"=20'



NO.	REVISION	BY	DATE

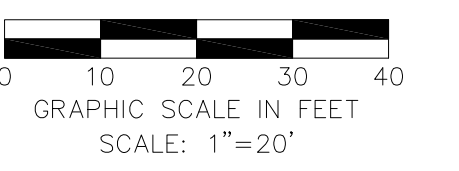
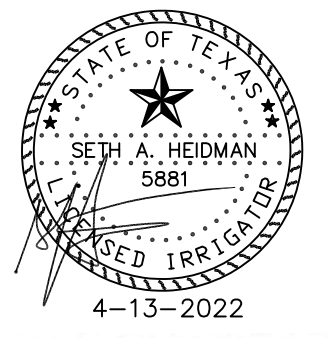
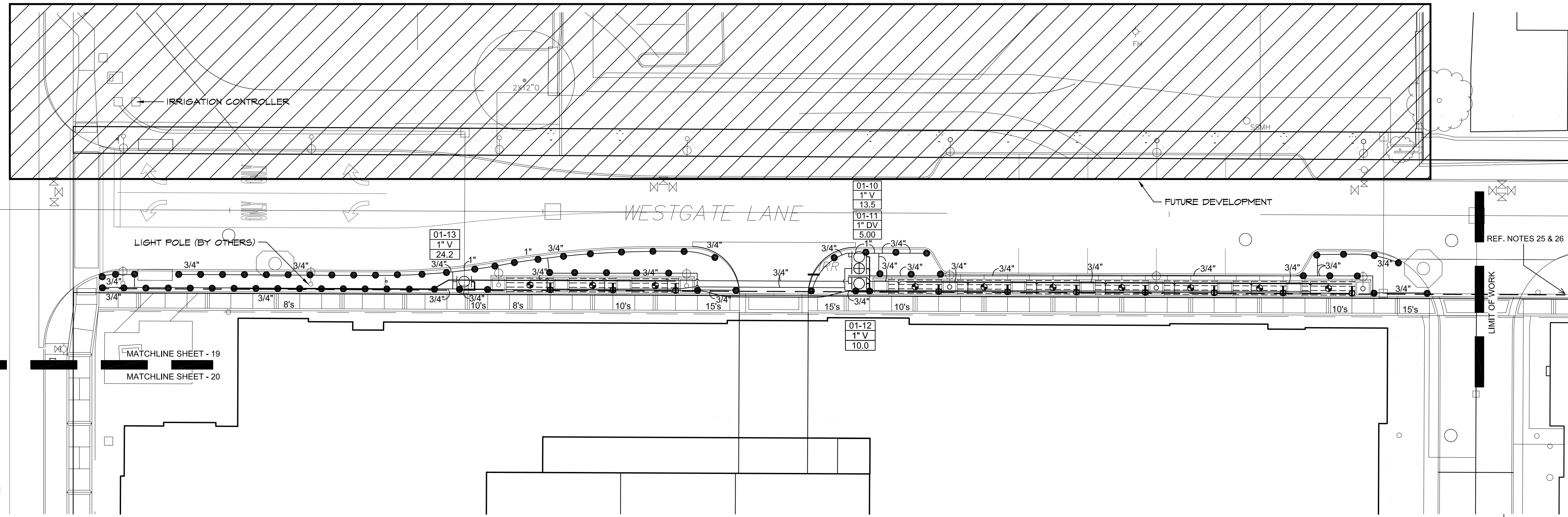
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VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

LANDSCAPE PLAN
MARSH LANE

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VW3 STREETSCAPE - VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



SETH HEIDMAN
IRRIGATION DESIGN & CONSULTING, LLC
1007 W. PARKER RD. #100-201, FORT WORTH, TEXAS 76104-5144

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VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

IRRIGATION PLAN
WESTGATE LANE

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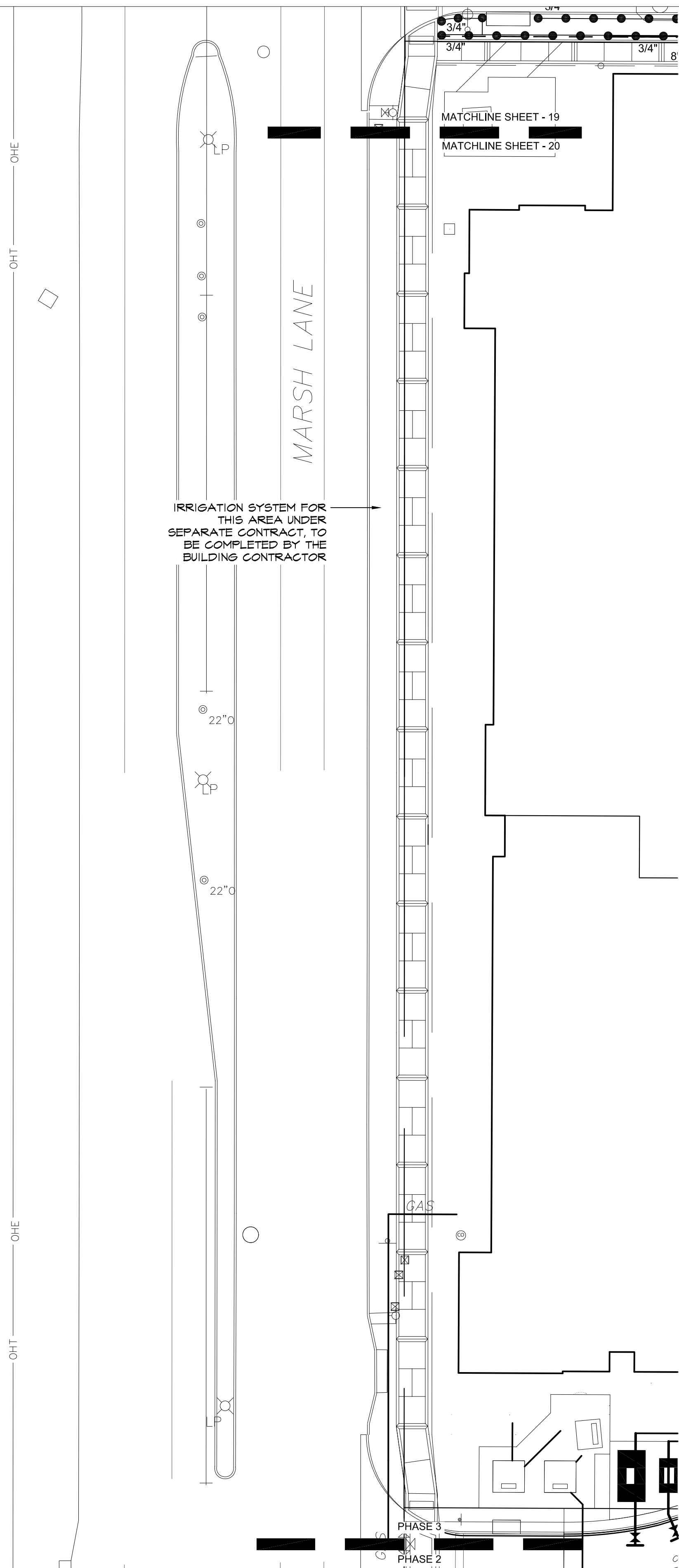
Irrigation Plan - Westgate Lane

A

Scale: 1"=20'

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), MC-578, P.O. Box 13887, Austin, Texas, 78711-3887. TCEQ website is: www.tceq.texas.gov

VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06



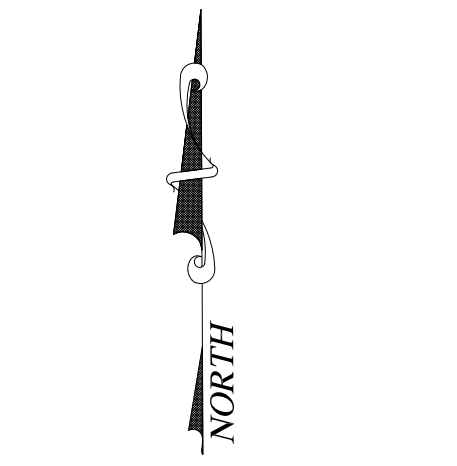
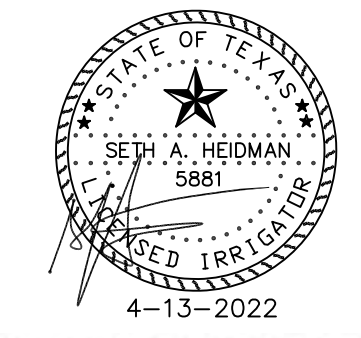
IRRIGATION SYSTEM FOR THIS AREA UNDER SEPARATE CONTRACT, TO BE COMPLETED BY THE BUILDING CONTRACTOR

MARSH LANE

Irrigation Plan - Marsh Lane

A

Scale: 1"=20'



SETH HEIDMAN
IRRIGATION DESIGN & CONSULTING, LLC
1607 W. PARKER RD. #100-201, FORT WORTH, TEXAS 76104
TEL: 817-854-5144

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VW3 STREETSCAPE IMPROVEMENTS

VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C

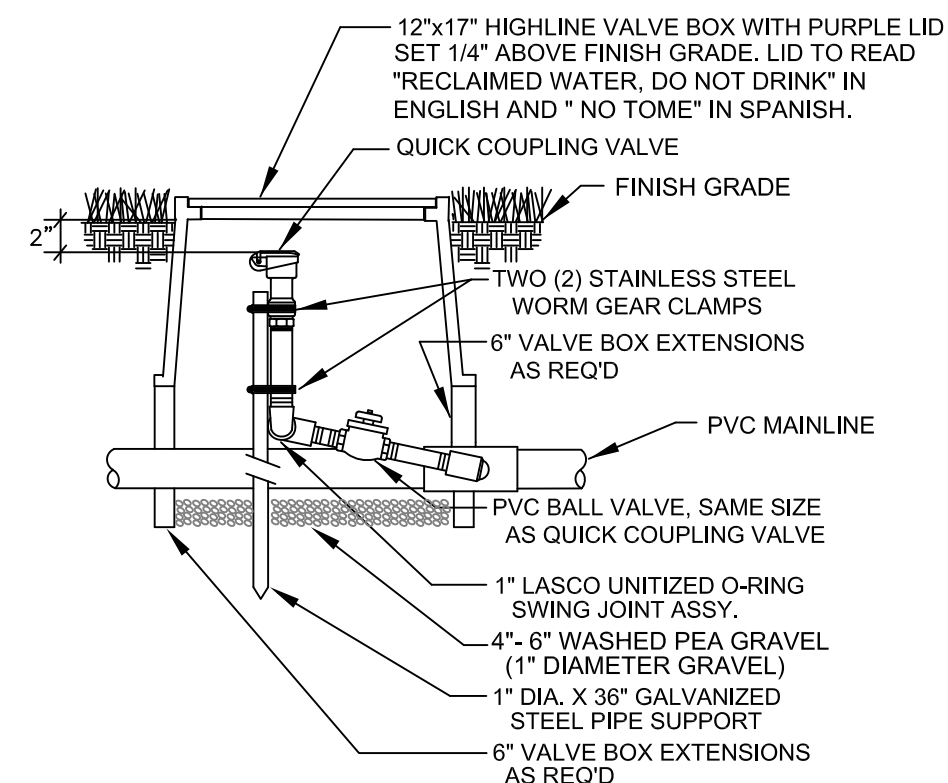
TOWN OF ADDISON, TEXAS

IRRIGATION PLAN

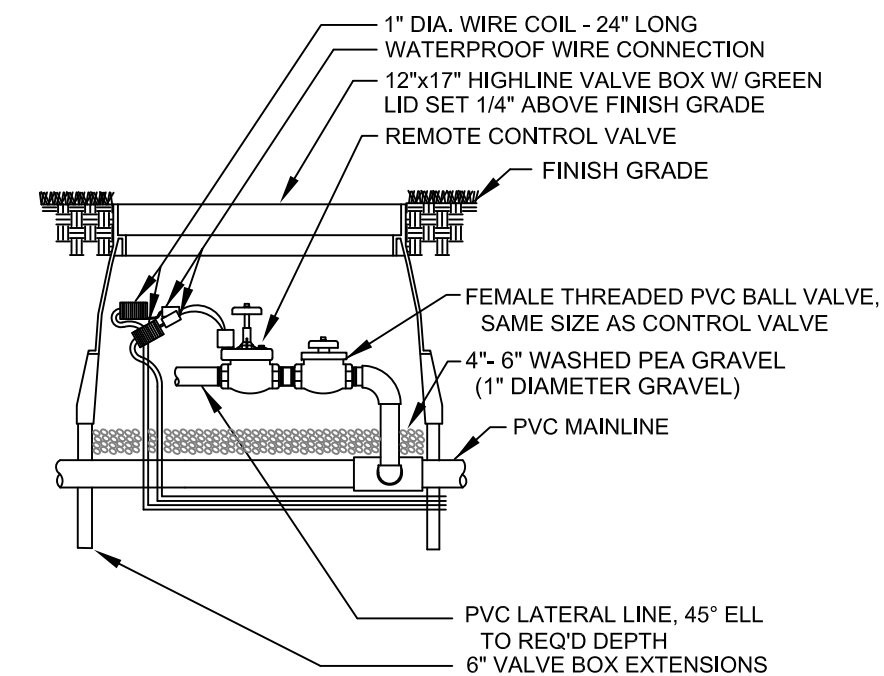
MARSH LANE

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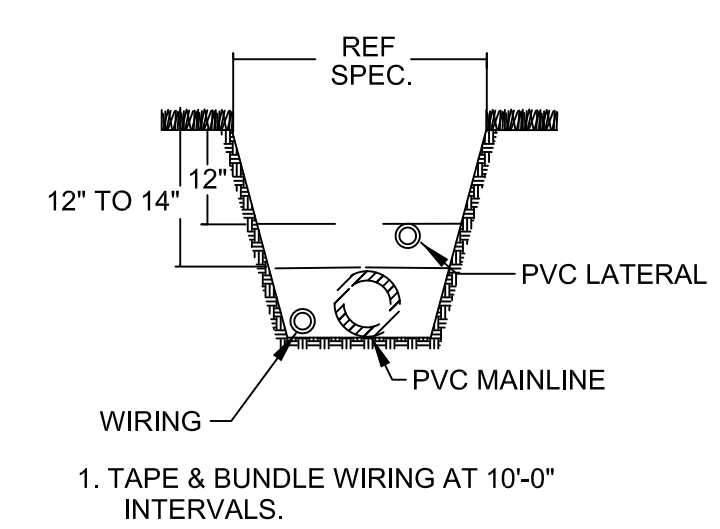


QUICK COUPLING VALVE W/ BALL VALVE
NOT TO SCALE © SHDC

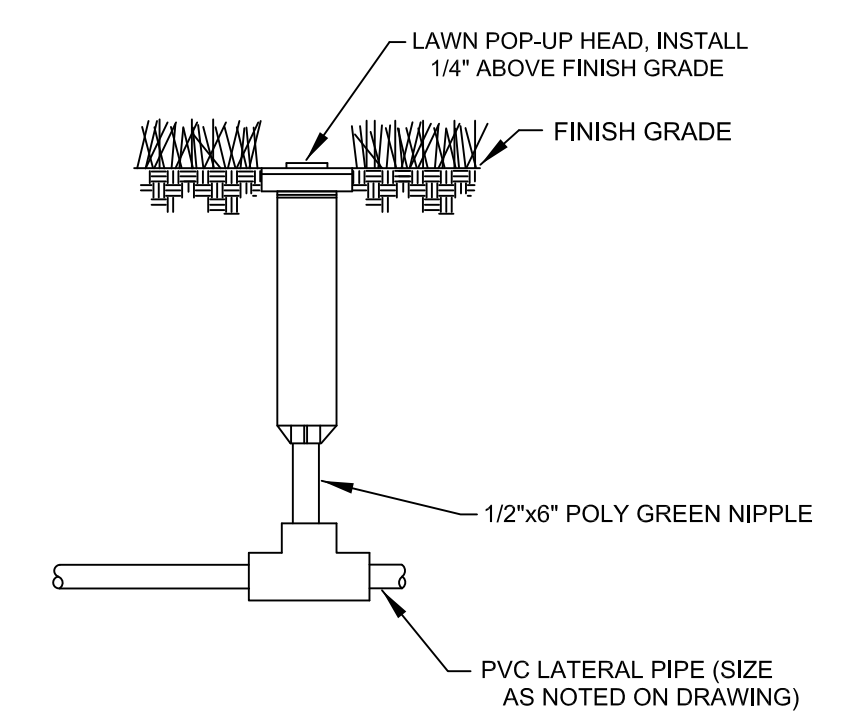


REMOTE CONTROL VALVE W/ BALL VALVE
NOT TO SCALE © SHDC

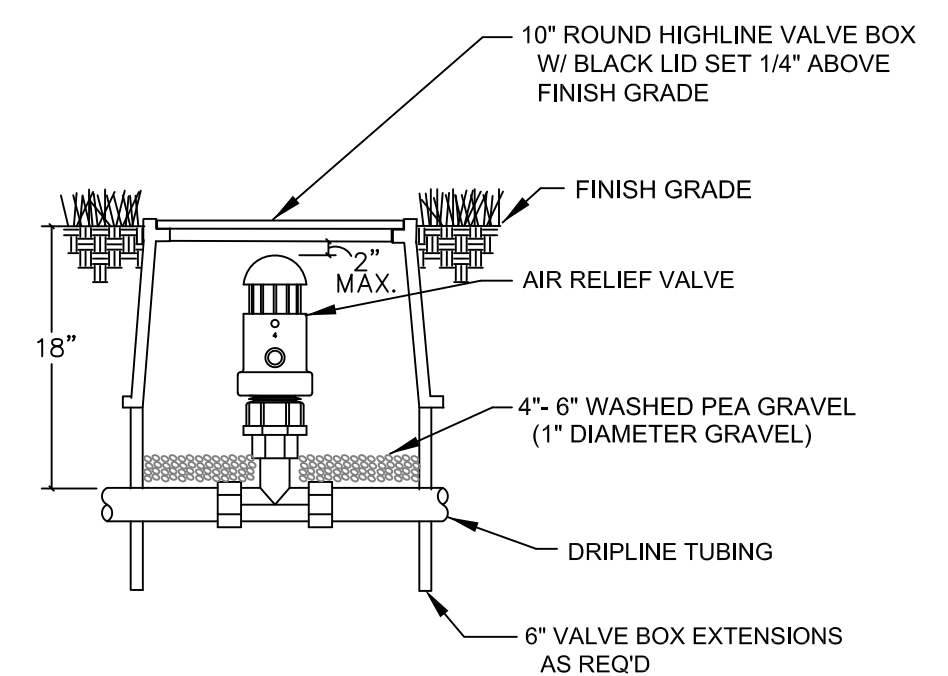
MAINLINE, LATERAL, AND WIRING



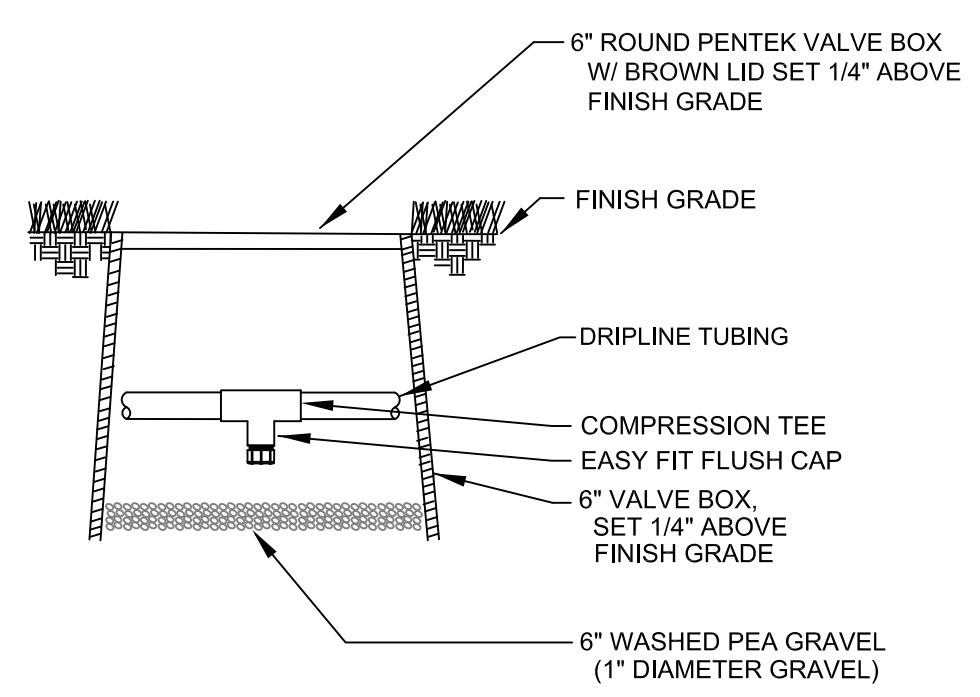
TRENCHING DETAIL
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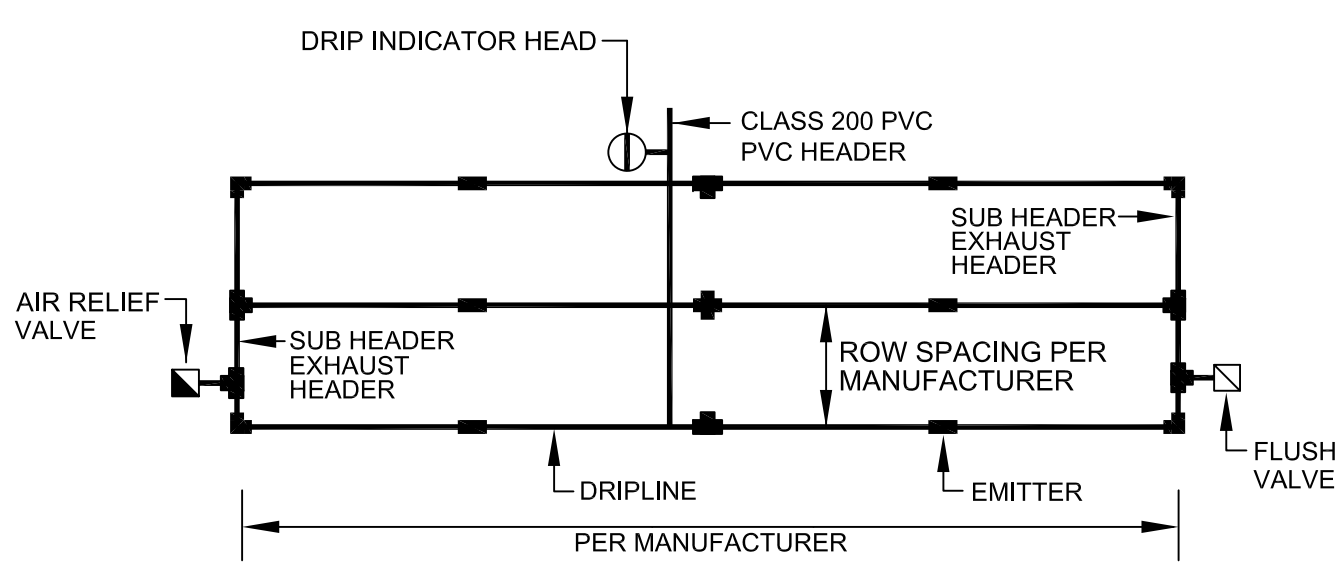
LAWN SPRAY HEAD
NOT TO SCALE © SHDC



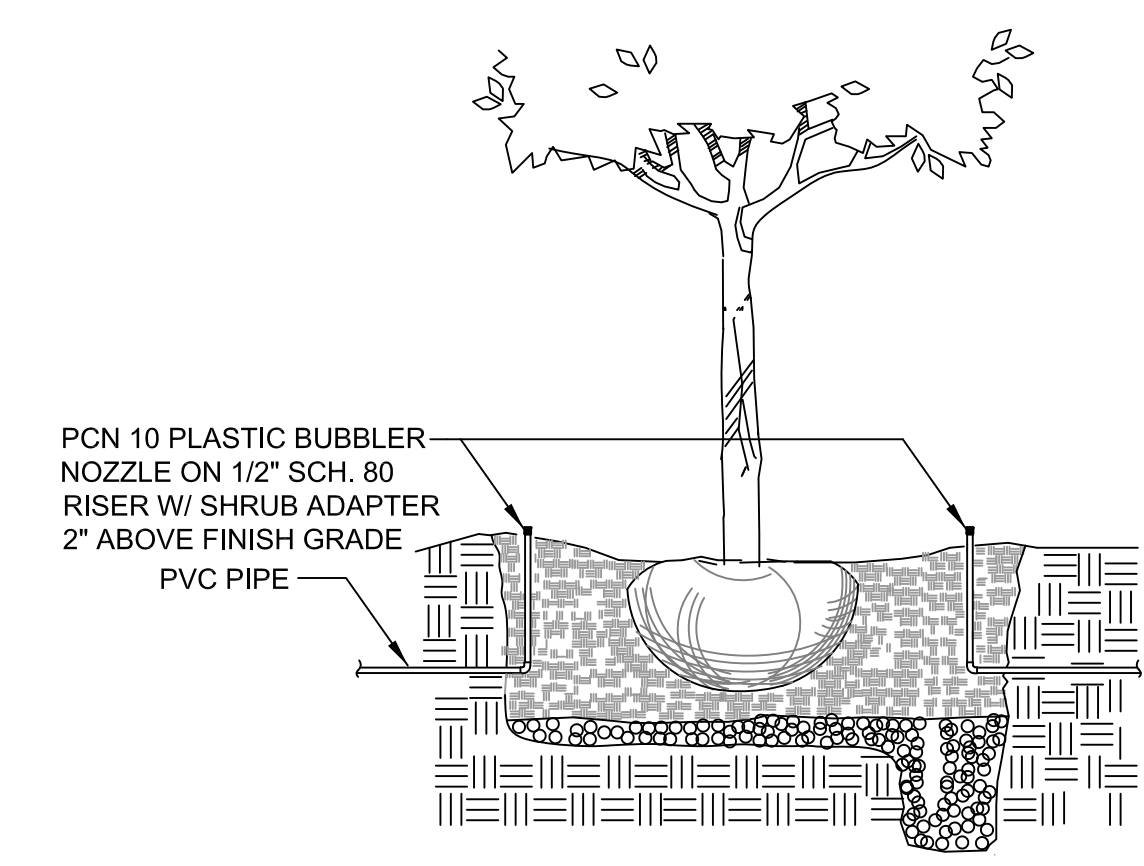
AIR RELIEF VALVE
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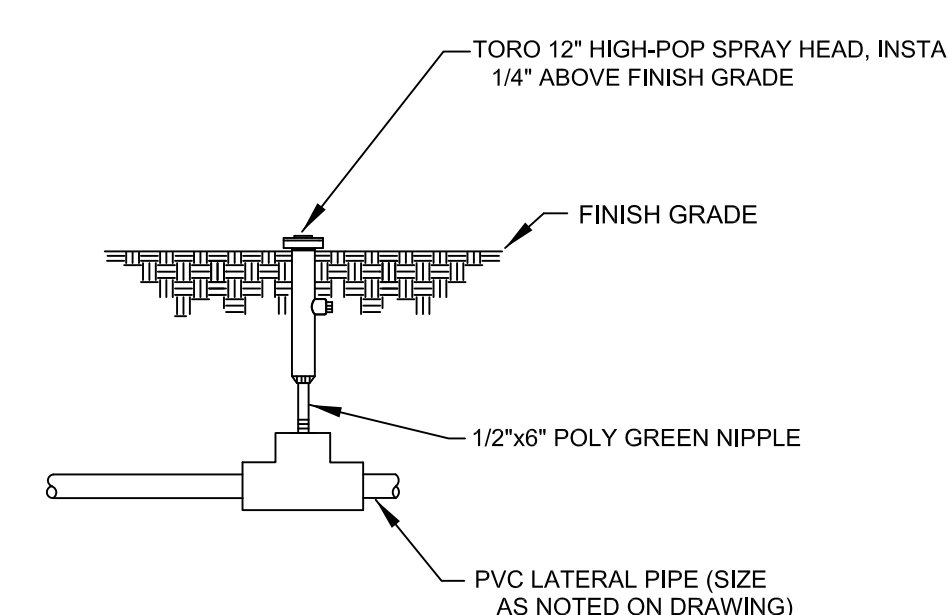
DRIPLINE FLUSH VALVE
NOT TO SCALE © SHDC



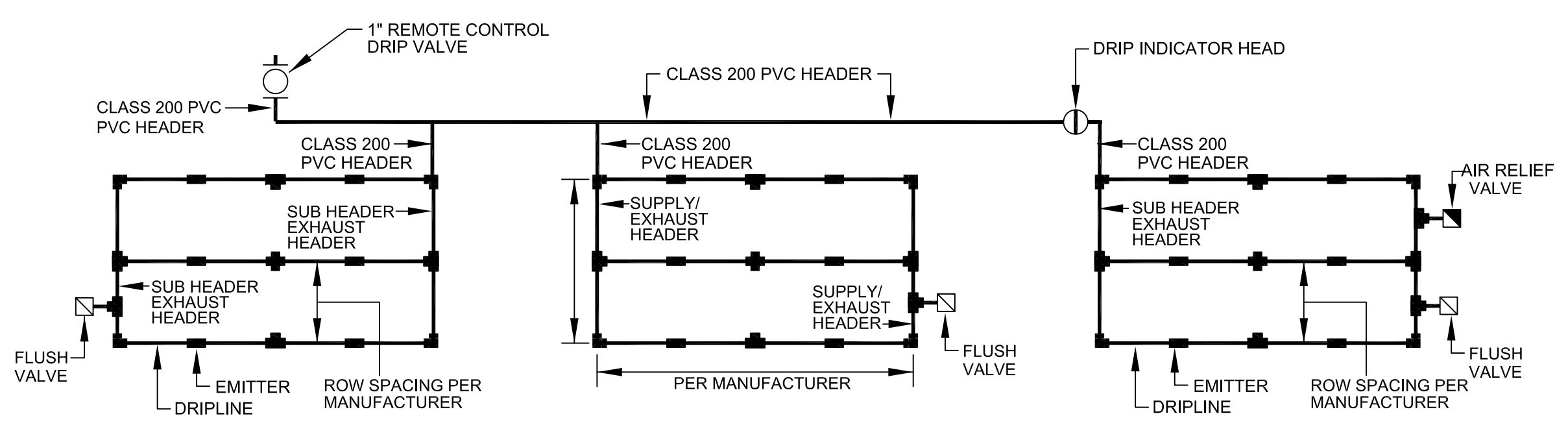
TYPICAL DRIPLINE LAYOUT
NOT TO SCALE © SHDC



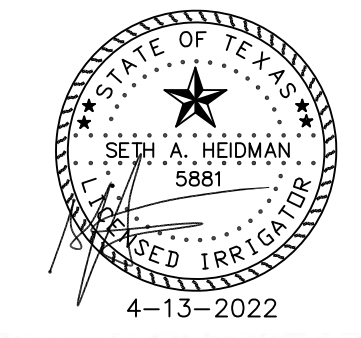
TREE BUBBLER
NOT TO SCALE © SHDC



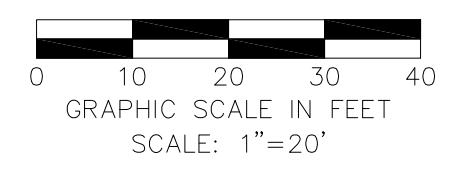
DRIPLINE INDICATOR HEAD
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TYPICAL DRIPLINE LAYOUT
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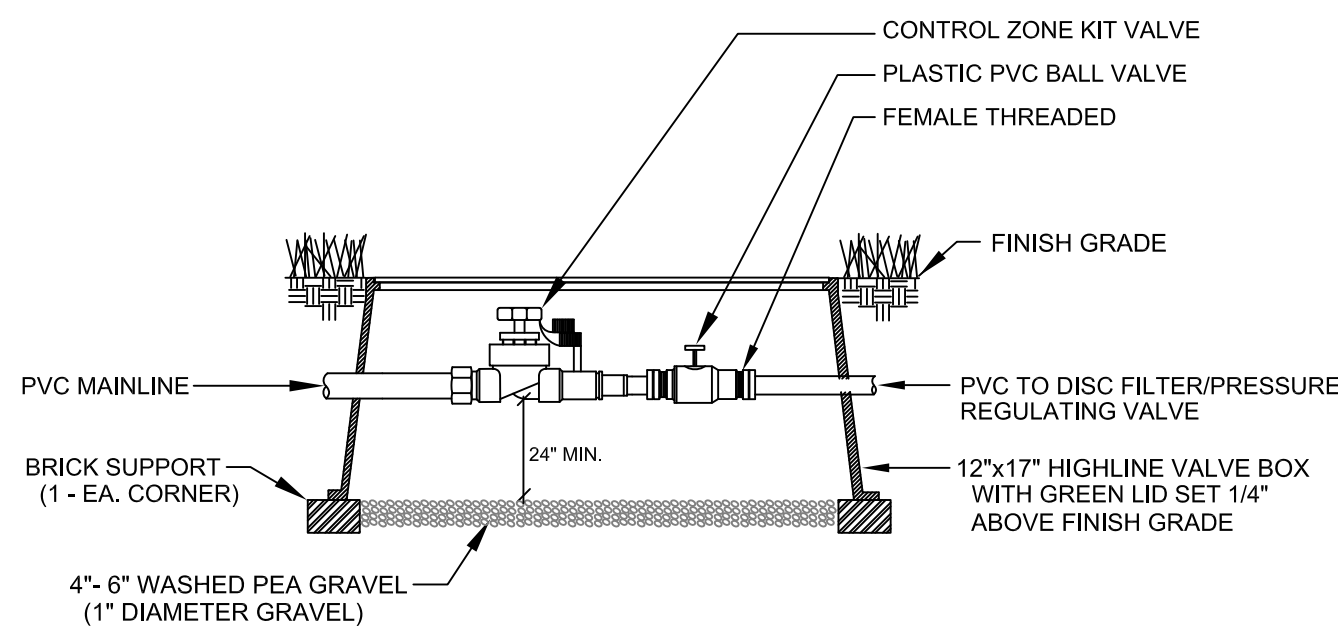
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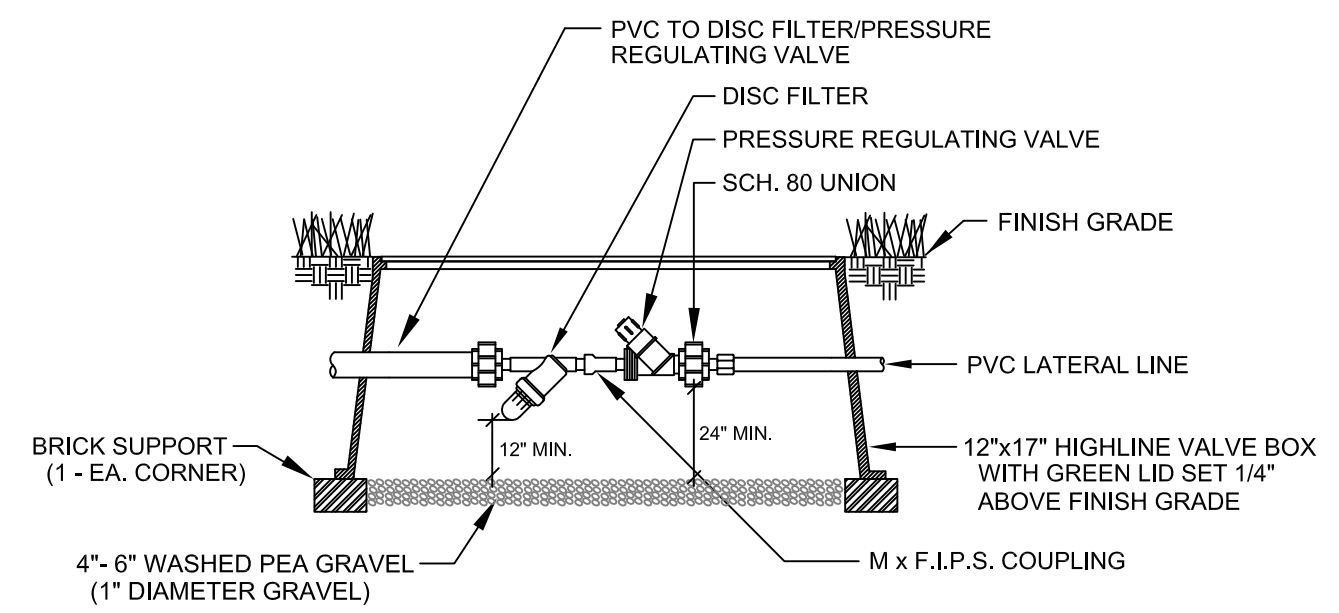
VW3 STREETSCAPE IMPROVEMENTS
VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C
TOWN OF ADDISON, TEXAS

IRRIGATION DETAILS

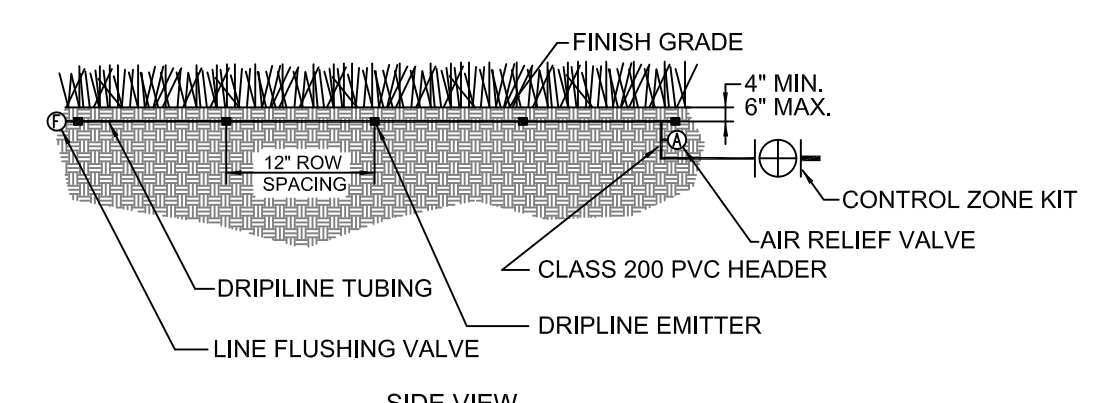
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REMOTE CONTROL DRIP ZONE
NOT TO SCALE © SHDC



FILTER/REGULATING VALVE
NOT TO SCALE © SHDC



TYPICAL SUBSURFACE DRIPLINE LAYOUT
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VP - PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06

NOTES:

- ALL STATE OF TEXAS LAWS/RULES AND ALL LOCAL CODES/ORDINANCES ARE MADE PART OF THESE PLANS AND SPECIFICATIONS WHETHER SHOWN OR NOT. THESE LAWS AND ORDINANCES WILL SUPERCEDE THE PLANS, DETAILS, AND/OR SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS CAUTIONED THAT HE IS TO INCLUDE ANY AND ALL COST NECESSARY TO MEET OR EXCEED THE LAWS OF THE STATE OF TEXAS OR LOCAL CODES CONCERNING LANDSCAPE IRRIGATION.
- ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. CONNECTORS SHALL BE 3M-DBY PERMANENT AND WATERPROOF FOR ALL FIELD WIRE SPLICES ONLY. CONNECTORS SHALL BE KING ONE STEP TAN PERMANENT AND WATERPROOF FOR ALL STATION VALVES ONLY.
- COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS. DO NOT INSTALL THE LANDSCAPE UNTIL THE AUTOMATIC IRRIGATION SYSTEM IS FULLY OPERATIONAL PER TOA.
- PIPING AND VALVES IN PAVING SHOWN FOR CLARITY, INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
- LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 12" AND A MAXIMUM OF 14" OF COVER. ALL FITTINGS TO BE SCHEDULE 40 PVC. USE TURFTITE SOLVENT WELD FLEXIBLE PIPE GLUE AND WELD ON #P-68 PRIMER ON THESE CONNECTIONS PER THE SPECIFICATIONS.
- ALL MAINLINE TO BE 2-1/2" CLASS 200 PVC. SIZE ALL LATERAL PIPING PER MANUFACTURER'S RECOMMENDATIONS OF NOT EXCEEDING 5 FPS. REFERENCE PIPE SIZE CHART. NO 1/2" PIPE ALLOWED
- CONNECT DRIP INDICATOR HEADS TO LATERAL PIPING WITH 1/2" TORO FUNNY PIPE WITH TORO BARBED FITTINGS AS REQUIRED, PER DETAIL SHOWN.
- INSTALL QUICK COUPLING VALVES IN TWELVE BY SEVENTEEN (12"x17") INCH HIGHLINE VALVE BOX. CONNECT QUICK COUPLING VALVES TO MAINLINE PIPE WITH LASCO "UNITIZED", #7722-212 O-RING SWING JOINTS. SUPPLY OWNER WITH THREE (3) COUPLER KEYS WITH SWIVEL HOSE BIBB EACH, #33DK-10 AND #SH-0 RESPECTIVELY. VALVES TO BE INSTALLED SO THAT TOP OF QUICK COUPLER IS 2" BELOW BOTTOM OF VALVE BOX TOP. PURPLE LID READS "NON-POTABLE, NOT SAFE FOR DRINKING" IN ENGLISH AND SPANISH. INSTALL EVERY 150'-0" ON CENTER ALONG ENTIRE LENGTH OF MAINLINE.
- INSTALL REMOTE CONTROL VALVES WITH FEMALE THREADED PLASTIC LASCO OR SPEARS BALL VALVE AND WIRE SPLICES IN TEN (10") INCH ROUND HIGHLINE VALVE BOXES.
- DESIGN PRESSURE IS 62.0 PSI. STATIC PRESSURE IS 70 PSI. TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN STATED DO NOT START WORK UNTIL NOTIFIED TO PROCEED BY OWNER.
- MINIMUM DISTANCE BETWEEN MAIN LINE AND LATERAL LINE FITTINGS (EXCEPT FOR REDUCER BUSHINGS) TO BE EIGHTEEN (18") INCHES AND MINIMUM HORIZONTAL DISTANCE OF TWENTY-FOUR (24") INCHES BETWEEN ANY VALVES THAT ARE INSTALLED SIDE BY SIDE.
- STAKE TREE BUBBLER LOCATIONS AND RECEIVE APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- INSTALL REMOTE CONTROL DRIP VALVE AND PLASTIC PVC BALL VALVE IN TWELVE BY SEVENTEEN (12"x17") INCH HIGHLINE VALVE BOX AND DISC FILTER WITH PRESSURE REGULATING VALVE IN SECOND TWELVE BY SEVENTEEN (12"x17") INCH HIGHLINE VALVE BOX.
- INSTALL DRIPLINE MINIMUM OF 2" AND A MAXIMUM OF 4" FROM HARDSCAPE SURFACES. STAKE DRIPLINE AND RECEIVE APPROVAL FROM OWNER'S REPRESENTATIVE BEFORE INSTALLATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDATIONS OF 5'-0" PER SECOND IN DRIPLINE.
- PROVIDE AND INSTALL DISTRIBUTION TUBING, STAKES, EMITTERS, TRANSFER FITTINGS, DIFFUSER BUG CAP, CONTROL ZONE KITS, ETC. NECESSARY FOR PROPER INSTALLATION OF THE BEDS. ALL PVC HEADER PIPING TO BE CLASS 200 PVC SOLVENT WELD PIPE. INSERT ALL RAINBIRD XF DRIPLINE INSERT FITTINGS PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL ONE DRIP INDICATOR HEAD FOR EACH DRIP ZONE. INDICATOR HEAD TO BE A TORO 12" HIGH-POP-UP SPRAY WITH NOZZLE TURNED TO OFF POSITION.
- AIR RELIEF VALVE TO BE NETAFIM 1/2" AIR RELIEF VALVE INSTALLED IN A TEN-INCH (10") HIGHLINE ROUND VALVE BOX WITH BLACK LID AND 6" OF GRAVEL SUMP. FLUSH VALVES TO BE NETAFIM AUTOMATIC FLUSH VALVE INSTALLED IN A TEN-INCH (10") HIGHLINE ROUND VALVE BOX WITH BLACK LID AND 6" OF GRAVEL SUMP.
- ALL PLANTING BED XFD DRIPLINE AND DISTRIBUTION TUBING TO BE INSTALLED AT GRADE BELOW MULCH LAYER PER MANUFACTURER'S RECOMMENDATIONS. ALL DRIPLINE TO BE INSTALLED 12" ON CENTER ROW SPACING UNLESS INSTRUCTED OTHERWISE. L.I.C. IS RESPONSIBLE TO VERIFY THE EXACT EMITTER FLOW, EMITTER SPACING, AND ROW SPACING WITH MANUFACTURER PRIOR TO INSTALLING TO PROVIDE PROPER PRECIPITATION RATE BASED ON PLANT MATERIAL AND SOIL TYPE. TUBING TO BE STAKED WITH HEAVY DUTY JUTE NETTING PINS FROM DALLAS BAG AND BURLAP OR APPROVED EQUAL. INSTALL STAKES EVERY 3'-0" ALONG ENTIRE LENGTH OF TUBING AND A MINIMUM OF 24" FROM ANY FITTINGS.
- ALL TURF SOD XFS DRIPLINE AND DISTRIBUTION TUBING TO BE INSTALLED BELOW FINISH GRADE APPROXIMATELY 3" TO 4" PER MANUFACTURER'S RECOMMENDATIONS. ALL TURF DRIPLINE TO BE INSTALLED 12" ON CENTER ROW SPACING UNLESS INSTRUCTED OTHERWISE. L.I.C. IS RESPONSIBLE TO VERIFY THE EXACT EMITTER FLOW, EMITTER SPACING, AND ROW SPACING WITH MANUFACTURER PRIOR TO INSTALLING TO PROVIDE PROPER PRECIPITATION RATE BASED ON TURF AND SOIL TYPE. TUBING TO BE STAKED WITH RAINBIRD 12 GA. GALVANIZED TIE DOWNS. INSTALL STAKES EVERY 3'-0" ALONG ENTIRE LENGTH OF TUBING AND A MINIMUM OF 24" FROM ANY FITTINGS.
- INCLUDE THE FOLLOWING ALLOWANCES FOR PROVIDING AND INSTALLING AIR RELIEF VALVES AND FLUSH VALVES FOR THE DRIP SYSTEM. EXACT QUANTITY AND LOCATION OF THESE DEVICES WILL BE DETERMINED AT THE TIME OF INSTALLATION. IN GENERAL, ALL AIR RELIEF VALVES WILL BE INSTALLED AT THE HIGH POINTS AND FLUSH VALVES WILL BE INSTALLED AT THE LOW POINTS OF EXHAUST HEADER. ALLOW FOR APPROXIMATELY ONE (1) AIR RELIEF VALVE AND APPROXIMATELY ONE (1) FLUSH VALVE FOR EACH DRIP ZONE KIT.
- WHERE POSSIBLE LOCATE ALL MAINLINES, VALVES, OR CONTROL WIRES SHALL BE LOCATED AND INSTALLED OUTSIDE RIGHT-OF-WAY.
- PROVIDE ALL LABOR AND MATERIAL NECESSARY TO HAND DIG WITHIN ALL EXISTING TREE ROOT ZONES. CONTRACTOR MUST STAKE DITCHES AND RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO ANY TRENCHING OR DIGGING.
- PROVIDE TEMPORARY IRRIGATION TO ALL DISTURBED AREAS THAT DO NOT HAVE PERMANENT IRRIGATION. PROVIDE ALL MATERIAL AND LABOR NECESSARY TO INSTALL AND OPERATE THE TEMPORARY SYSTEM. TEMPORARY SYSTEM TO BE LEFT IN PLACE UNTIL PLANT MATERIAL IS ESTABLISHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SHOULD IT BECOME NECESSARY TO REMOVE AND REPLACE THE TEMPORARY SYSTEM FOR MOWING AND MAINTENANCE OPERATIONS, THE LANDSCAPE IRRIGATION CONTRACTOR SHALL CONSIDER THIS PART OF HIS SCOPE OF WORK. EXACT METHOD OF PROVIDING AND OPERATING THE TEMPORARY SYSTEM WILL BE THE LANDSCAPE IRRIGATION CONTRACTOR'S RESPONSIBILITY. OPERATION OF THE TEMPORARY SYSTEM MUST BE COORDINATED WITH THE PERMANENT SYSTEM TO INSURE PROPER HYDRAULIC OPERATION OF BOTH SYSTEMS. CONTRACTOR IS RESPONSIBLE TO REFERENCE THE LANDSCAPE PLANS FOR THE SCOPE OF THIS WORK.
- PROVIDE ALL LABOR AND MATERIAL NECESSARY TO REPAIR THE EXISTING IRRIGATION SYSTEM IN THIS AREAS SO THAT IT IS 100% OPERABLE AND AUTOMATED UPON COMPLETION OF THE PROJECT. THIS WORK TO INCLUDE BUT NOT LIMITED TO CUTTING AND CAPPING, ADJUSTING, BLENDING, ADDING COMPONENTS TO ACHIEVE THIS WORK. REVIEW THE EXISTING IRRIGATION PLANS FOR ANY QUESTIONS REGARDING THE EXISTING IRRIGATION. CONTRACTOR MUST COORDINATE THIS WORK WITH ALL DISCIPLINES PRIOR TO BIDDING AND INSTALLATION.
- PROVIDE ALL LABOR AND MATERIAL NECESSARY TO CONNECT THE PROPOSED REMOTE CONTROL VALVES TO THE EXISTING IRRIGATION MAINLINE AT THIS APPROXIMATE LOCATION. VERIFY EXACT SIZE AND LOCATION OF EXISTING MAINLINE. CONTRACTOR MUST COORDINATE THIS WORK WITH ALL DISCIPLINES PRIOR TO BIDDING AND INSTALLATION. REFERENCE NOTES 1 AND 26 FOR THIS WORK.
- PROVIDE ALL LABOR AND MATERIAL NECESSARY TO CONNECT THE PROPOSED IRRIGATION WIRES TO THE EXISTING FOUR (4) IRRIGATION WIRES AT THIS APPROXIMATE LOCATION. VERIFY EXACT NUMBER AND LOCATION OF EXISTING WIRES. CONTRACTOR MUST COORDINATE THIS WORK WITH ALL DISCIPLINES PRIOR TO BIDDING AND INSTALLATION.
- A LICENSED IRRIGATOR OR LICENSED IRRIGATION TECHNICIAN SHALL BE ON-SITE AT ALL TIMES WHILE THE LANDSCAPE IRRIGATION SYSTEM IS BEING INSTALLED PER CITY OF ADDISON REQUIREMENTS.
- IT IS THE INTENT OF THESE PLANS TO PROVIDE THE OWNER WITH A FULLY AUTOMATED AND OPERATIONAL IRRIGATION SYSTEM UPON COMPLETION OF THE PROJECT. CONTRACTOR MUST READ AND FOLLOW THE TOWN OF ADDISON IRRIGATION SPECIFICATIONS 06/14/19 FOR THIS PROJECT.

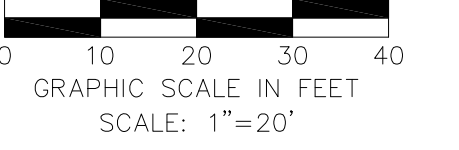
IRRIGATION LEGEND:

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	TORO (30 PSI)	570Z-40-XF WITH MPR PLASTIC NOZZLE ON 1/2" POLY GREEN NIPPLE
⊕	(2) BUBBLER HEADS	HUNTER (30 PSI)	PCN-10 (1 GPM) NOZZLE ON 1/2" SCH. 80 RISER WITH SHRUB ADAPTER
▲	QUICK COUPLING VALVE	RAINBIRD	#33-DNP WITH LASCO BALL VALVE, PURPLE LID READS "RECLAIMED WATER, DO NOT DRINK" IN ENGLISH AND "NO TOME" IN SPANISH.
⊖	REMOTE CONTROL VALVE	WEATHERMATIC	#11000 SERIES WITH BALL VALVE, REFER TO PLANS FOR SIZE
—	EXISTING MAINLINE	REFER TO SPEC.	REFER TO PLANS
—	MAINLINE PIPING	REFER TO SPEC.	2-1/2" CLASS 200 BELLED PVC
—	LATERAL PIPING	REFER TO SPEC.	3/4" & LARGER - CLASS 200 PVC
==	EXISTING SLEEVES	SCHEDULE 40 PVC	REF REFERENCE ORIGINAL DESIGN
⊖	REMOTE CONTROL DRIP VALVE	WEATHERMATIC	#11000 SERIES WITH PRESSURE REDUCER AND WYE STRAINER, REFER TO PLAN FOR SIZE
—	DRIP HEADER PIPING	REFER TO SPEC.	CLASS 200 PVC UNLESS OTHERWISE NOTED
[]	PLANTING BED DRIPLINE TUBING	NETAFIM	XFD-06-12 AT 12" ROW SPACING W/ 17MM BARBED FITTINGS, GALVANIZED TUBING STAKES, AND DRIP INDICATOR HEAD
[]	STATION NUMBER		
[]	VALVE SIZE		
[]	GPM (APPROX.)		



4-13-2022

SETH HEIDMAN
IRRIGATION DESIGN & CONSULTING, LLC
1007 W. PARKER AVE. #100-201, FORT WORTH, TEXAS 76102-3144



NO.	REVISION	BY	DATE
<h1>studioOutside</h1> <p>824 Exposition Avenue, Ste. 5 Dallas, Texas 75226 o214.954.7160 f214.954.7162</p>			
<p>VW3 STREETSCAPE IMPROVEMENTS</p> <p>VP PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C</p> <p>TOWN OF ADDISON, TEXAS</p> <p>IRRIGATION DETAILS</p>			
DESIGN	DRAWN	DATE	SCALE
SAH	SAH	APRIL 13, 2022	AS NOTED
NOTES	Sheet No.		
	22		

Irrigation in Texas is regulated by the Texas Commission of Environmental Quality (TCEQ), 6601 F.M. 1967, Austin, Texas, 78711-3887. TCEQ website is: www.tceq.texas.gov

VP - PUBLIC INFRASTRUCTURE - PHASE 5, BLOCK 200C - PROJECT NO. 5029-06