

HARDSCAPE, LANDSCAPE, AND IRRIGATION CONSTRUCTION DOCUMENTS

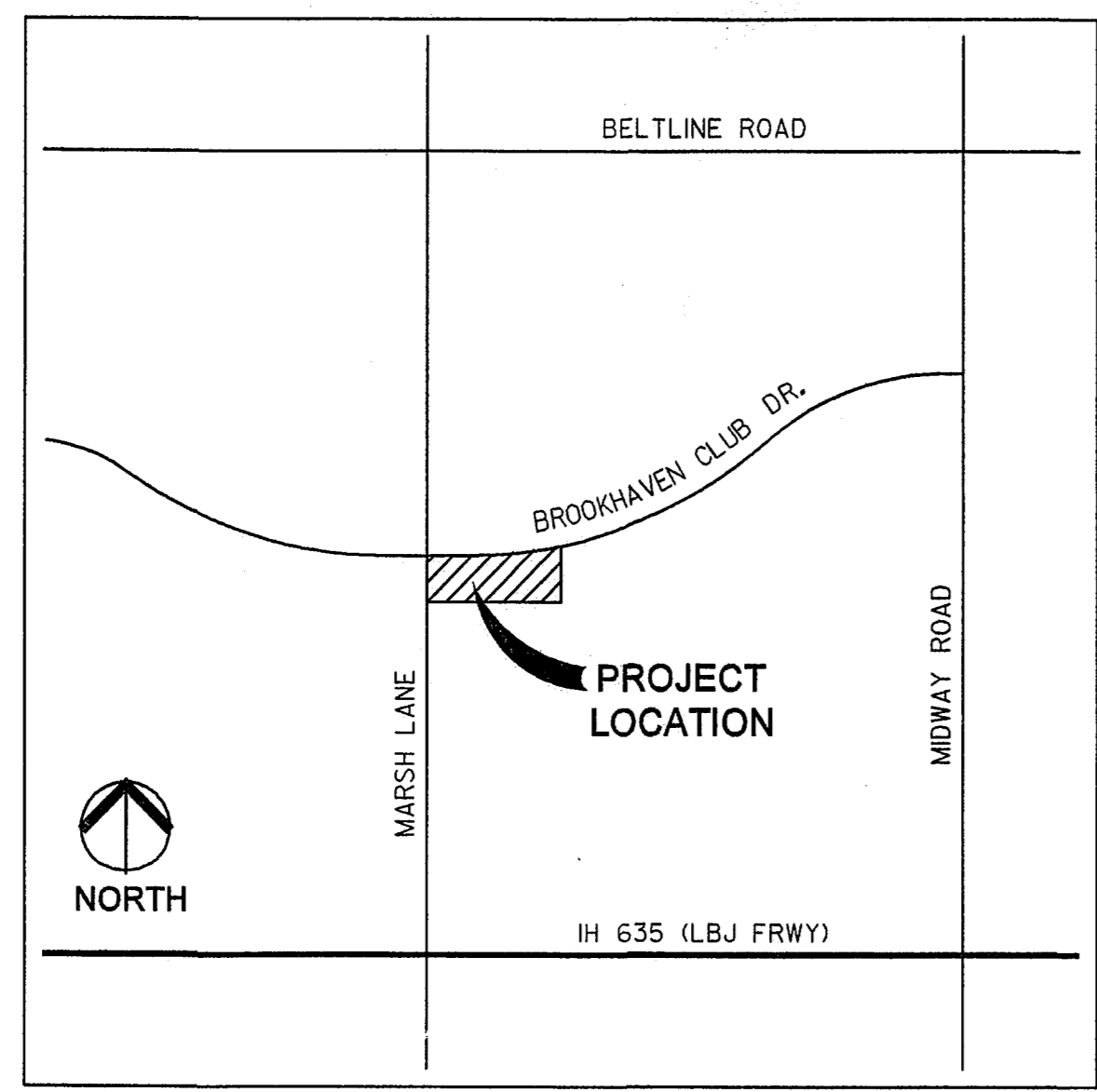
FOR

BROOKHAVEN CLUB DRIVE PARK

TOWN OF ADDISON, TEXAS

APRIL 2003

LOCATION MAP

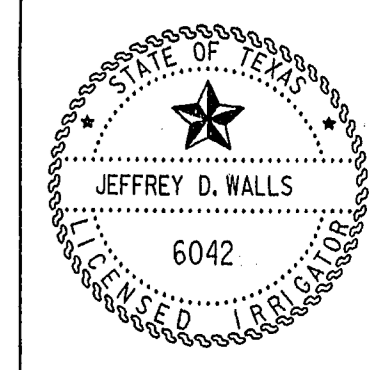
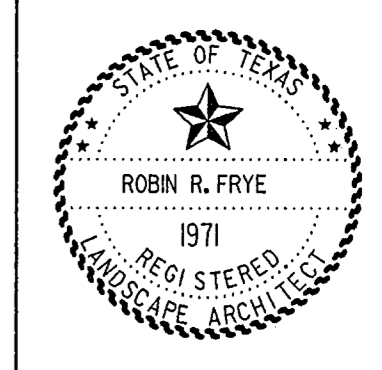


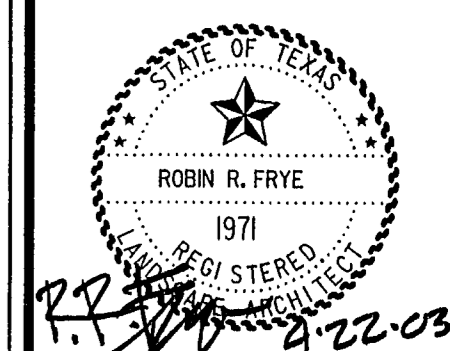
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Frye Associates
 2874 Ridgedale Dr.
 Lewisville, Texas 75067

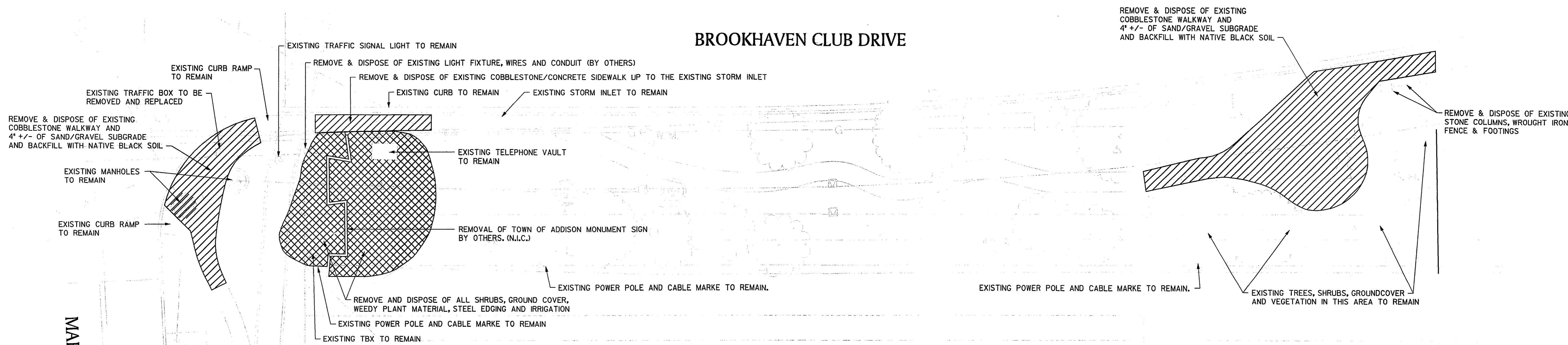
WATER SMART IRRIGATION, Inc.
 P.O. BOX 580518
 The Colony, Texas 75058





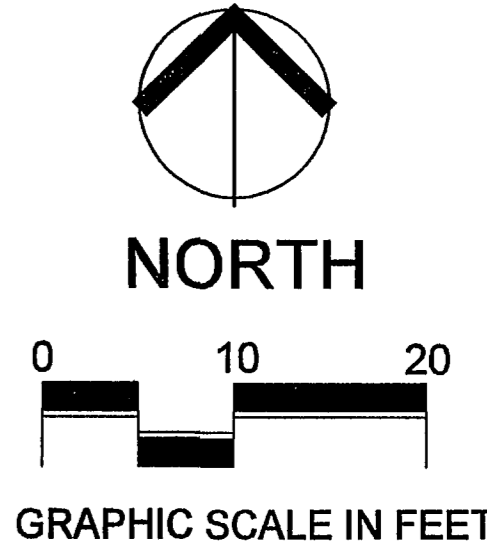
BROOKHAVEN CLUB DRIVE PARK
Town of Addison
Parks Recreation & Landscape Development
P.O. Box 9010
Addison, Texas 75001

BROOKHAVEN CLUB DRIVE



GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION & VERIFICATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES, AND TO PROTECT ALL PUBLIC & PRIVATE UTILITIES DURING CONSTRUCTION OF THIS PROJECT.
2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR CONSTRUCTION OF THIS PROJECT.
3. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE TOWN OF ADDISON STANDARDS & SPECIFICATIONS AND TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION.



DEMOLITION PLAN

F&A JOB NUMBER:
0228

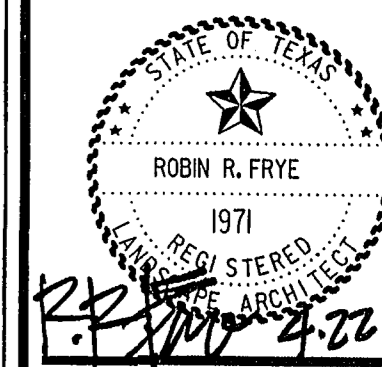
DATE ISSUED:
Apr. 22, 2003

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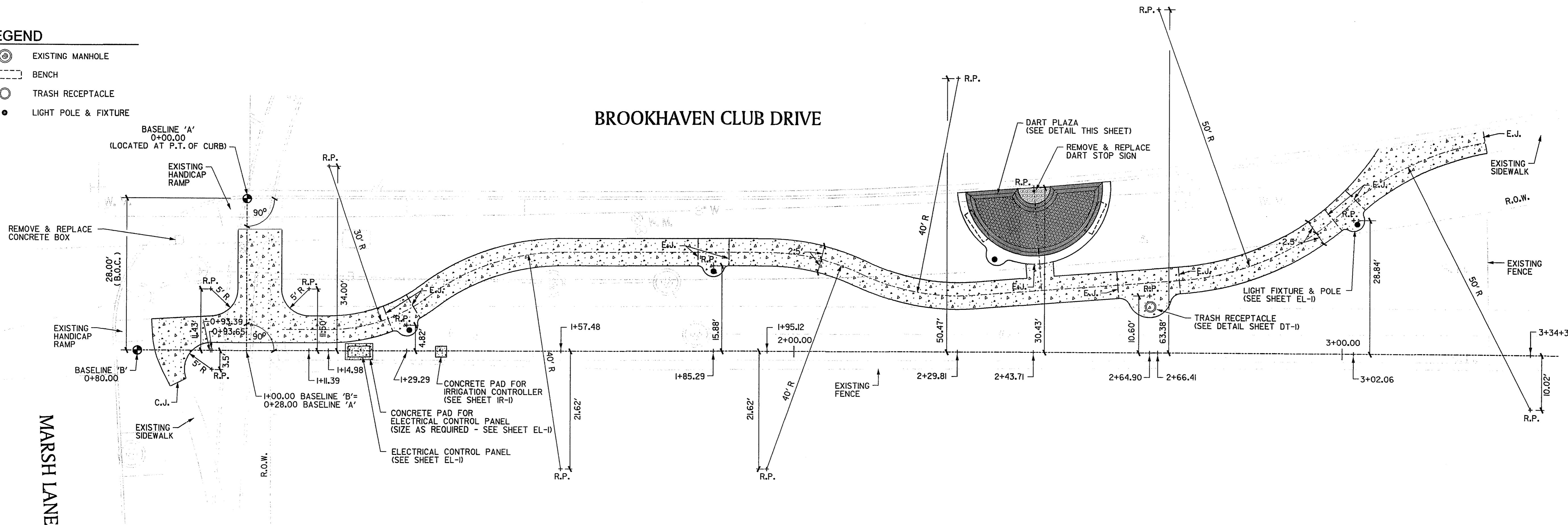
D-1



BROOKHAVEN CLUB DRIVE PARK
 Town of Addison
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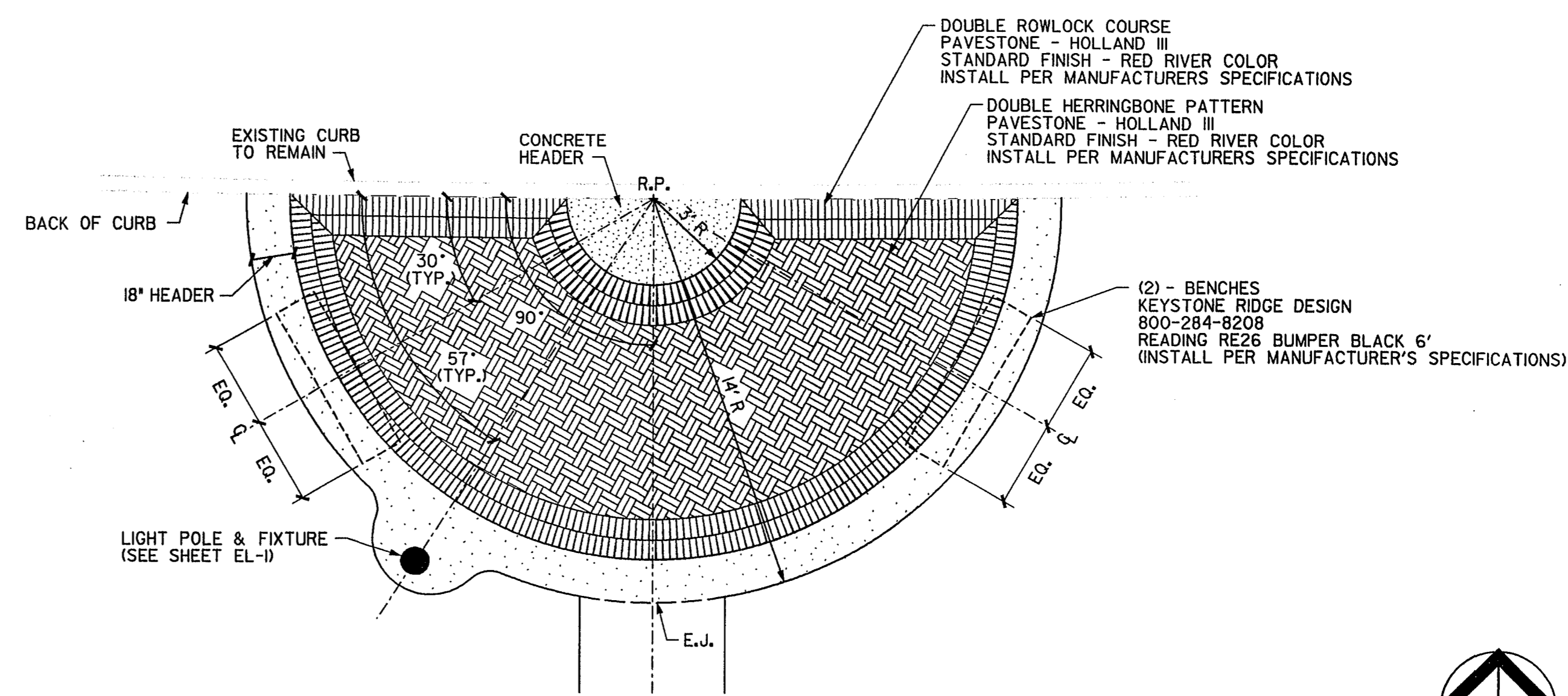
LEGEND

- ⊙ EXISTING MANHOLE
- ▭ BENCH
- TRASH RECEPTACLE
- LIGHT POLE & FIXTURE

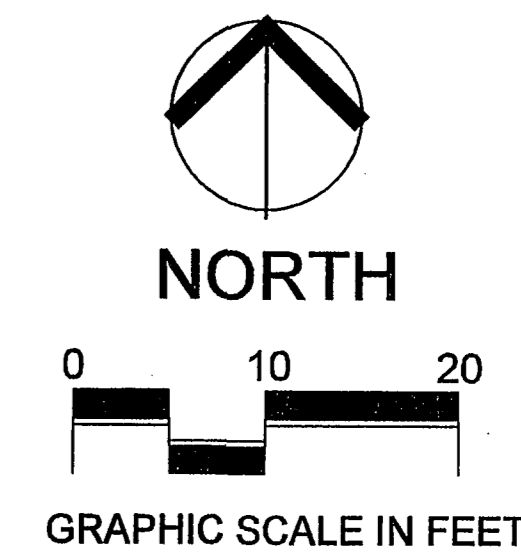


LAYOUT NOTES:

1. ALL SITE FEATURE LOCATIONS SHALL BE STAKED IN FIELD BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION AND CONSTRUCTION.
2. FINE GRADING SHALL BE PERFORMED IN ALL DISTURBED AREAS. FINE GRADING SHALL INCLUDE THE REMOVAL OF DEBRIS, ROCKS, ETC. FROM THE SITE, AND ENSURE POSITIVE DRAINAGE TO THE STREET IN ALL AREAS TO BE PLANTED.
3. THE CONTRACTOR SHALL VERIFY ALL BUILDING SETBACK LINES, EASEMENT LINES, AND VISIBILITY LINES IN THE FIELD PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES SHOWN ON THIS PLAN, AS WELL AS ANY OTHERS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK.
5. WRITTEN DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS.
6. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL SITE FEATURES, AND MAINTAIN POSITIVE DRAINAGE TO STREET IN ALL AREAS.
7. SIDEWALK REINFORCEMENT SHOULD BE CONTINUOUS THROUGH THE CONTROL AND EXPANSION JOINTS.
8. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES HAVING JURISDICTION.
9. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THE WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE L.A. BEFORE PROCEEDING WITH WORK IN QUESTION OR OTHER RELATED WORK.
10. PROPRIETARY MATERIALS, PRODUCTS, OR SYSTEMS REQUIRED BY THESE CONTRACT DOCUMENTS ESTABLISH THE MINIMUM QUALITY AND STANDARD OF PERFORMANCE FOR THE WORK AND ARE INTENDED TO BE NONDISCRIMINATORY WITH REGARD TO UNNAMED MANUFACTURERS OR SUPPLIERS UNLESS SPECIFICALLY NOTED. REQUESTS FOR SUBSTITUTIONS ARE TO BE SUBMITTED IN WRITING TO THE L.A., ACCOMPANIED BY APPROPRIATE DATA INDICATING COSTS, SCHEDULES, PERFORMANCE ADVANTAGE, AND ANY VARIATIONS FROM SPECIFIED REQUIREMENTS.
11. ALL WORK NOTED 'BY OTHERS', 'BY OWNER', 'N.I.C.', OR 'NOT IN CONTRACT' IS TO BE ACCOMPLISHED BY A CONTRACTOR OTHER THAN THE GENERAL CONTRACTOR AND IS NOT TO BE PART OF THIS AGREEMENT. THE GENERAL CONTRACTOR IS TO COORDINATE WITH 'OTHER' CONTRACTORS AS REQUIRED.
12. 'TYPICAL' AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED.
13. CONTRACTOR IS TO COORDINATE ALL STAGING AREAS WITH OWNER AND ALL OTHER CONTRACTORS PRIOR TO COMMENCEMENT OF WORK.



DART STOP PAVER PLAN
SCALE: 1/4" = 1'-0"



LAYOUT PLAN

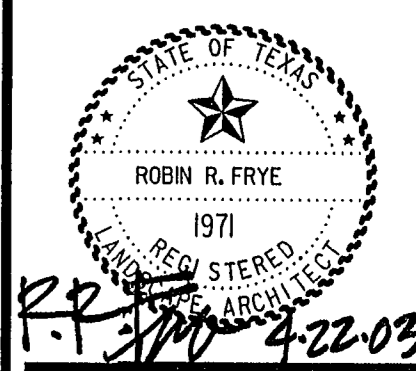
F&A JOB NUMBER:
0228

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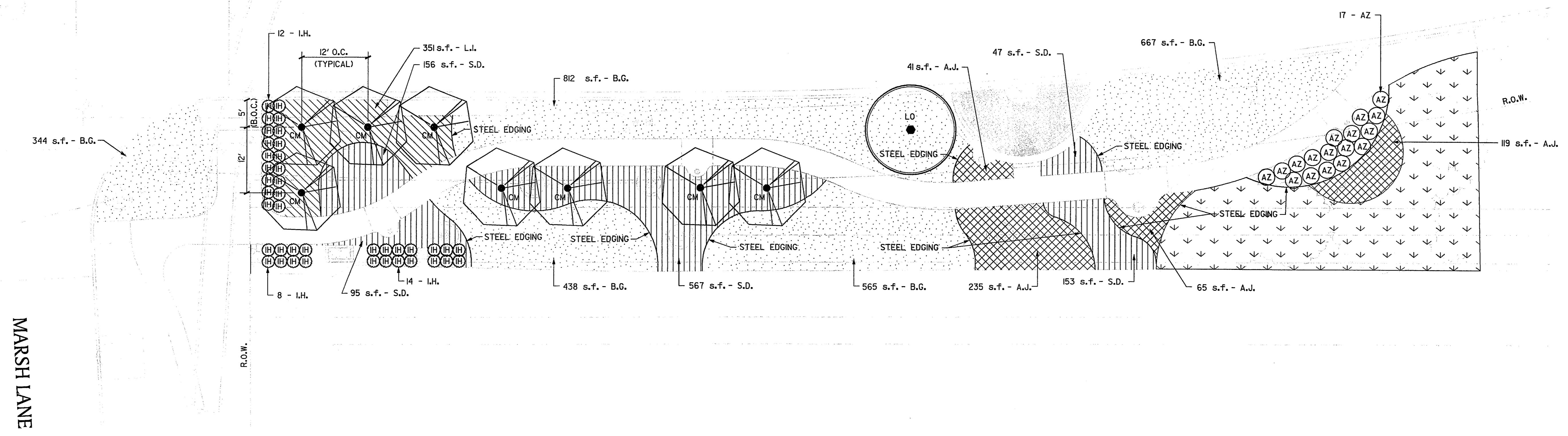
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BROOKHAVEN CLUB DRIVE

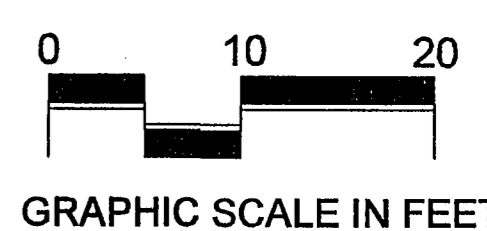
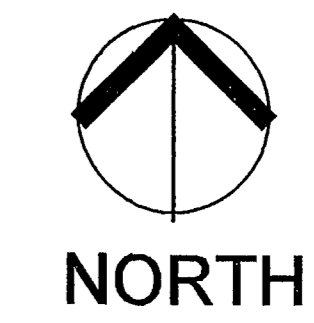


PLANTING NOTES:

- CONTRACTOR SHALL NOT PARK ANY VEHICLE, STORE ANY MATERIALS, OR CREATE ANY TEMPORARY ACCESS ROADS UNDER THE DRIP-LINE OF ANY EXISTING TREES ON SITE WHICH ARE NOT TO BE REMOVED.
- ALL TREES DESIGNATED BY THE ENGINEERS TREE SURVEY AS "NOT TO BE REMOVED" SHALL BE PROTECTED IN ACCORDANCE TO THE TOWN OF ADDISON DEVELOPEMNT CODE REGULATIONS.
- ALL TREES TO BE PLANTED SHALL BE PLANTED IN ACCORDANCE TO THE DETAIL(S), SEE SHEET DT-2, AND THE TOWN OF ADDISON DEVELOPEMNT CODE REGULATIONS.
- THE CONTRACTOR SHALL VERIFY ALL LOCATIONS OF ALL UTILITIES SHOWN ON THIS PLAN, AS WELL AS ANY OTHERS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK.
- WRITTEN DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS.
- ALL PLANT MATERIAL LOCATIONS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR, AND APPROVED BY THE L.A. PRIOR TO INSTALLATION.
- BED PREP FOR AZALEAS ONLY IS AS FOLLOWS:
 - EXCAVATE AND REMOVE EXISITNG SOIL TO A DEPTH OF 4".
 - BACKFILL WITH A MIXTURE OF 50% COMPOST, 50% SHREDDED HARDWOOD BARK, TEXAS GREEN SAND @ 1-2 lbs/cubic yd AND GRANULATED SULFUR @ 1lb/cubic yd. PLACE IN THE BED AREA TO A DEPTH OF 16". BE SURE TO THOROUGHLY SATURATE THIS MIXTURE IN A TUB OR WHEELBARROW PRIOR TO PLACING IT IN THE BED.
 - MOUND THE BEDS SO THAT THE FINISHED GRADE IS ABOUT 12" ABOVE THE ADJACENT GRADE.
 - TEAR OR CUT POT-BOUND ROOTS BEFORE PLANTING.

PLANT LEGEND

| QTY. | SYMBOL | DESCRIPTION |
|-----------|--------|----------------------------|
| | | EXISTING TREES (TO REMAIN) |
| 1 | | LIVE OAK |
| 8 | | CRAPE MYRTLE |
| 17 | | AZALEA |
| 34 | | INDIAN HAWTHORNE |
| 460 S.F. | | ASIAN JASMINE |
| 2826 S.F. | | BERMUDA GRASS SOD |
| 351 S.F. | | LIRIOPE (BIG BLUE) |
| 1018 S.F. | | LIRIOPE (SILVER DRAGON) |
| | | EXISTING VEGETATION |



LANDSCAPE PLAN

BROOKHAVEN CLUB DRIVE PARK

Town of Addison
Parks Recreation & Landscape Development
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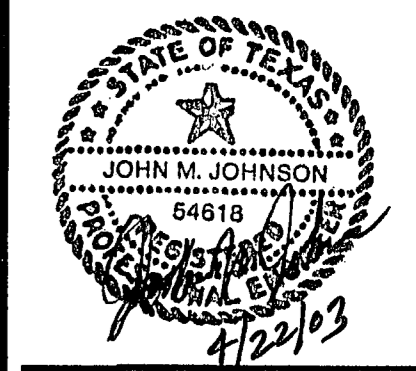
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0228

DATE ISSUED:
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REVISIONS:

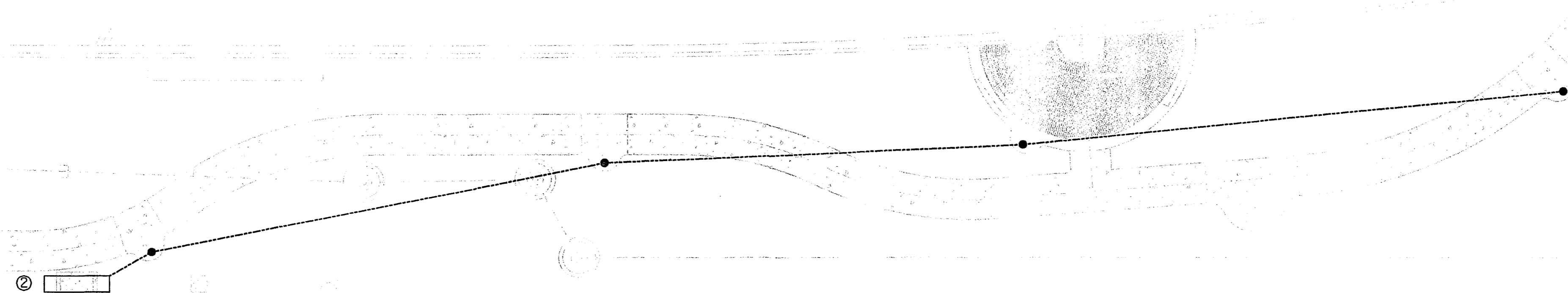
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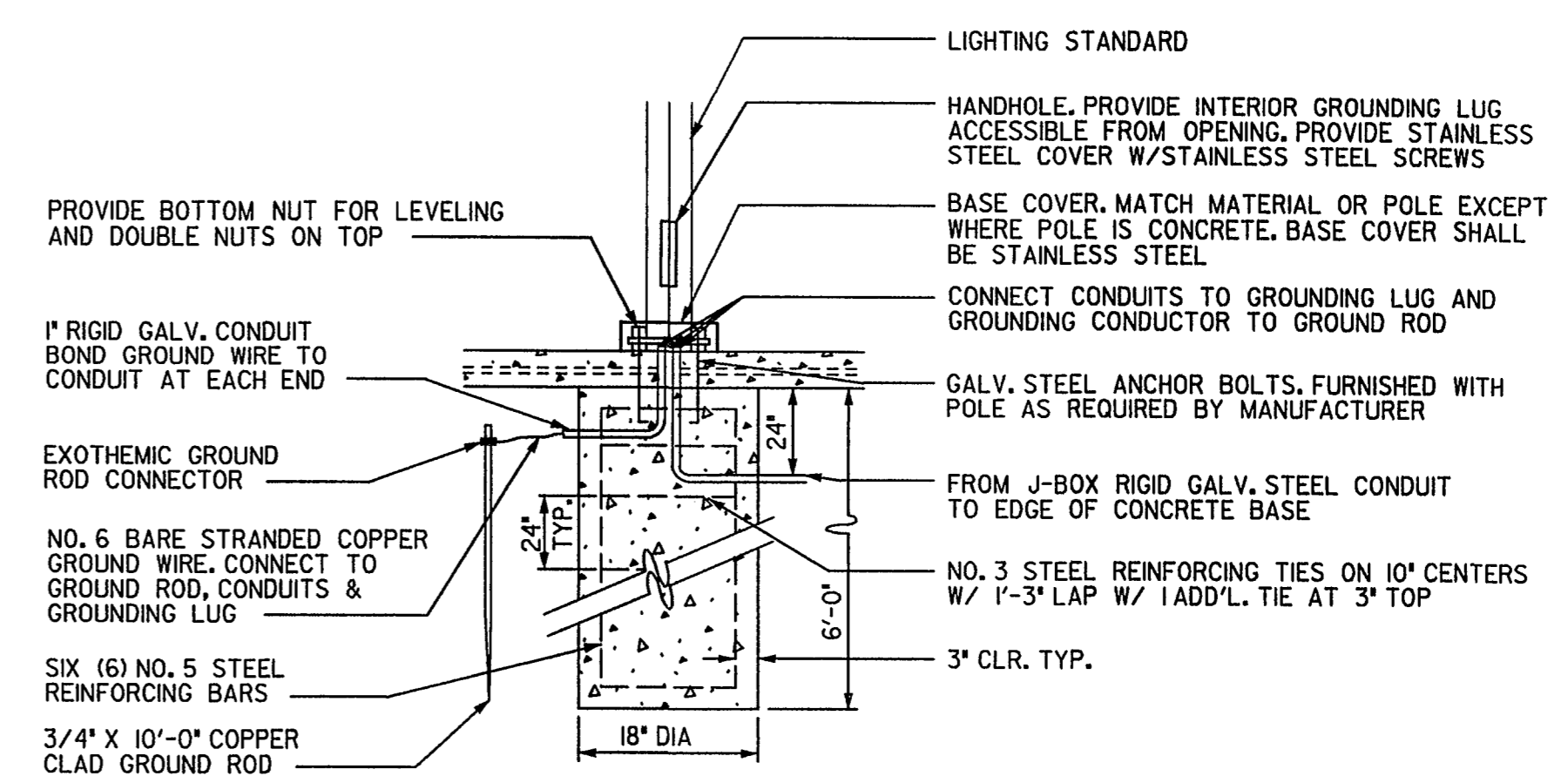
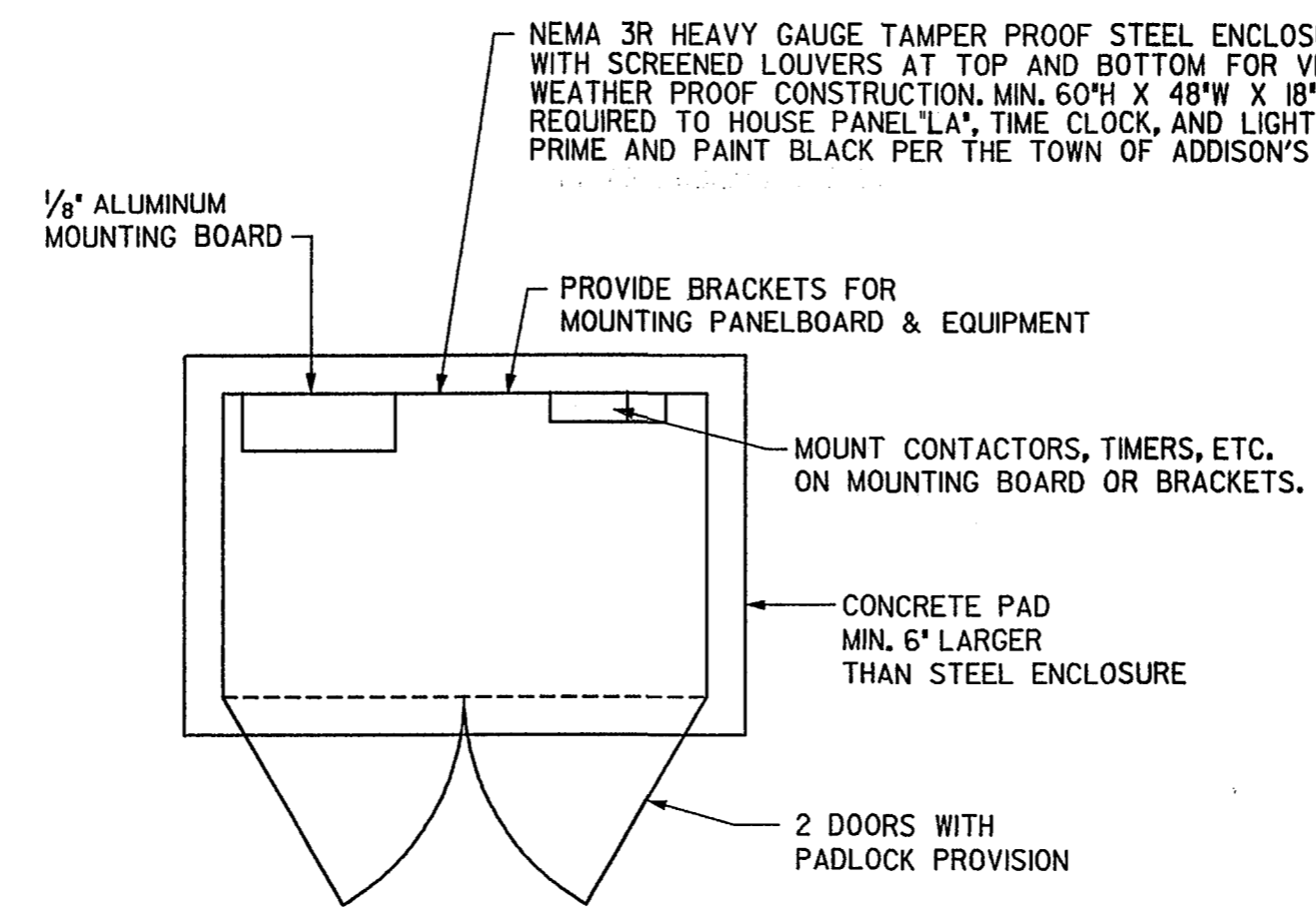
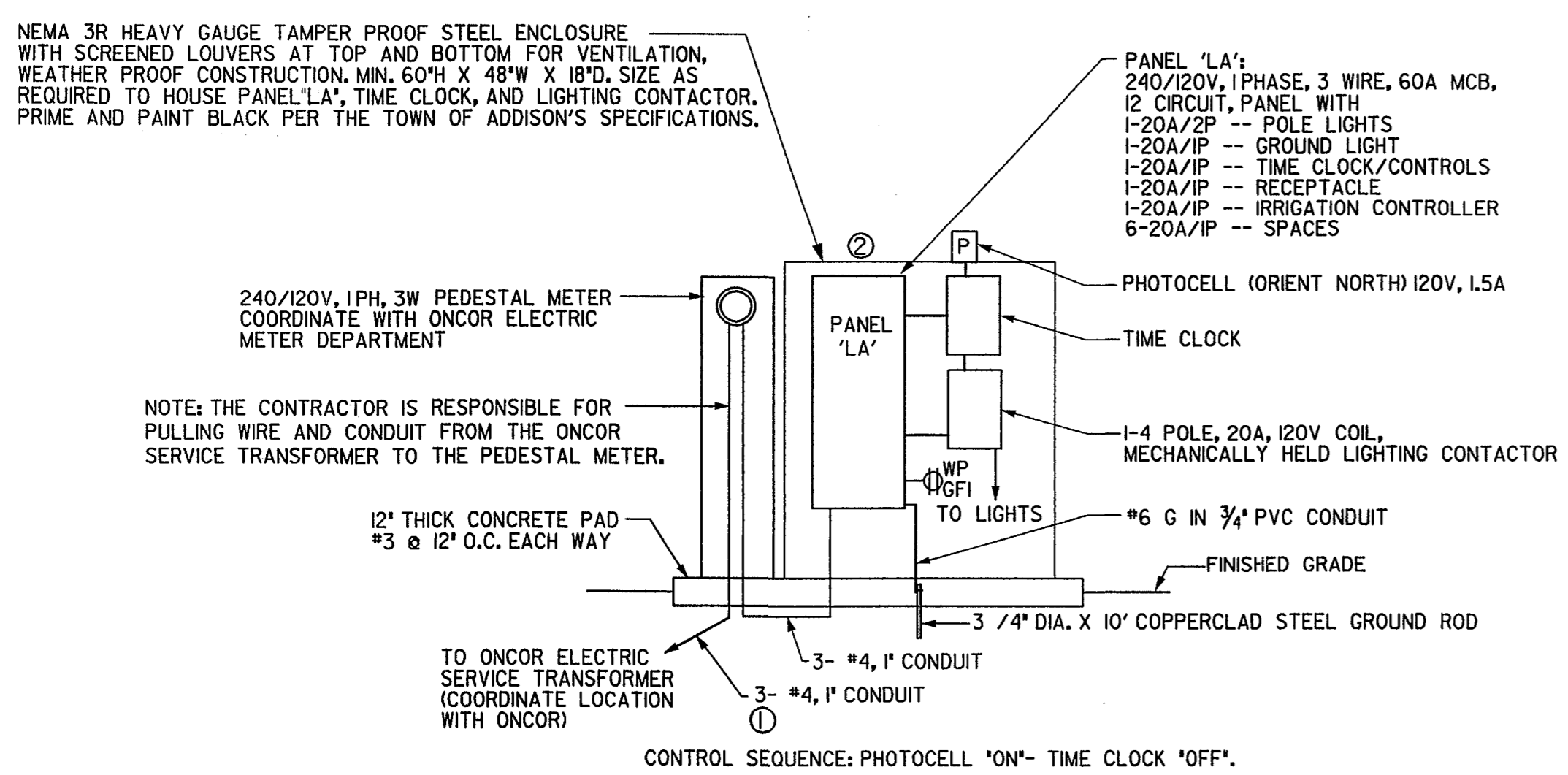
BROOKHAVEN CLUB DRIVE

MARSH LANE



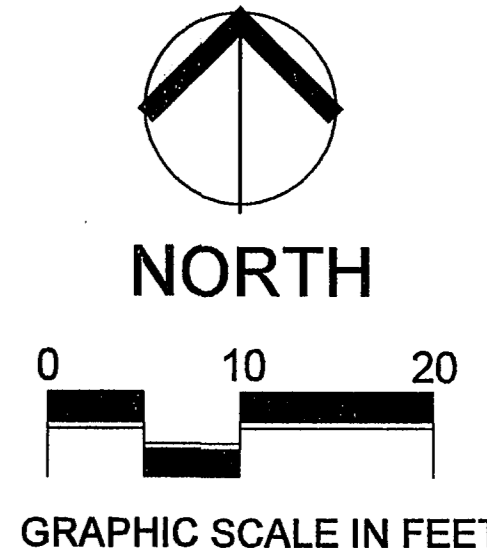
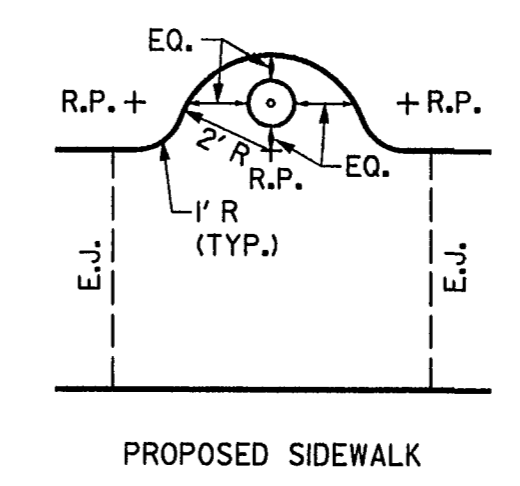
LIGHTING LEGEND

● LIGHT POLE & FIXTURE



NOTE: ALL LIGHT STANDARDS LOCATED IN PLANTING BEDS (SEE PLANS) SHALL HAVE THE TOP OF THEIR CONCRETE POLE BASE EXTENDED 7\"/>

LIGHT FIXTURE SHALL BE: STERNER CORONA CC-A-21-10-2H-175H 240 E WITH 175W MH LAMP MOUNTED TO A STERNER RSA II-C-E POLE. BOTH POLE AND FIXTURE SHALL BE A BLACK FINISH.



NOTES BY SYMBOL

- ① CONTRACTOR SHOULD COORDINATE WITH ONCOR ELECTRIC ON EXACT LOCATION FOR SOURCE OF POWER. INSTALL SERVICE AS INDICATED. (APPROXIMATELY 20')
- ② MOUNT ALL ELECTRICAL EQUIPMENT ON A GALVANIZED UNISTRUT RACK. SEE PLAN & DETAILS THIS SHEET

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CITY OF ADDISON ELECTRICAL CODES IN EFFECT.
2. ALL CONDUCTORS SHALL BE COPPER, TYPE THHW OR RHW AND INSTALLED IN CONDUIT.
3. COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND ELECTRICAL EQUIPMENT WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL BORE UNDER ALL EXISTING SIDEWALKS AND STREETS TO ACCOMMODATE CONDUIT CROSSINGS UNDER EXISTING PAVEMENT.
5. ALL CONDUITS SHALL BE INSTALLED WITH A MINIMUM OF 24 INCHES OF COVER
6. ALL CONDUIT IN CONTACT WITH CONCRETE SHALL BE GALVANIZED RIGID STEEL.
7. ALL DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONING FOR THE ELECTRICAL EQUIPMENT.

LIGHTING PLAN & DETAILS

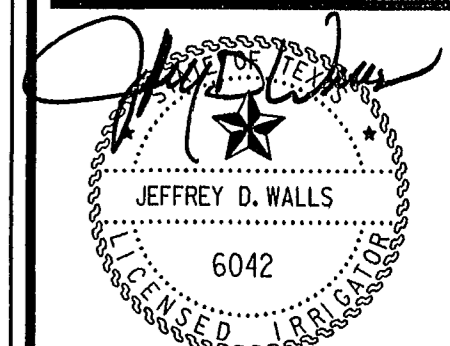
F&A JOB NUMBER: 0228

DATE ISSUED: Apr. 22, 2003

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SHEET NUMBER:

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BROOKHAVEN CLUB DRIVE PARK
 Town of Addison
 Parks Recreation & Landscape Development
 P.O. Box 9010
 Addison, Texas 75001

F&A JOB NUMBER:
0228
 DATE ISSUED:
Apr. 22, 2003
 REVISIONS:

 SHEET NUMBER:
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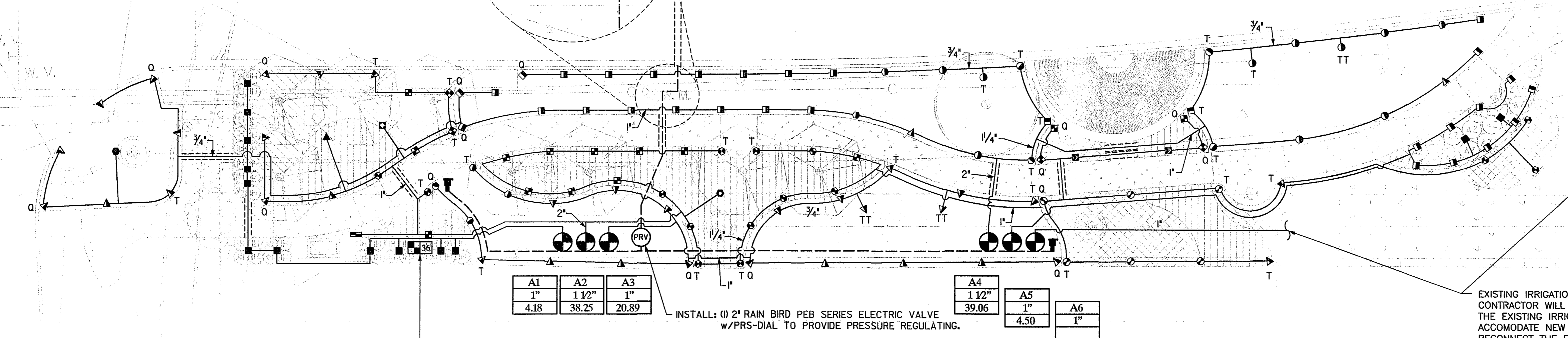
CONNECT TO EXISTING 1/2" METER AND 1/2" DOUBLE CHECK ASSEMBLY.
INSTALL: (1) 1/2" FLOW METER

CONTRACTOR SHALL TEST EXISTING DCA PRIOR TO INSTALLATION OF SYSTEM TO ENSURE DCA IS WORKING. IF DCA IS FOUND NOT TO BE WORKING PROPERLY, CONTRACTOR SHALL NOTIFY TOWN OF ADDISON REPRESENTATIVE IMMEDIATELY.

2" IRRIGATION MAIN LINE TO MEDIAN AREAS ALONG BROOKHAVEN CLUB DRIVE.
(REFER TO IRRIGATION PLANS FOR BROOKHAVEN CLUB DRIVE PROVIDED BY OTHERS.)

32± L.F. 6" BORE
INSTALL: (1) 4" SLEEVE FOR IRRIGATION IN MEDIAN AREAS

BROOKHAVEN CLUB DRIVE



EXISTING IRRIGATION IN THIS AREA TO REMAIN.
CONTRACTOR WILL BE RESPONSIBLE FOR MODIFYING THE EXISTING IRRIGATION IN THIS AREA IN ORDER TO ACCOMMODATE NEW SITE LAYOUT. CONTRACTOR SHALL RECONNECT THE EXISTING IRRIGATION ZONE INTO NEW ZONE VALVE #A6.

INSTALL: (1) RAIN MASTER EVOLUTION DX-2 SERIES PEDESTAL MOUNTED CONTROLLER.
LOCATION OF CONTROLLER SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
CONTRACTOR TO SET (1) 120V POWER/20 AMP/60 HZ PANEL FOR IRRIGATION SYSTEM.

PIPING NOTES:

- TORO 570Z MPR PLUS 15" R 4" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - ◐ TORO 570Z MPR PLUS 15" R 12" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - F (360°) - 3.60 GPM, TO (270°) - 2.60 GPM, TT (240°) - 2.20 GPM, * (180°) - 1.65 GPM, T (120°) - 1.10 GPM, Q (90°) .85 GPM
 - ▲ TORO 570Z MPR PLUS 12" R 4" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - ▲ TORO 570Z MPR PLUS 12" R 12" POP UP SPRAY HEAD - FULL CIRCLE @ 30 psi
 - ▲ TORO 570Z MPR PLUS 12" R 12" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - F (360°) - 2.19 GPM, TO (270°) - 1.55 GPM, TT (240°) - 1.45 GPM, * (180°) - 1.09 GPM, T (120°) - .72 GPM, Q (90°) .50 GPM
 - TORO 570Z MPR PLUS 10" R 4" POP UP SPRAY HEAD - FULL CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 10" R 4" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 10" R 12" POP UP SPRAY HEAD - FULL CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 10" R 12" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - F (360°) - 1.49 GPM, TO (270°) - 1.04 GPM, TT (240°) - .97 GPM, * (180°) - .71 GPM, T (120°) - .52 GPM, Q (90°) .40 GPM
 - TORO 570Z MPR PLUS 8" R 4" POP UP SPRAY HEAD - FULL CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 8" R 4" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 8" R 12" POP UP SPRAY HEAD - FULL CIRCLE @ 30 psi
 - TORO 570Z MPR PLUS 8" R 12" POP UP SPRAY HEAD - PART CIRCLE @ 30 psi
 - F (360°) - 1.00 GPM, TO (270°) - .76 GPM, TT (240°) - .70 GPM, * (180°) - .50 GPM, T (120°) - .30 GPM, Q (90°) .24 GPM
 - TORO 570Z MPR PLUS 4" POP UP SPECIAL PATTERN SPRAY HEAD @ 30 psi
 - 45-SST - 1.47 GPM
 - * ALL SPRAY HEADS NOT OTHERWISE DESIGNATED SHALL BE 180° THROW.
 - ◻ FLOW METER
 - ⊕ MASTER VALVE w/PRESSURE REGULATOR
 - ⊕ WEATHERMATIC 11000 FCR SERIES ELECTRIC VALVE
 - 1/2" IRRIGATION WATER MAIN (NUMBER DENOTES PIPE SIZE) - 2" UNLESS OTHERWISE NOTED.
 - 1/4" IRRIGATION WATER LATERAL (NUMBER DENOTES PIPE SIZE)
 - SLEEVE (SLEEVE SHALL BE 2 SIZES LARGER THAN PIPE CARRIED)
- | | |
|------|--------------|
| A1 | VALVE NUMBER |
| 1/2" | VALVE SIZE |
| 40 | GPM |
- ⊕ RAINMASTER DX-2 SERIES PEDESTAL MOUNTED CONTROLLER w/NUMBER OF STATIONS REQUIRED
 - ⊕ WEST AG V075 QUICK COUPLER

IRRIGATION NOTES:

Irrigation Plan Is Schematic. All Piping Heads, Valves, Etc. Shall Be Located As Shown On The Details. Report Any Discrepancies Between Actual And Proposed Site Conditions To The Representative For The Town Of Addison. Do Not Proceed With Work Until Said Discrepancies Are Resolved.

Verify That The Work Of Other Contractors/Trades Is Sufficiently Complete To Allow Commencement Of Irrigation Installation Prior To Beginning Work. Contractors Shall Coordinate Installation Of All Irrigation Sleeves Under Pavement With Other Contractors.

Coordinate Irrigation Installation With The Work Of Other Contractors/Trades And Protect The Work Of Other Contractor/Trades. Irrigation Contractor Is Responsible For All Damages Resulting From His Actions.

The Irrigation Contractor Shall Provide The Owner With Two Copies Of The Parts List And Manufacturer's Catalog Showing Performance, Quality And Function Of Each Item Of Equipment In The System. In Addition, The Irrigation Contractor Shall Provide The Owner Written Instructions For Operation And Maintenance Of The System.

Prior To The Acceptance Of Irrigation System By Owner, A Person Qualified To Represent The Irrigation Contractor Shall Be Present At The Final Inspection To Demonstrate The System And Prove Its Performance Prior To The Inspection. All Work Shall Have Been Completed, TESTED, ADJUSTED AND PLACED IN OPERATION.

All Work And Equipment To Be Guaranteed For One Year From Date Of Acceptance By Town of Addison. A Copy Of The Guarantee Shall Be Included In The Operation/Maintenance Instructions.

Irrigation System Installation To Be Performed In Accordance With All Pertinent Codes And Ordinances.

No PVC Piping Shall Be Located Under Tree Rootballs.

The Contractor Shall Verify Location Of All Underground Utilities Prior To Installation. If Any Underground Or Above Ground Construction Is Located As To Significantly Hinder Installation Or Function Of The Irrigation System, The Owner Shall Be Notified Immediately.

Main Line Piping And Lateral Piping May Be Placed In Same Trench When Possible. Main Line Piping Shall Be Installed In Bottom Of Trench With Laterals On Top.

Sleeves Shall Be Installed Wherever Pipes Run Under Pavement.

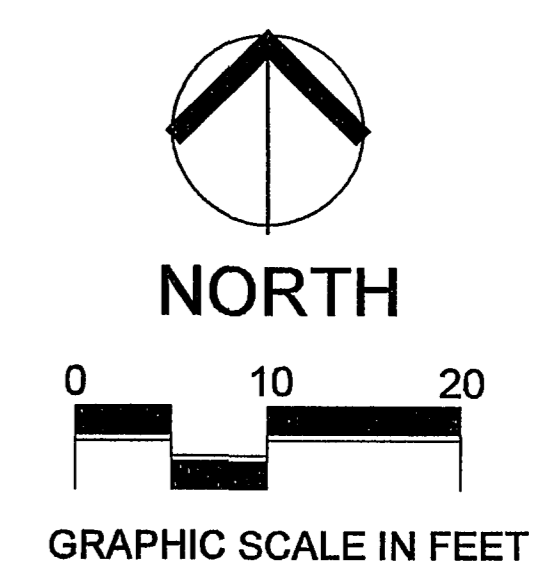
The Contractor Is Responsible For Running Power To All Controllers.

The Contractor Is Responsible In Coordinating With The Town of Addison The Installation Of The Southwestern Bell Phone Line Needed For Linking The New Irrigation System Into To The Existing Central Irrigation Control System.

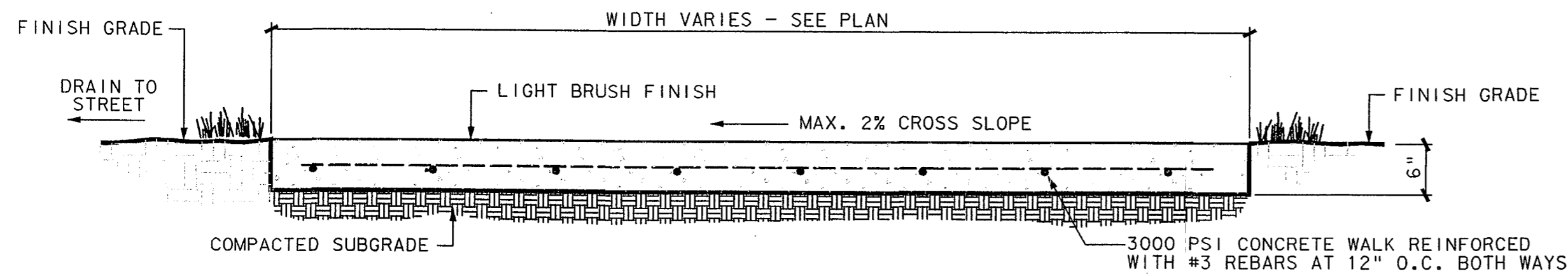
PIPING NOTES:

1. MINIMUM PIPE SIZE FOR SPRAY SECTIONS SHALL BE 1/2".
2. MINIMUM PIPE SIZE FOR ROTOR SECTIONS SHALL BE 3/4".
3. THE MINIMUM AMOUNT OF PIPE LABELING IS INDICATED. THE PIPE SIZES ARE LABELED WHERE THEY INCREASE IN PIPE SIZE MOVING FROM DOWNSTREAM TO UPSTREAM ALONG THE SECTION. WHERE PIPE IS NOT LABELED DOWNSTREAM IT SHALL BE OF THE MINIMUM SIZE.

Irrigation Contractor Is Responsible For Obtaining A Copy Of The Town Of Addison's Irrigation Specifications, And Adhering To The Specifications During Installation Of The Irrigation System..

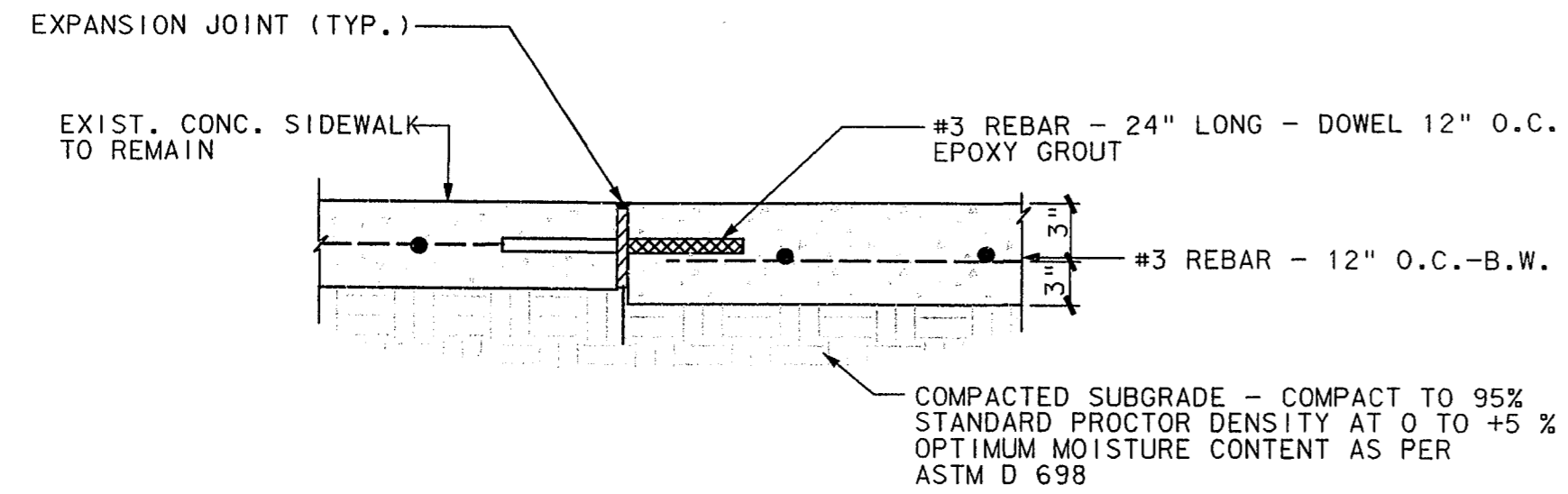


IRRIGATION PLAN



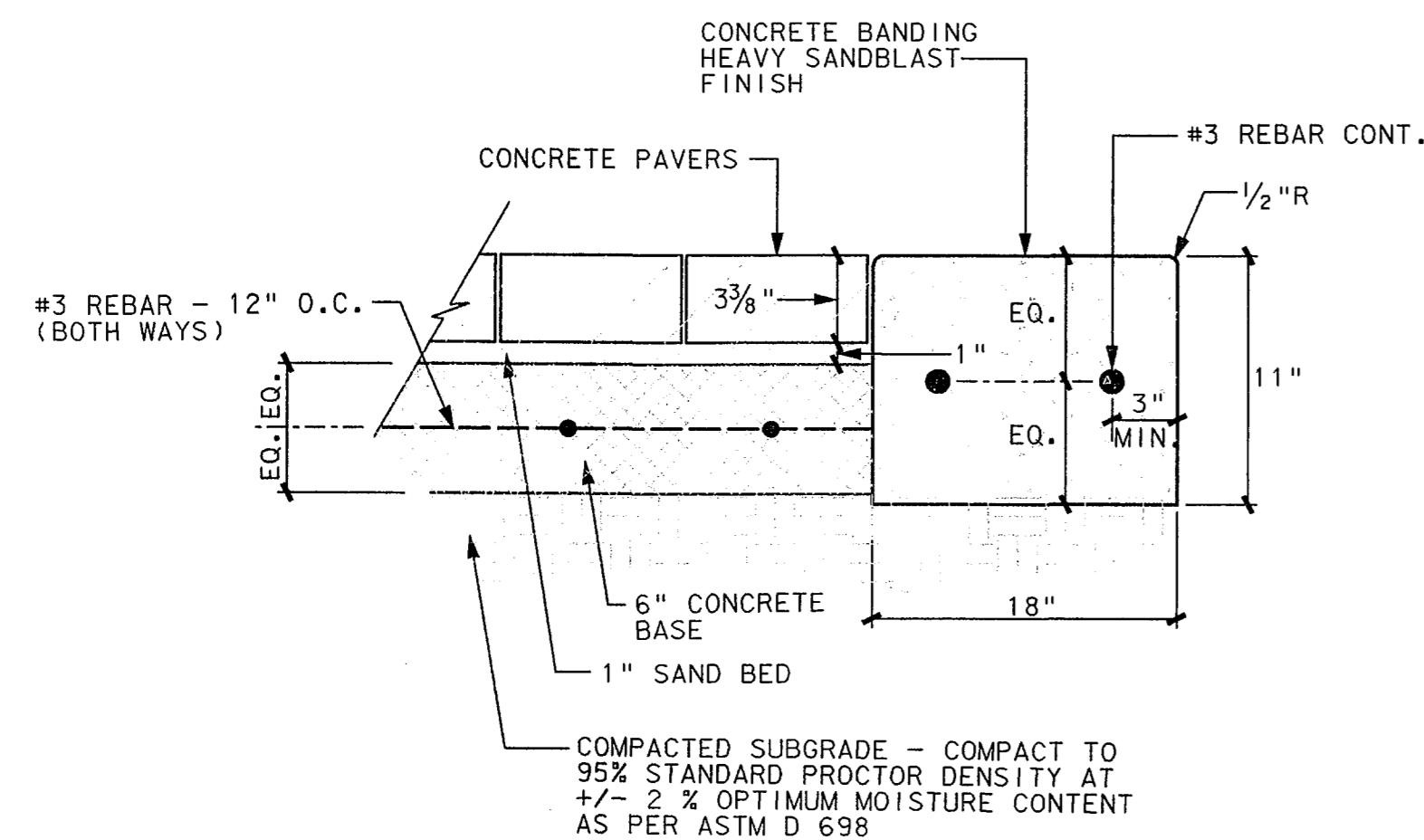
WALK DETAIL

N.T.S.



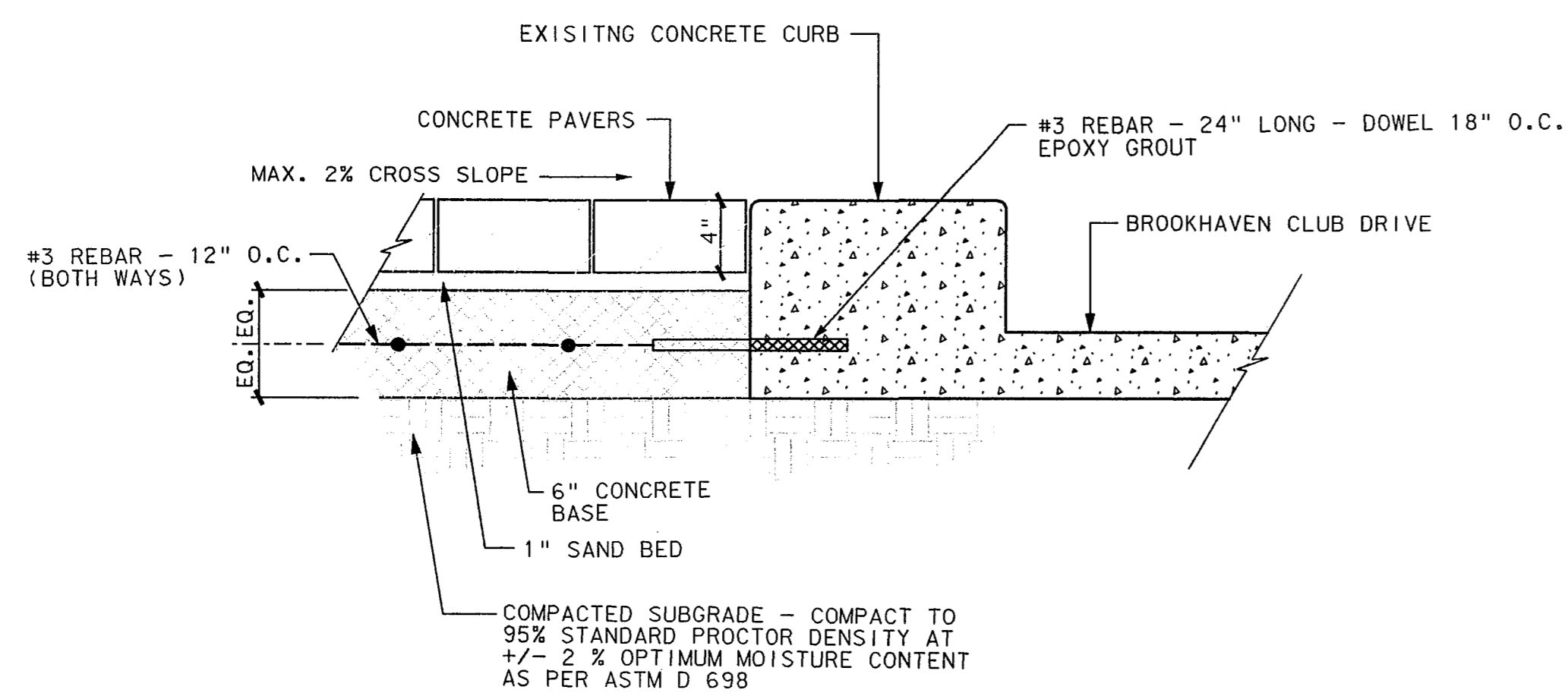
PROPOSED SIDEWALK TO EXISTING SIDEWALK CONNECTION

1" = 1'-0"



DART PLAZA CONCRETE PAVERS & 18" CONCRETE BAND

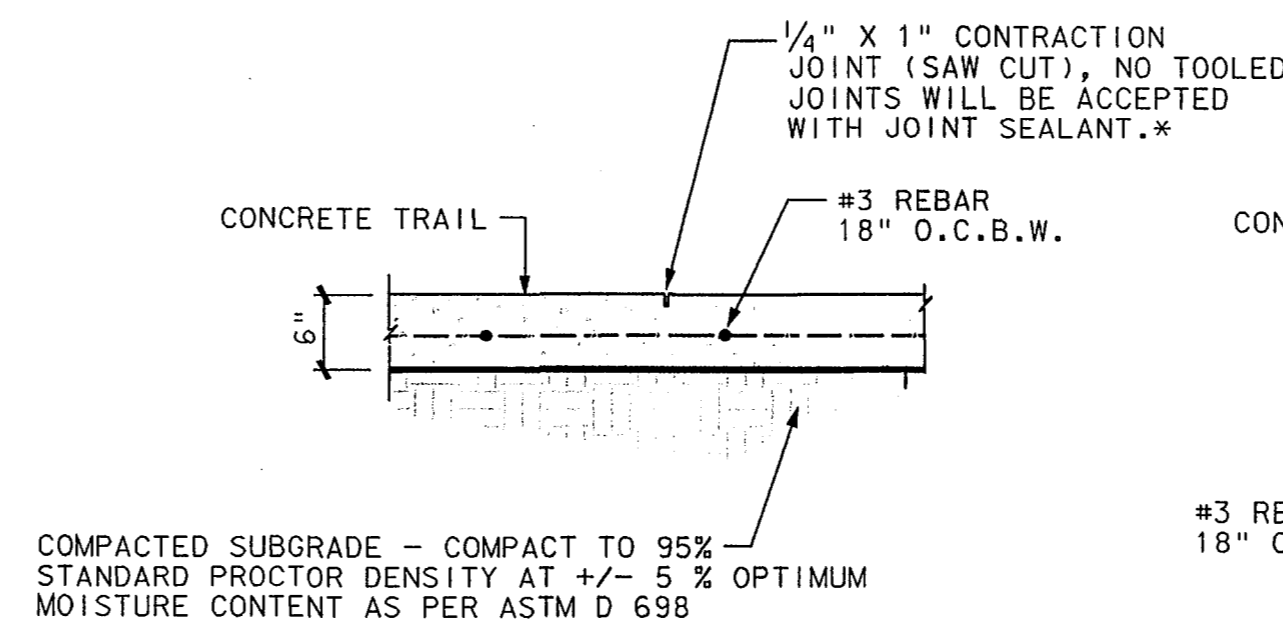
1/2" = 1'-0"



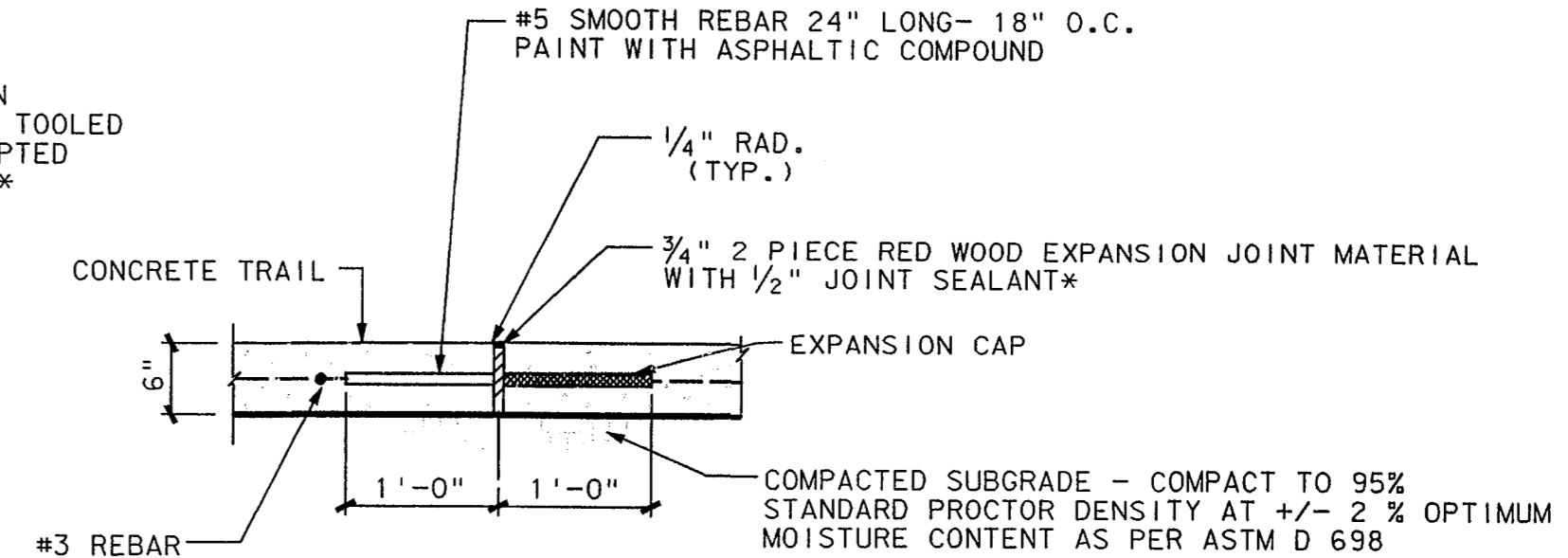
CONCRETE PAVERS & EXISTING CONCRETE CURB AT DART PLAZA

1/2" = 1'-0"

NOTE: CONTRACTION JOINTS SHALL BE SPACED 10' O.C. UNLESS OTHERWISE NOTED ON DRAWINGS



CONTRACTION JOINT

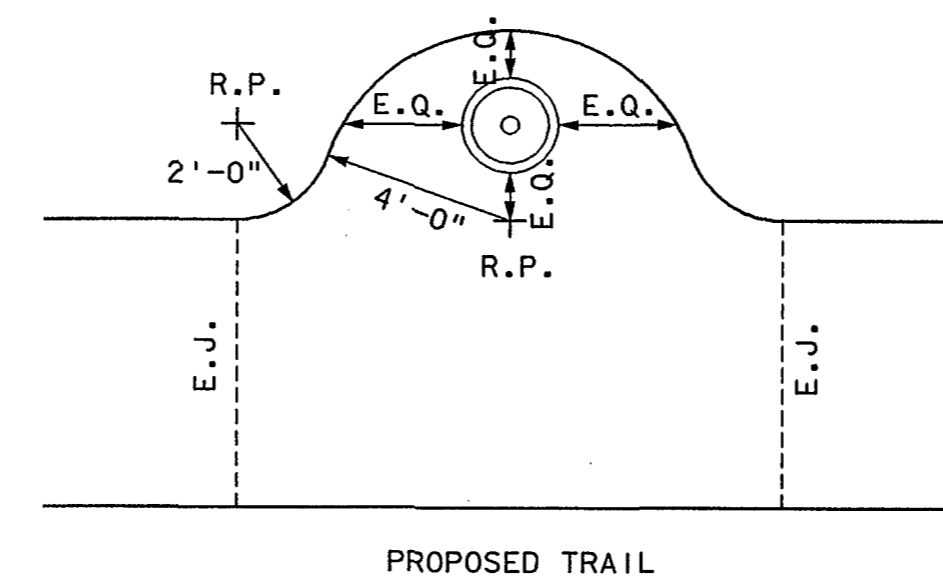


EXPANSION JOINT

* CONTRACTOR TO SUBMIT JOINT SEALANT COLORS TO OWNER FOR APPROVAL.

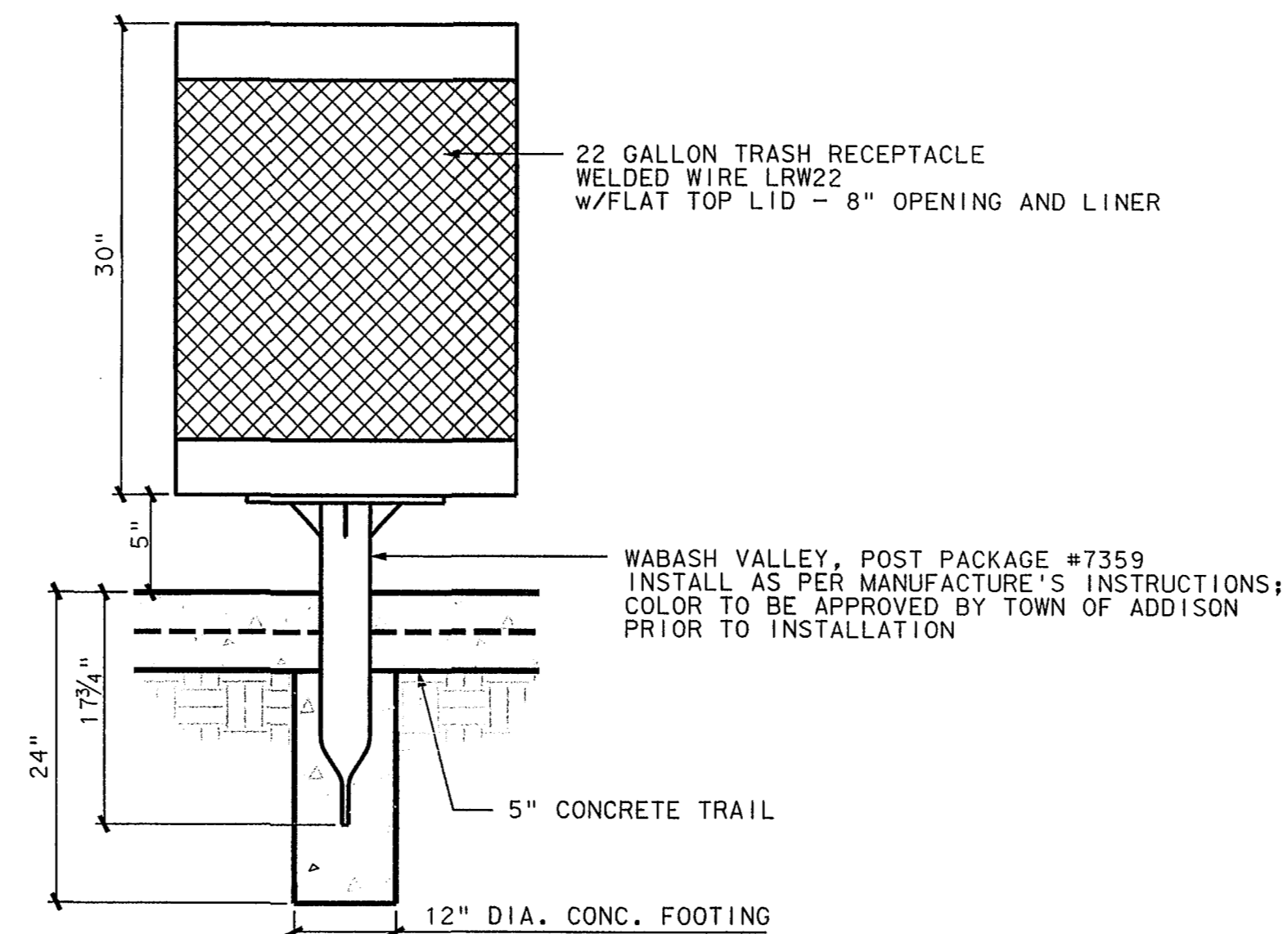
CONTRACTION & EXPANSION JOINTS

1" = 1'-0"



TRASH RECEPTACLE - PLAN

1/4" = 1'-0"



NOTE: DO NOT CONSTRUCT TRASH RECEPTACLE WITH LEAVE OUTS FOR ANCHORING POST.

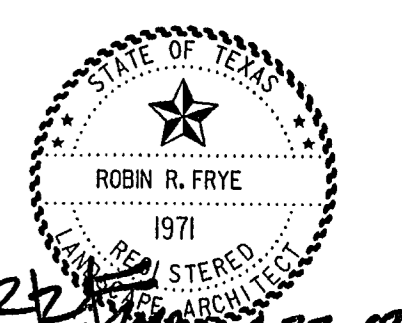
TRASH RECEPTACLE

1" = 1'-0"

Frye Associates

2874 Ridgedale Dr.
Lewisville, Texas 75067

WATER SMART IRRIGATION, Inc.
P.O. BOX 160518
The Colony, Texas 75068



BROOKHAVEN CLUB DRIVE PARK
Town of Addison
Parks Recreation & Landscape Development
P.O. Box 9010
Addison, Texas 75001

Town of Addison

F&A JOB NUMBER: 0228

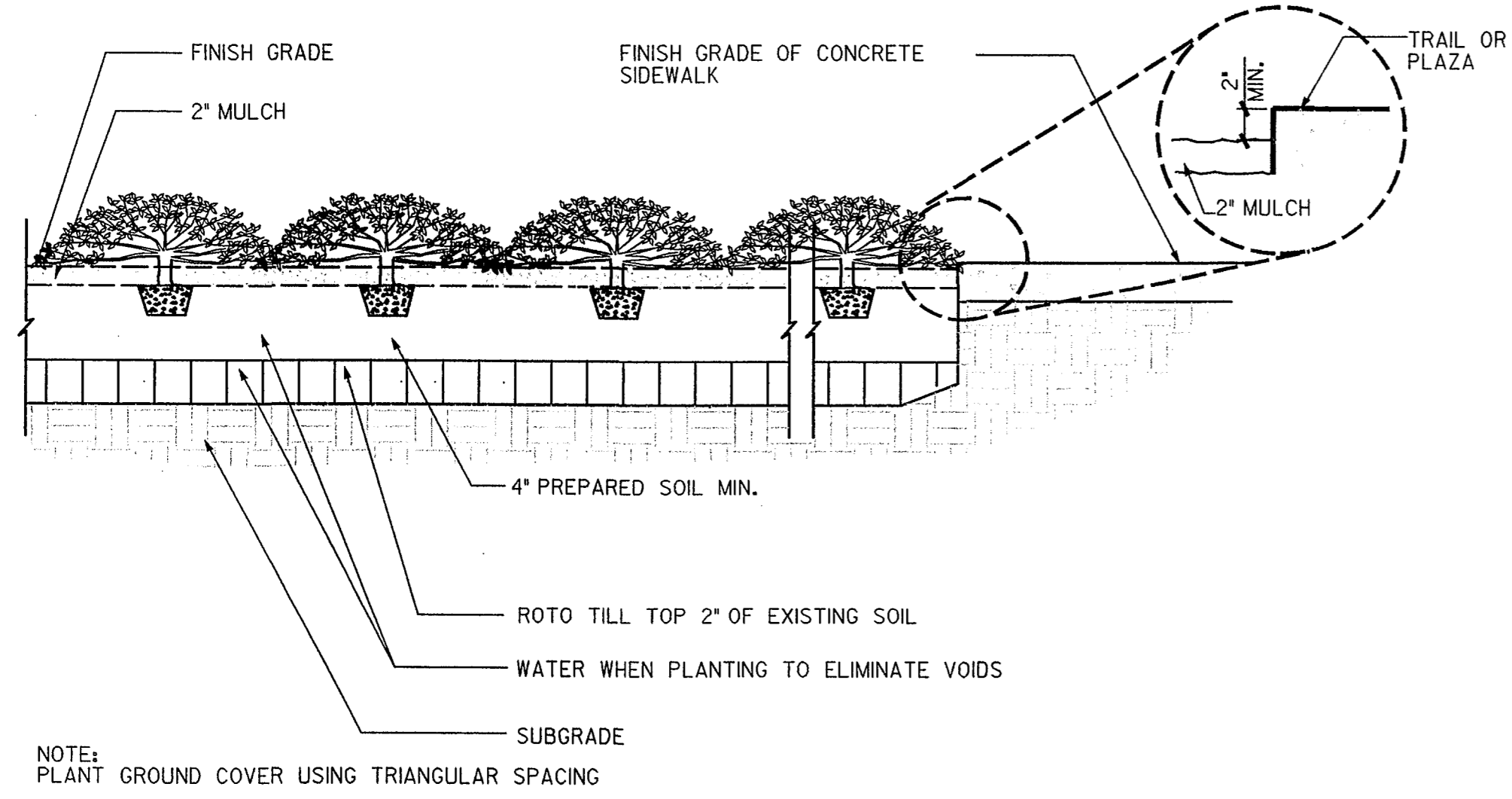
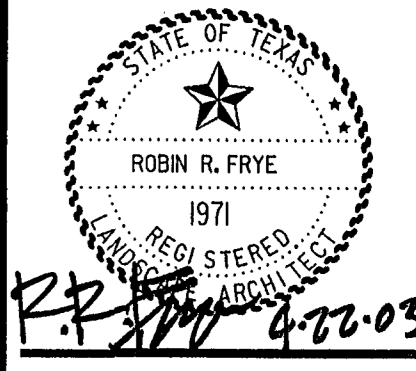
DATE ISSUED: Apr. 22, 2003

REVISIONS:

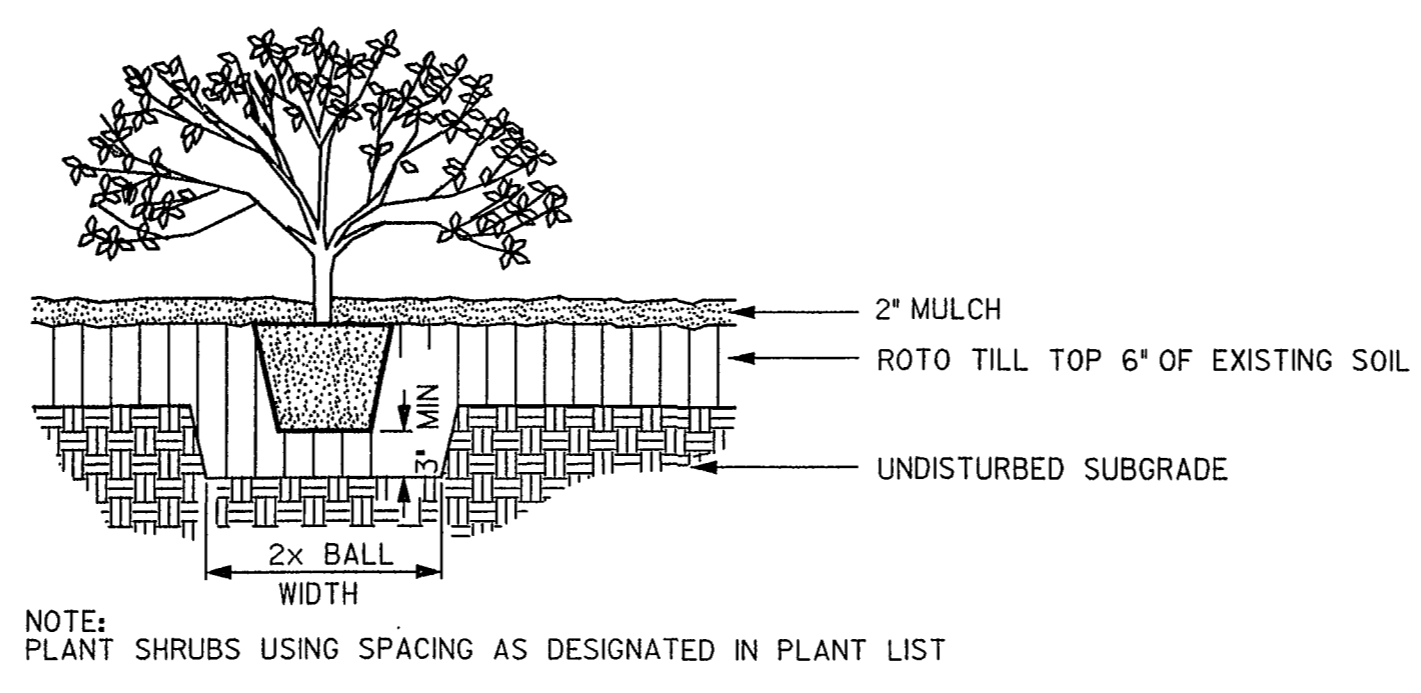
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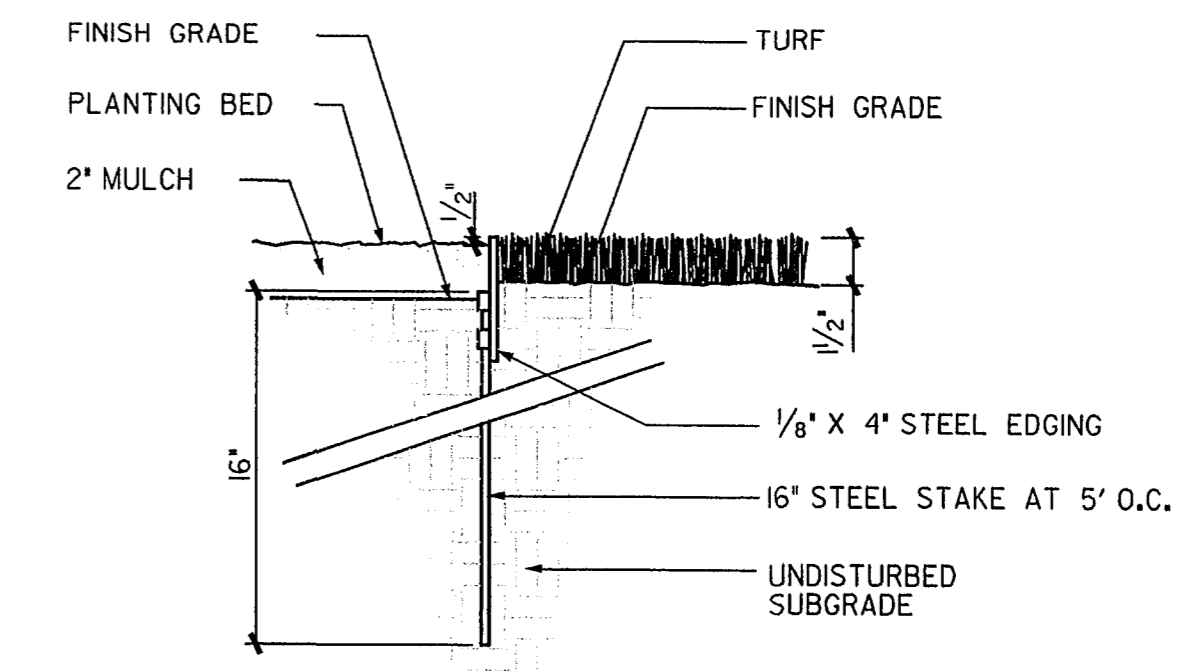
SITE DETAILS



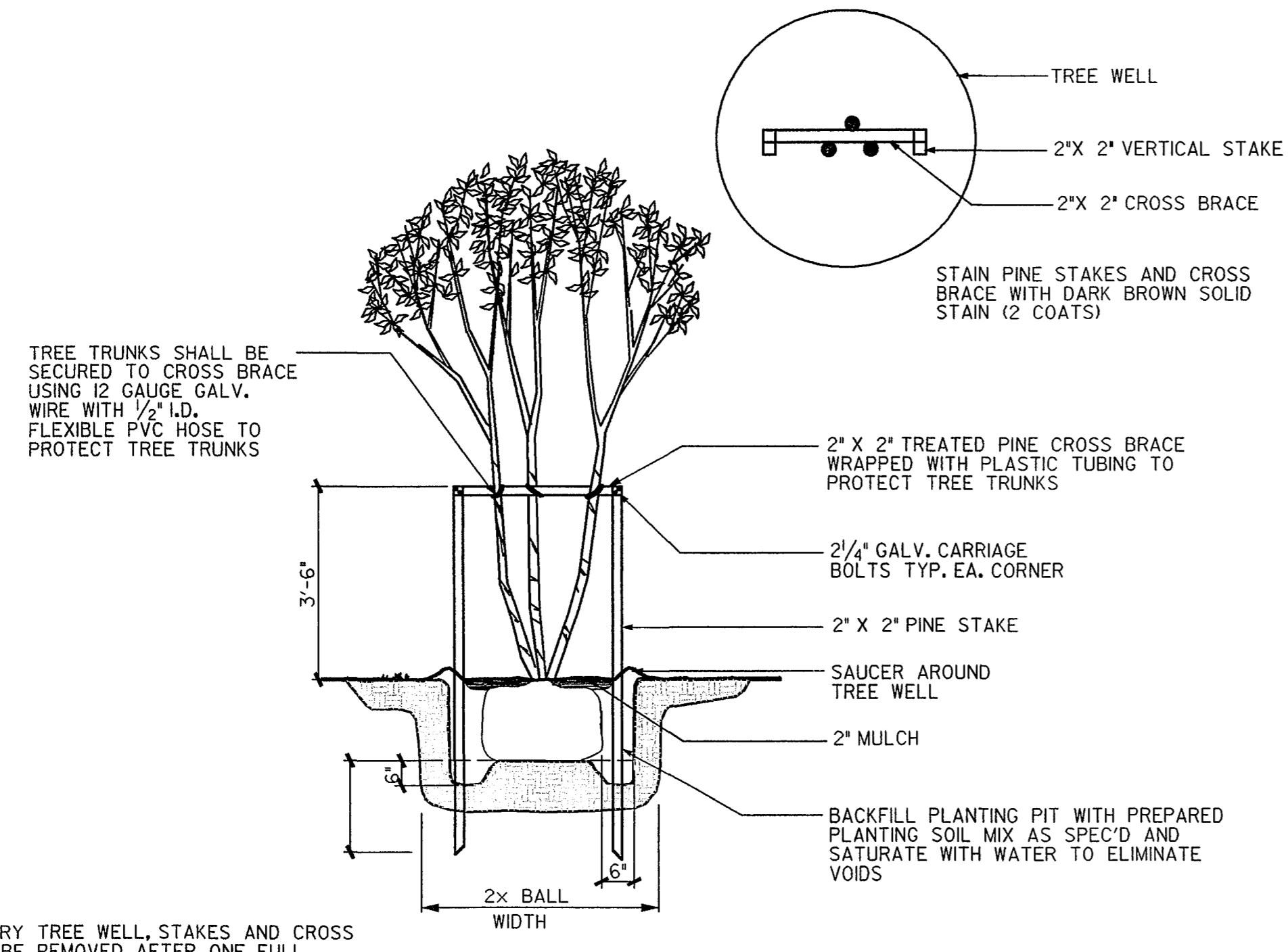
GROUND COVER PLANTING DETAIL
N.T.S.



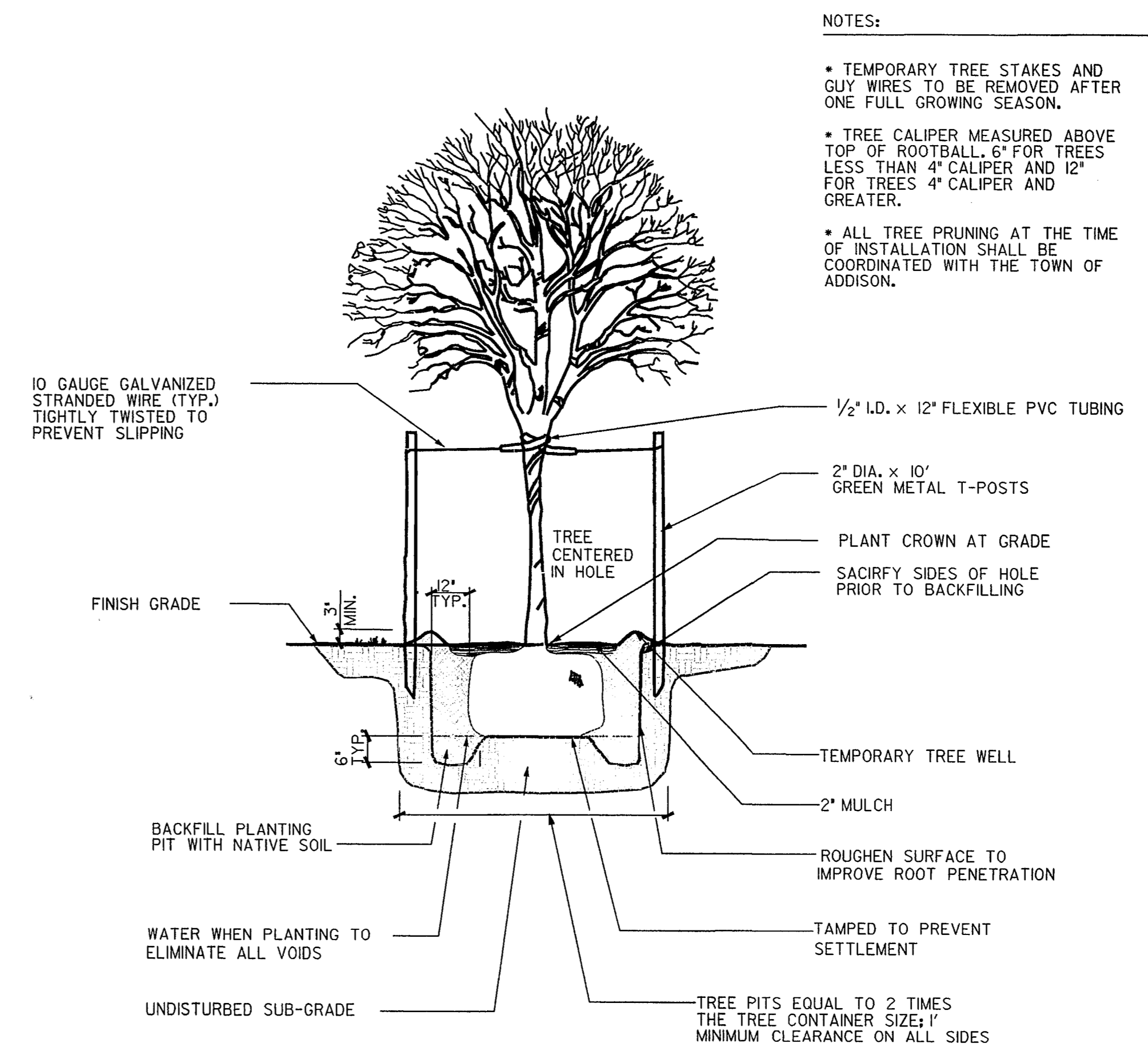
SHRUB PLANTING DETAIL
N.T.S.



STEEL EDGING
N.T.S.



MULTI-TRUNK TREE PLANTING & STAKING DETAIL
N.T.S.



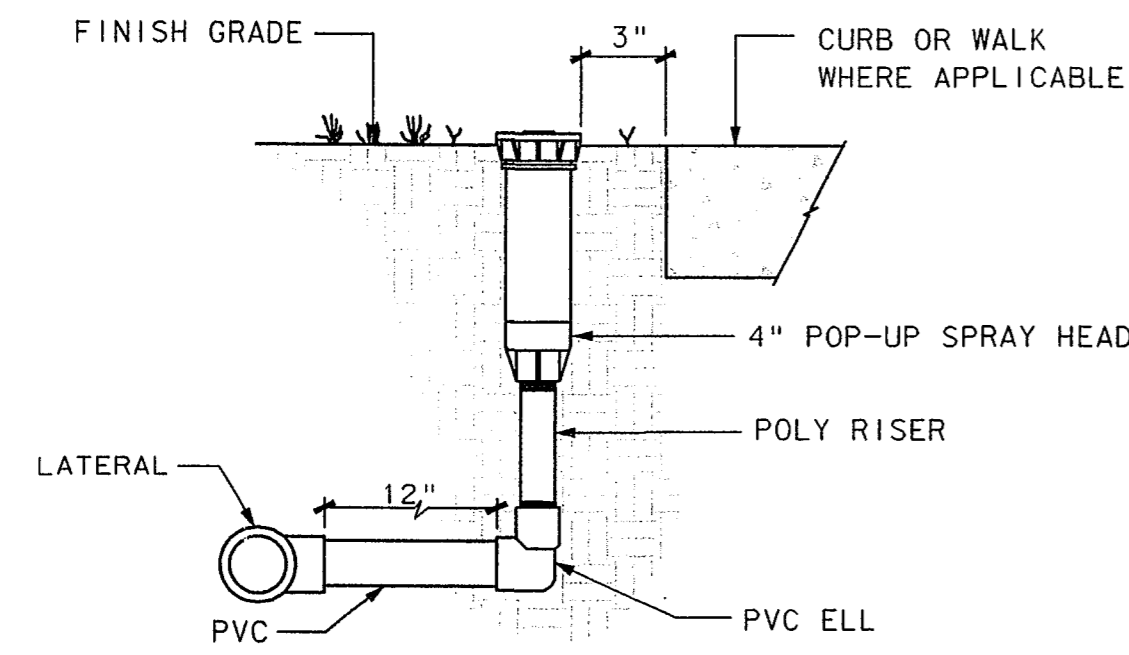
TREE PLANTING & STAKING DETAIL
N.T.S.

- NOTES:
- TEMPORARY TREE STAKES AND GUY WIRES TO BE REMOVED AFTER ONE FULL GROWING SEASON.
 - TREE CALIPER MEASURED ABOVE TOP OF ROOTBALL. 6" FOR TREES LESS THAN 4" CALIPER AND 12" FOR TREES 4" CALIPER AND GREATER.
 - ALL TREE PRUNING AT THE TIME OF INSTALLATION SHALL BE COORDINATED WITH THE TOWN OF ADDISON.

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 Town of Addison
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 P.O. Box 9010
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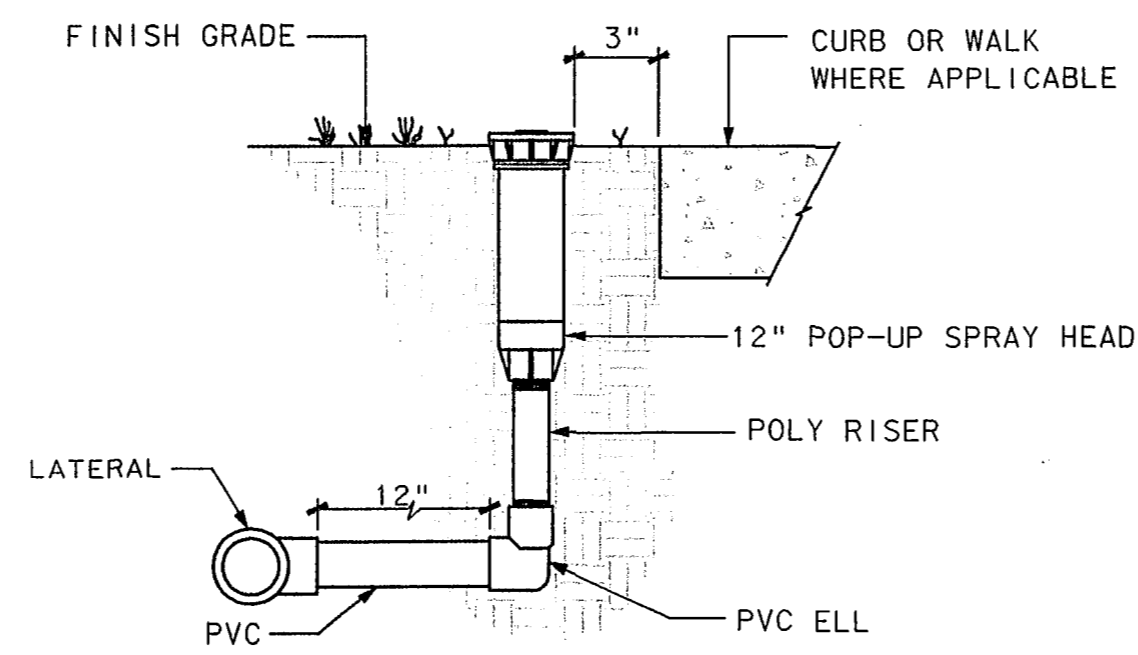
F&A JOB NUMBER:
0228
DATE ISSUED:
Apr. 22, 2003
REVISIONS:

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DT-2



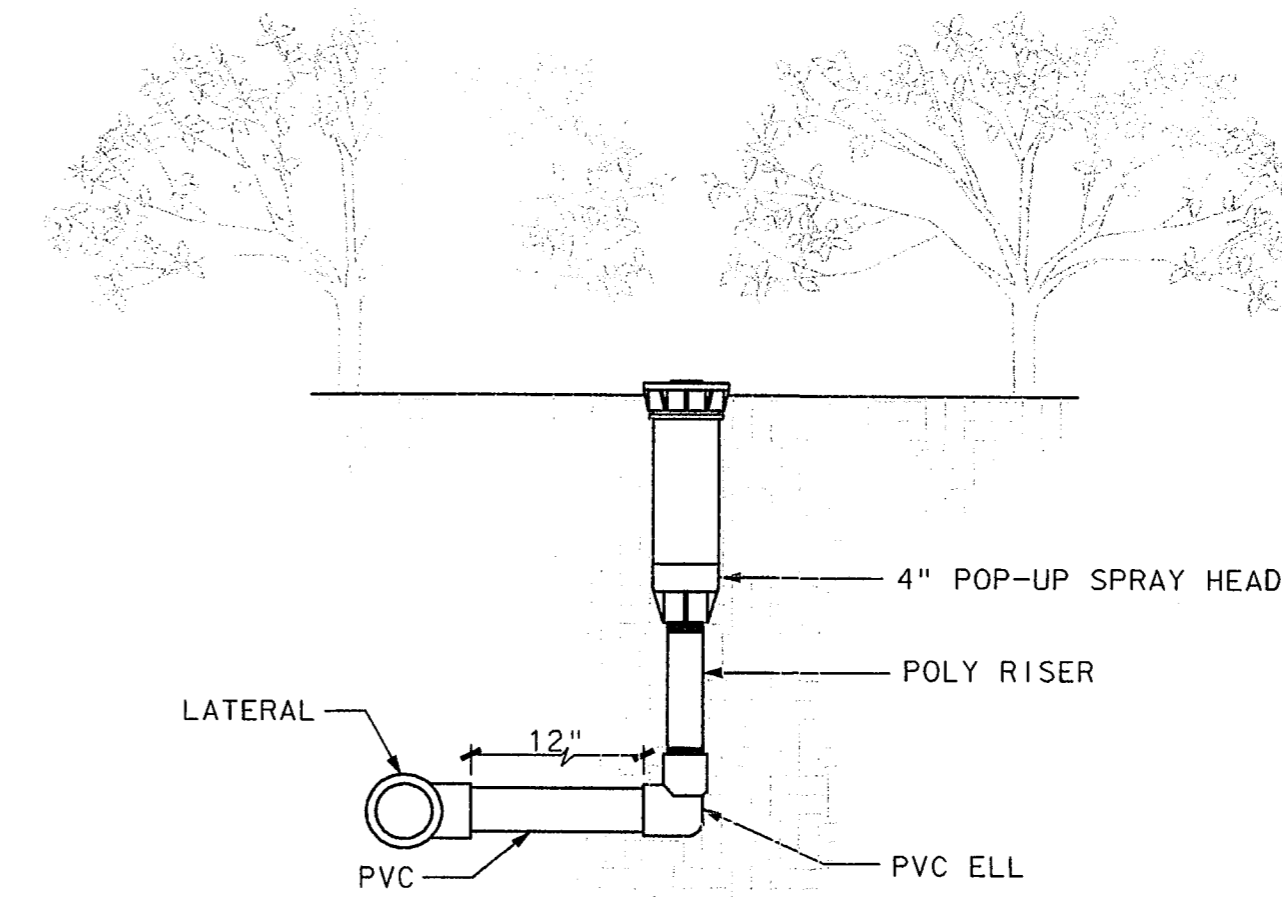
TURF POP-UP SPRAY HEAD DETAIL

NOT TO SCALE



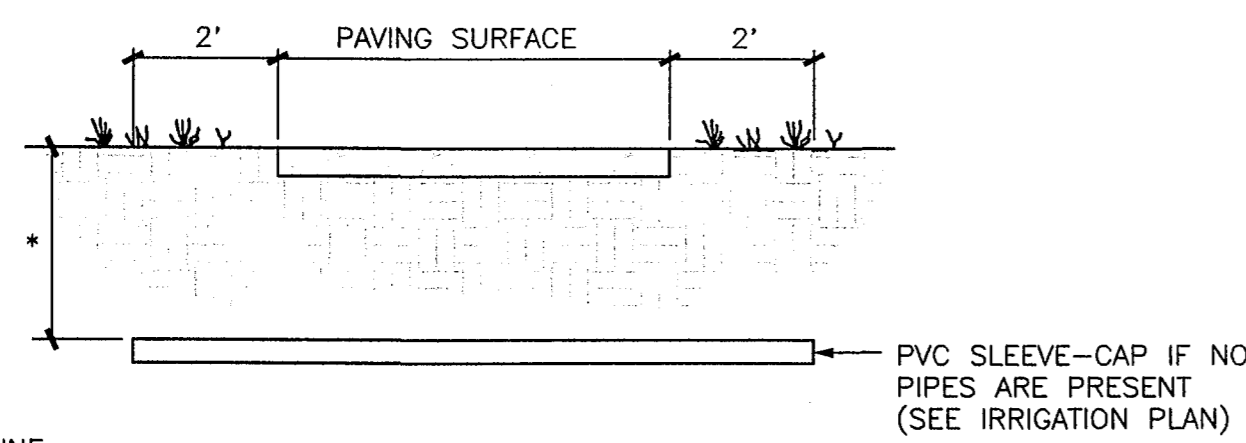
HIGH POP-UP SPRAY HEAD DETAIL

NOT TO SCALE



SHRUB POP-UP SPRAY HEAD DETAIL

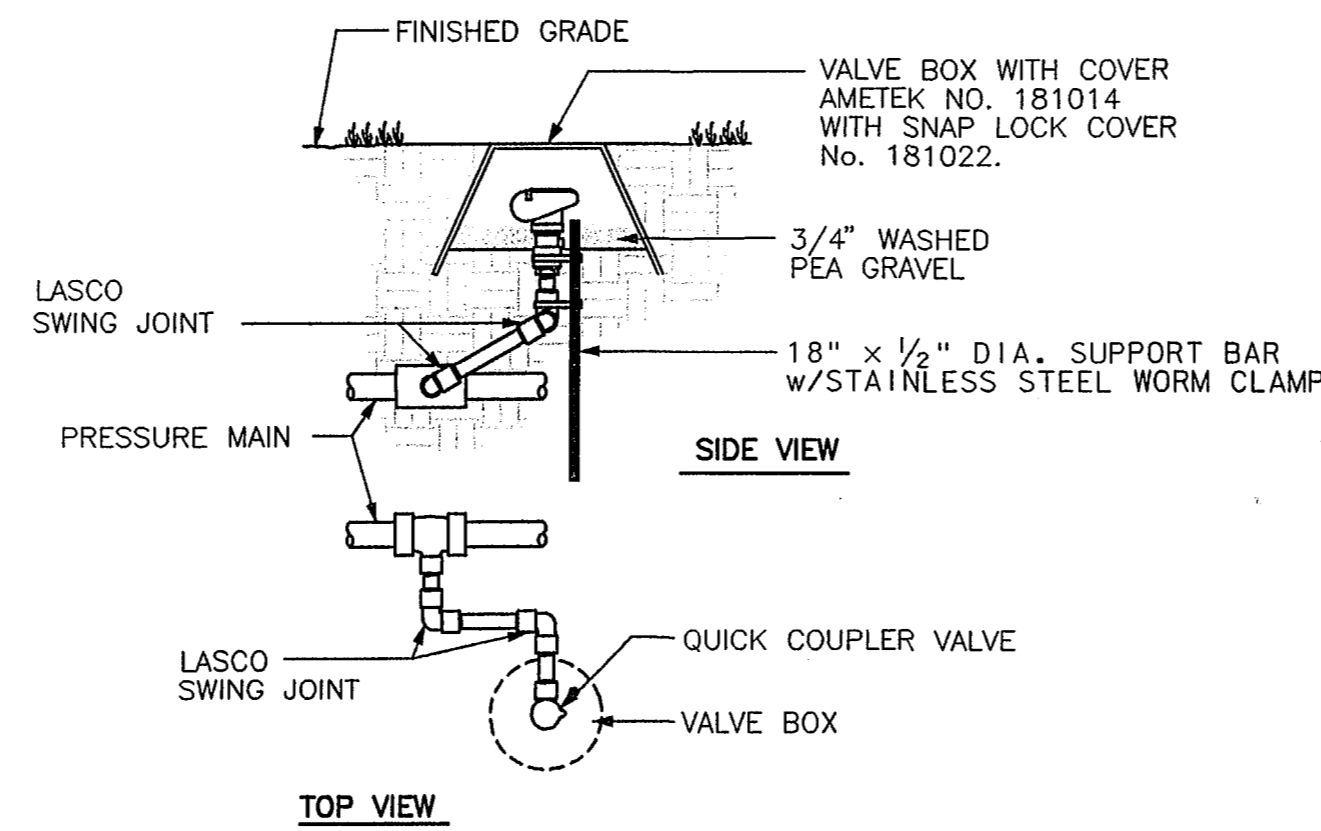
NOT TO SCALE



*18" MIN. FOR MAIN LINE
12" MIN. FOR LATERAL PIPING

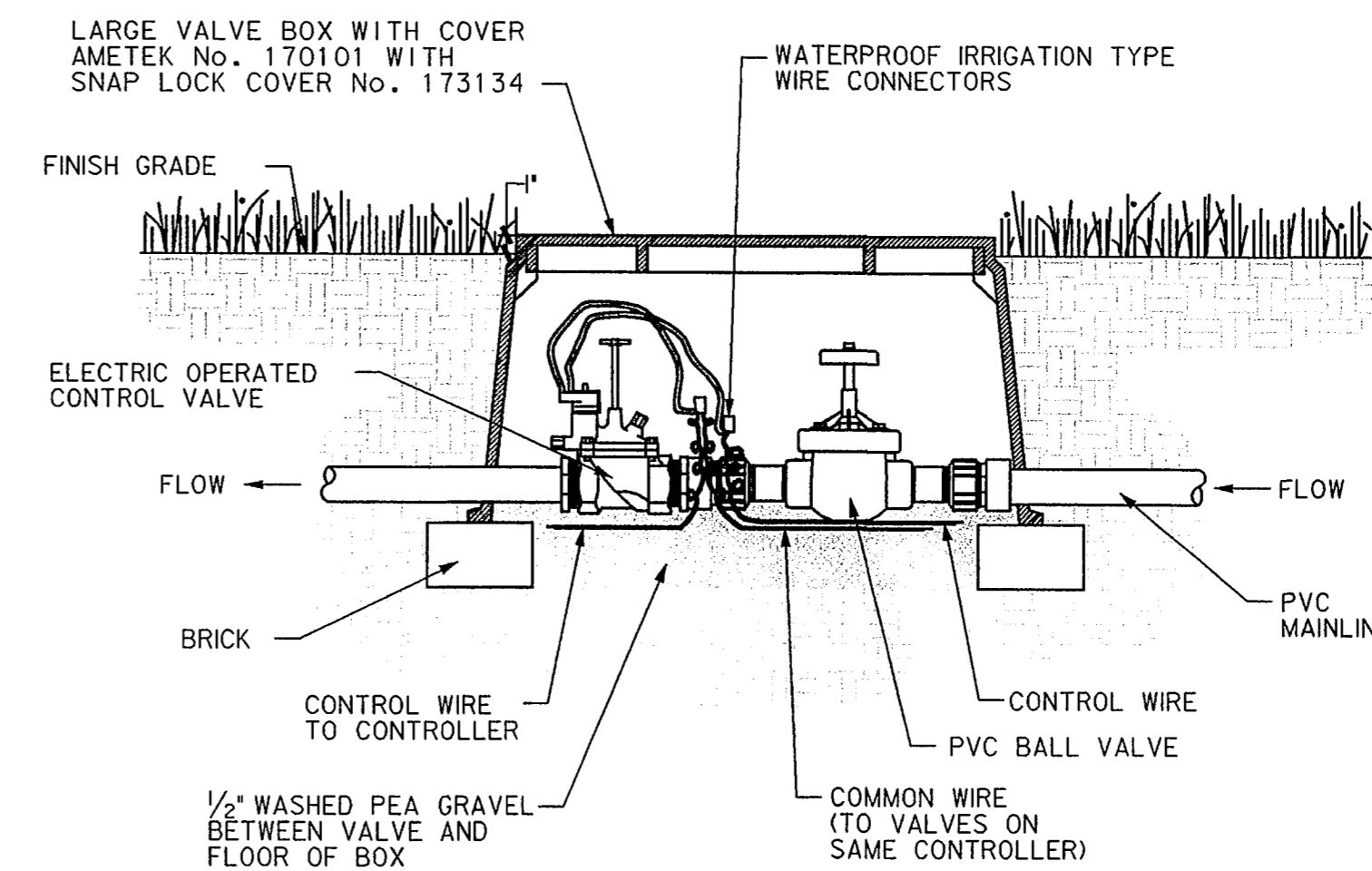
SLEEVE DETAIL

NOT TO SCALE



QUICK COUPLING VALVE DETAIL

NOT TO SCALE



NOTES

1. ALL WIRE TO BE INSTALLED PER LOCAL CODE.
2. TAPE AND BUNDLE WIRE EVERY TEN FEET.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. (WRAP AROUND 1/2" PIPE 15 TIMES.)
4. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
5. ORIENT RECTANGULAR VALVE BOXES SO THAT THE EDGES ARE PARALLEL TO ADJACENT WALKS, CURBS, ETC.

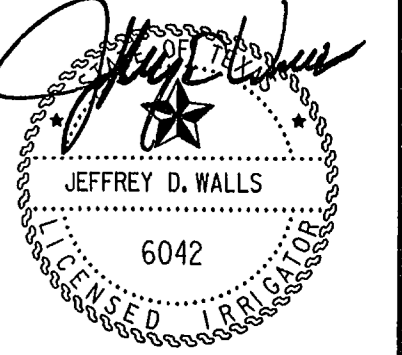
SOLENOID VALVE DETAIL

NOT TO SCALE

Frye Associates

2874 Ridgedale Dr.
Lewisville, Texas 75067

WATER SMART IRRIGATION, Inc.
P.O. BOX 60518
The Colony, Texas 76202



BROOKHAVEN CLUB DRIVE PARK

Town of Addison
Parks Recreation & Landscape Development
P.O. Box 9010
Addison, Texas 75001

Town of Addison

F&A JOB NUMBER:
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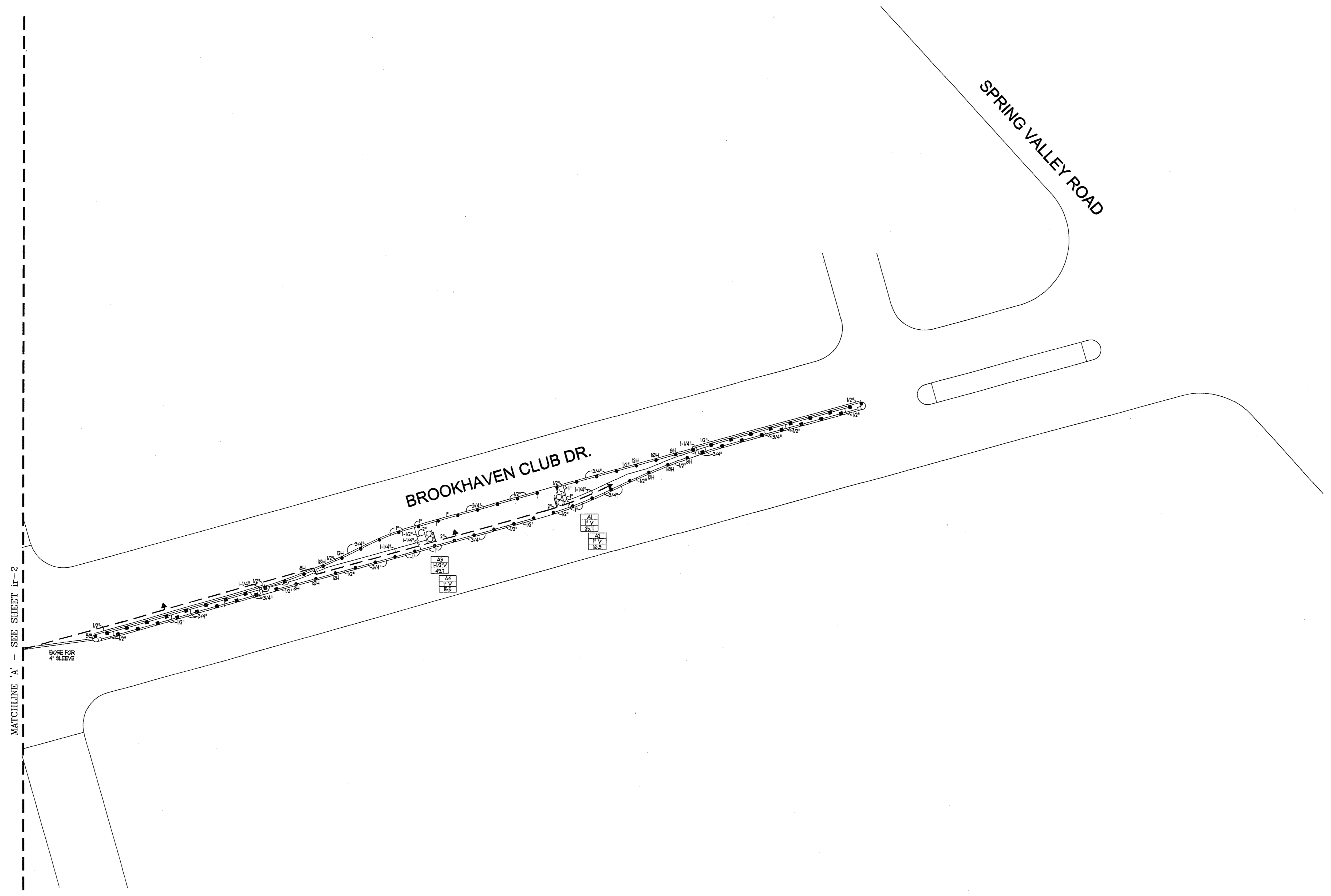
DATE ISSUED:
Apr. 22, 2003

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SHEET NUMBER:

DT-3



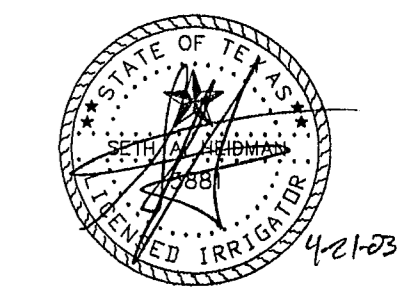
MATCHLINE 'A' - SEE SHEET ir-2

BORE FOR 4" SLEEVE

BROOKHAVEN CLUB DR.
ADDISON, TEXAS

itc
IRRI*TECH
CORPORATION

DESIGN DEPARTMENT
12650 SCHROEDER RD.
DALLAS, TEXAS 75243
TEL: (972) 231-5151
FAX: (972) 231-5172



Revisions

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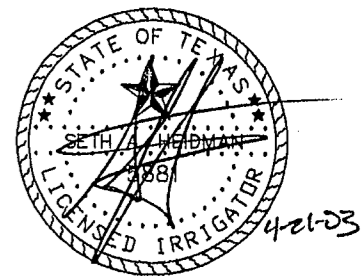
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 Appr: sah
 Scale: 1"=30'-0"
 Date: 04/21/03
 Project No: 02066

Sheet Title
**IRRIGATION
 PLAN**

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Revisions

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 Project No.: 02066

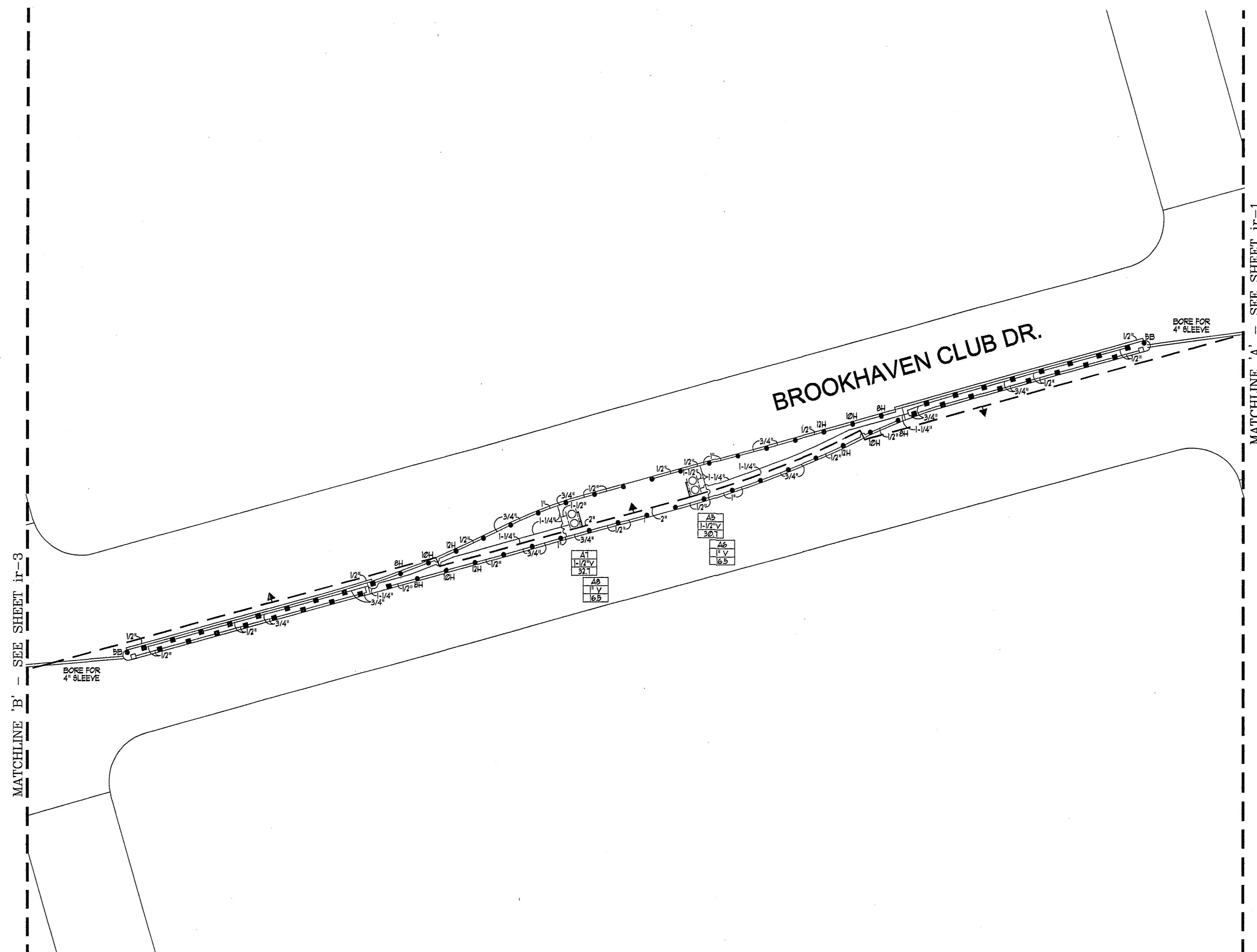
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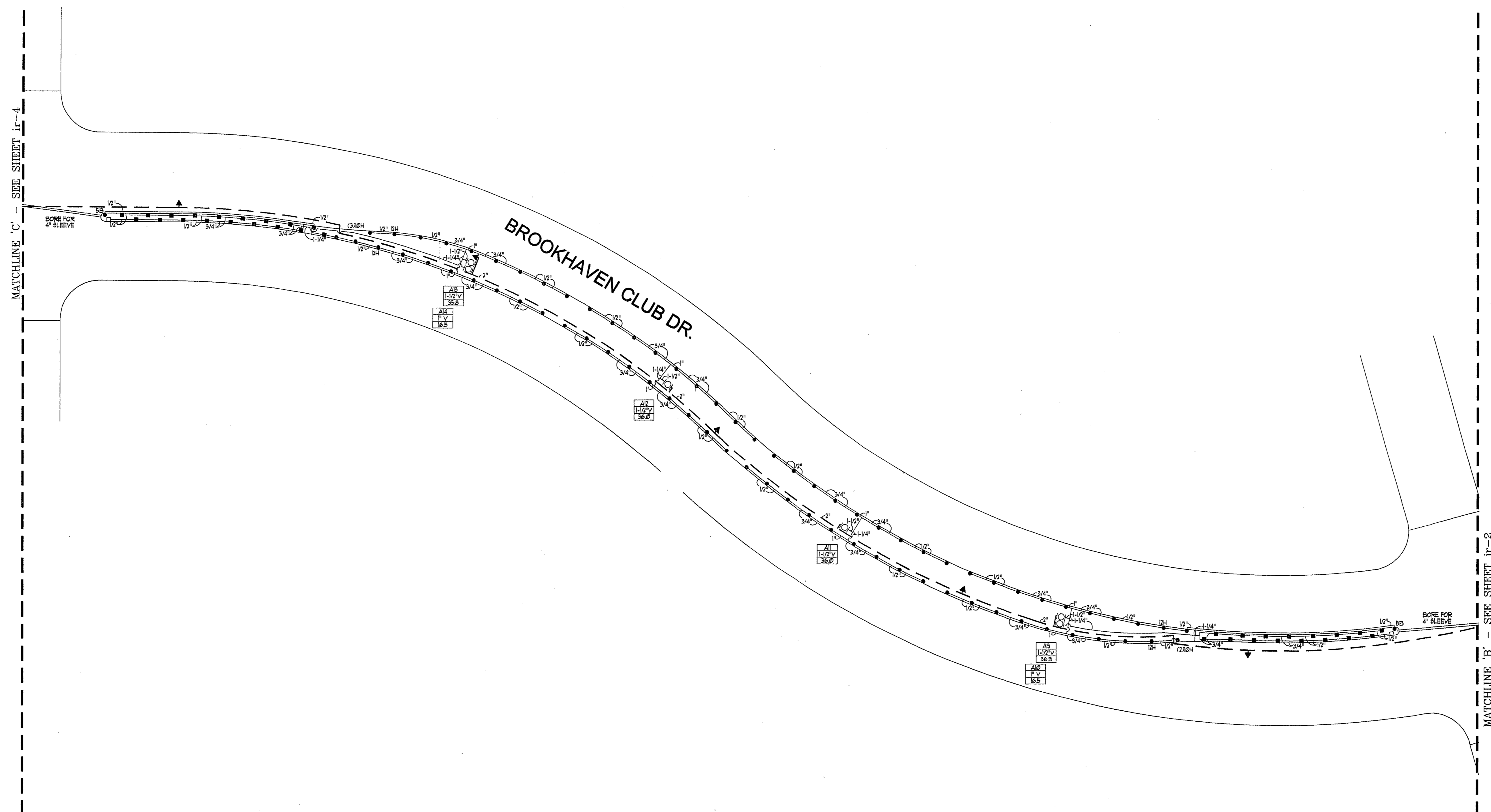
IRRIGATION
PLAN

Sheet No.

ir-2

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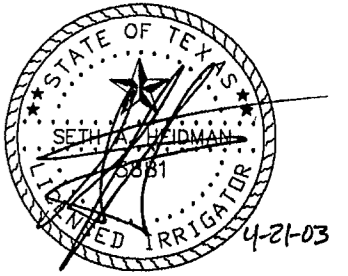




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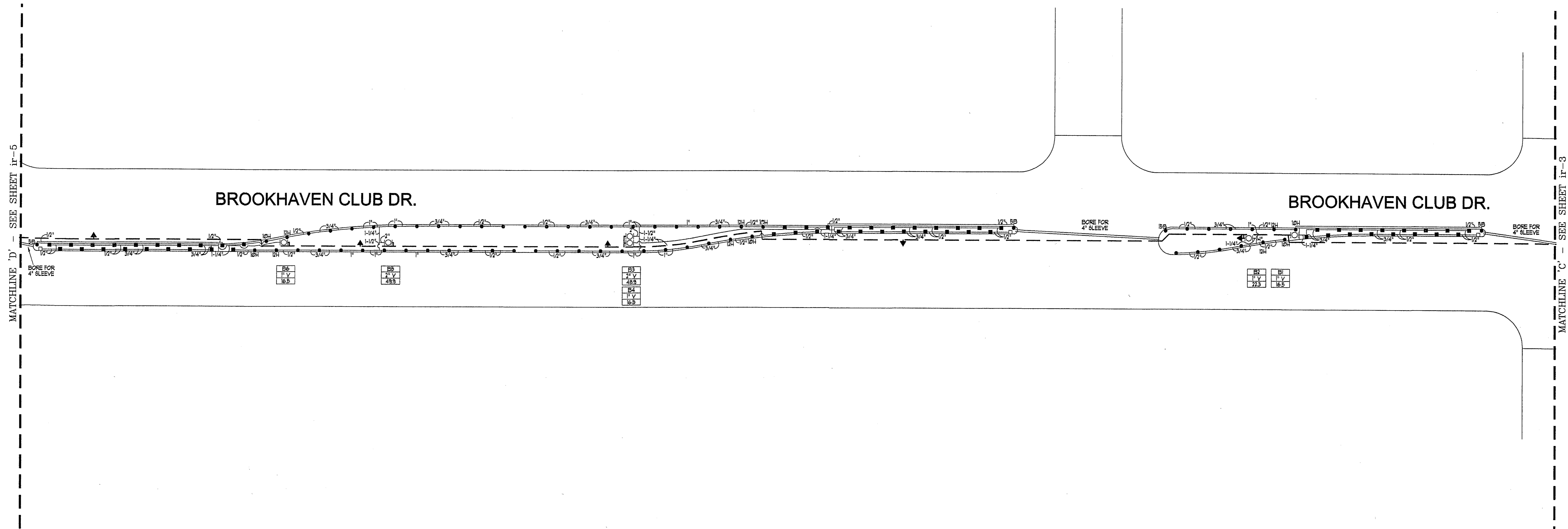
Revisions

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 Project No.: 02086

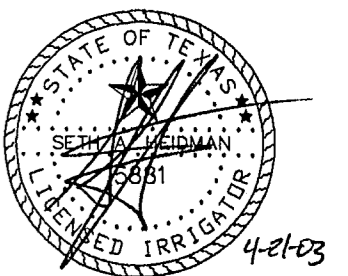
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IRRIGATION
PLAN

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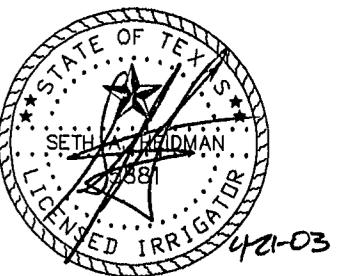


Revisions

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 Project No: 02066

Sheet Title
**IRRIGATION
 PLAN**



Revisions
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Sheet Title
IRRIGATION PLAN

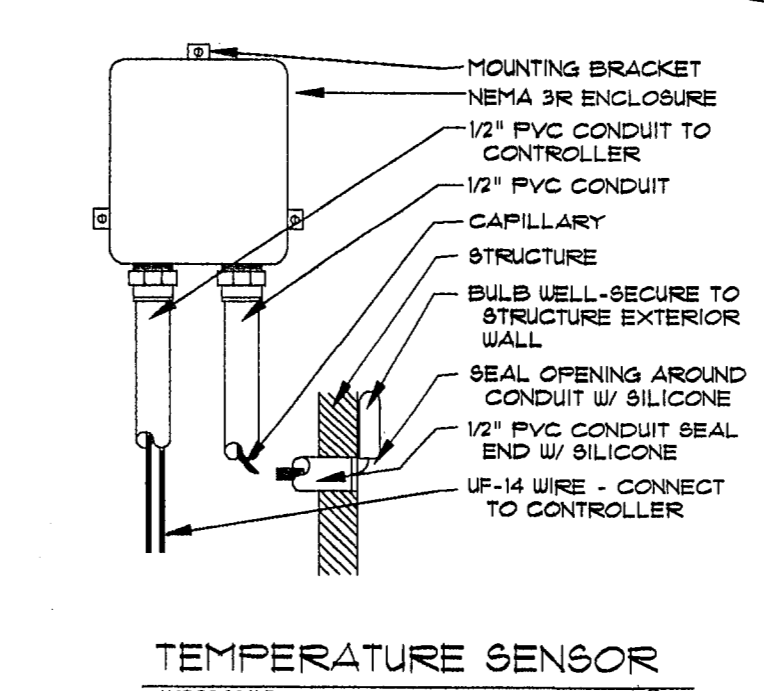
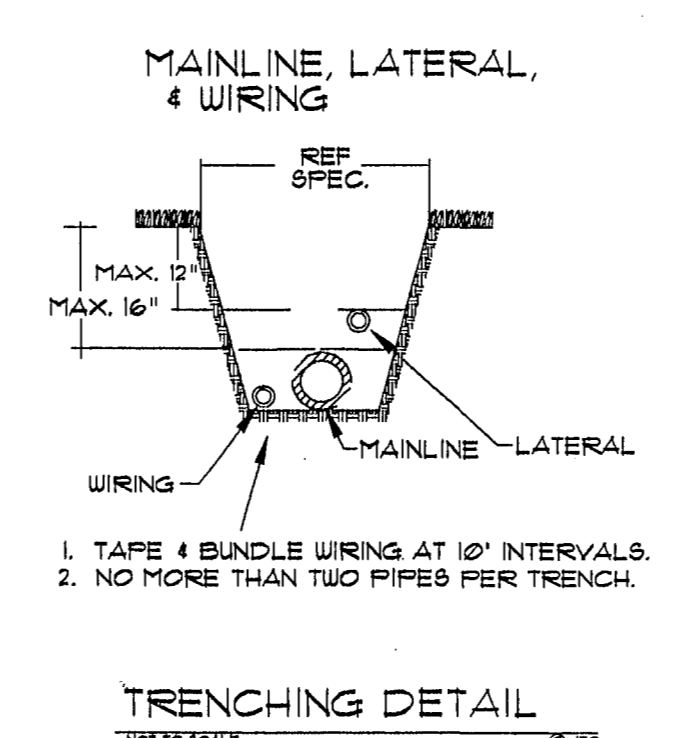
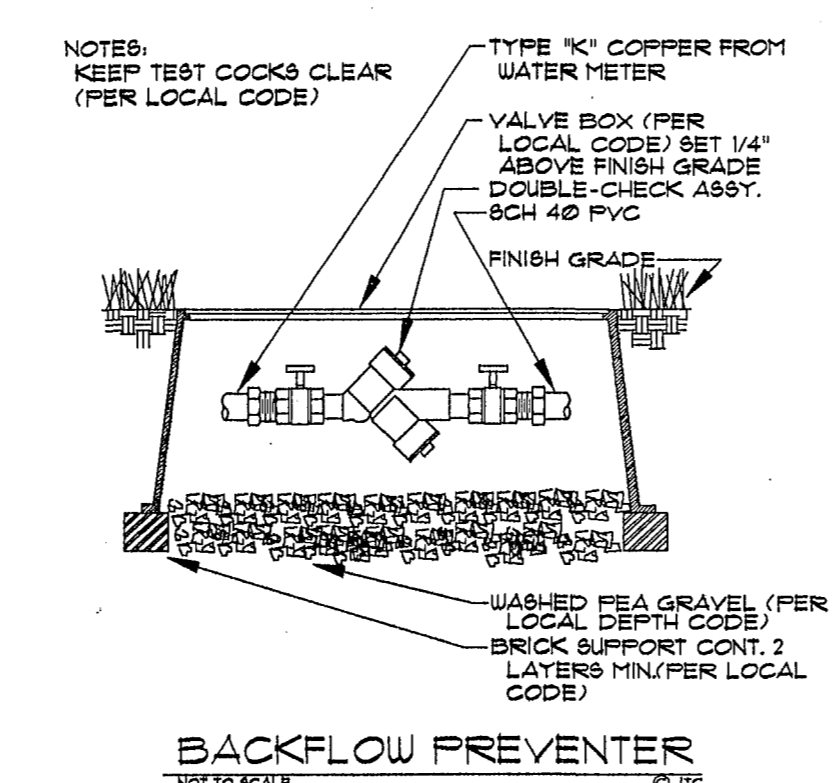
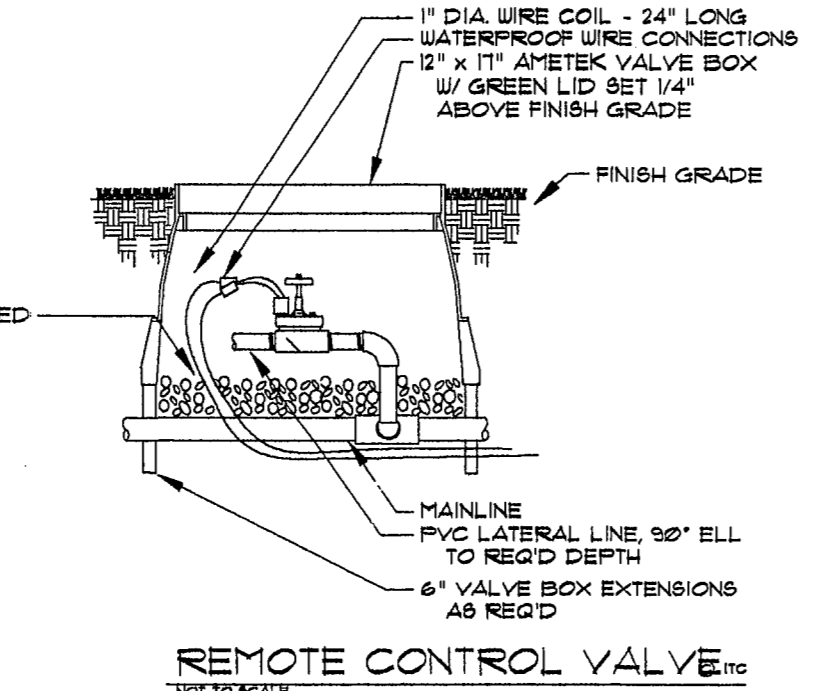
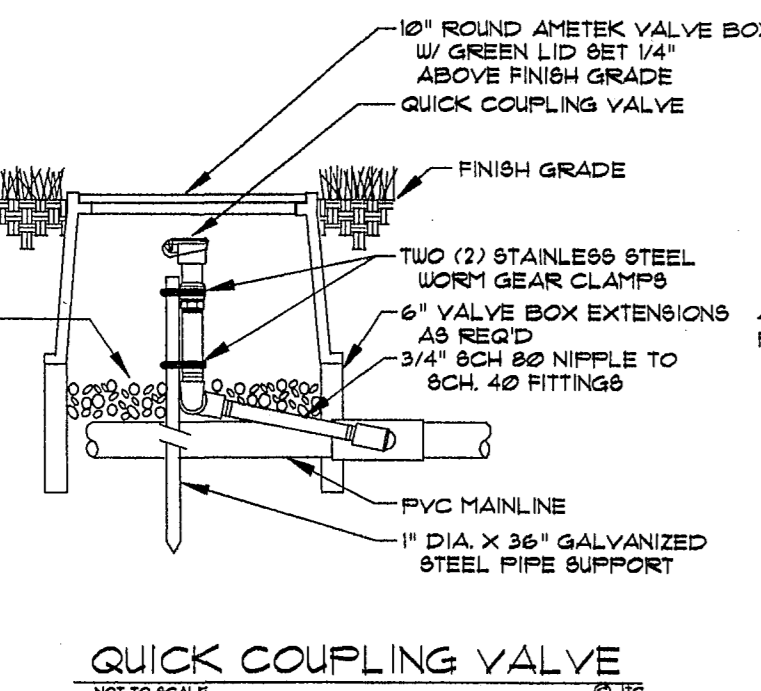
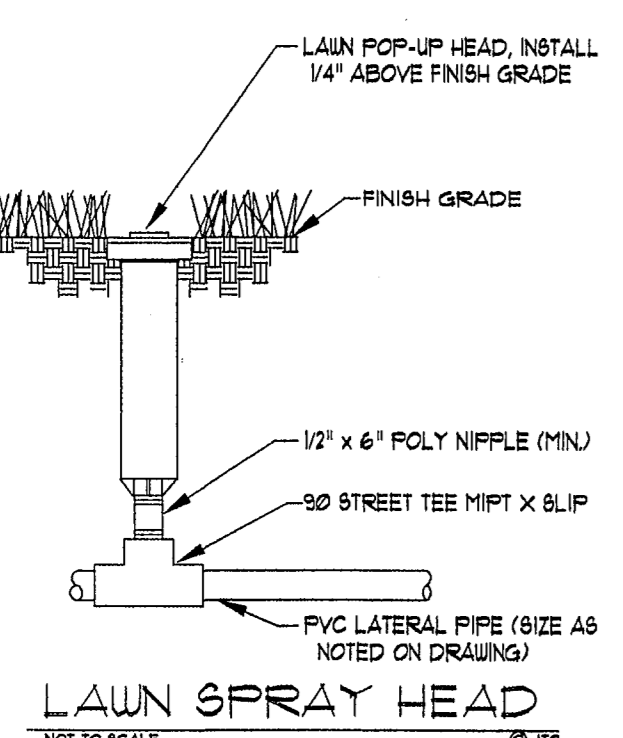
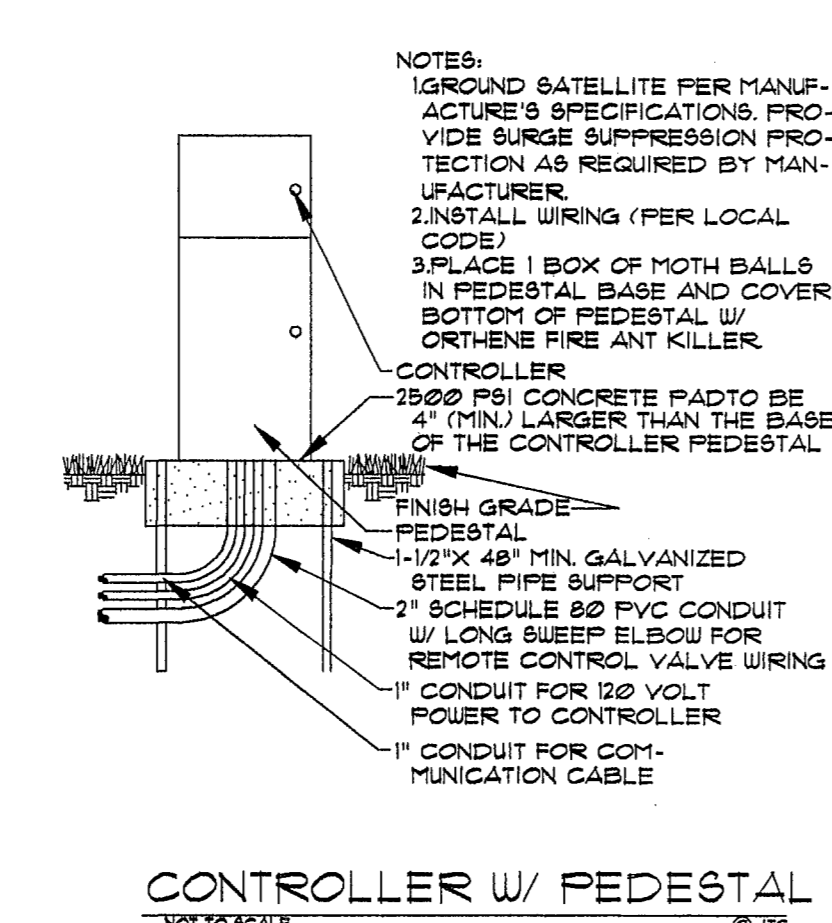
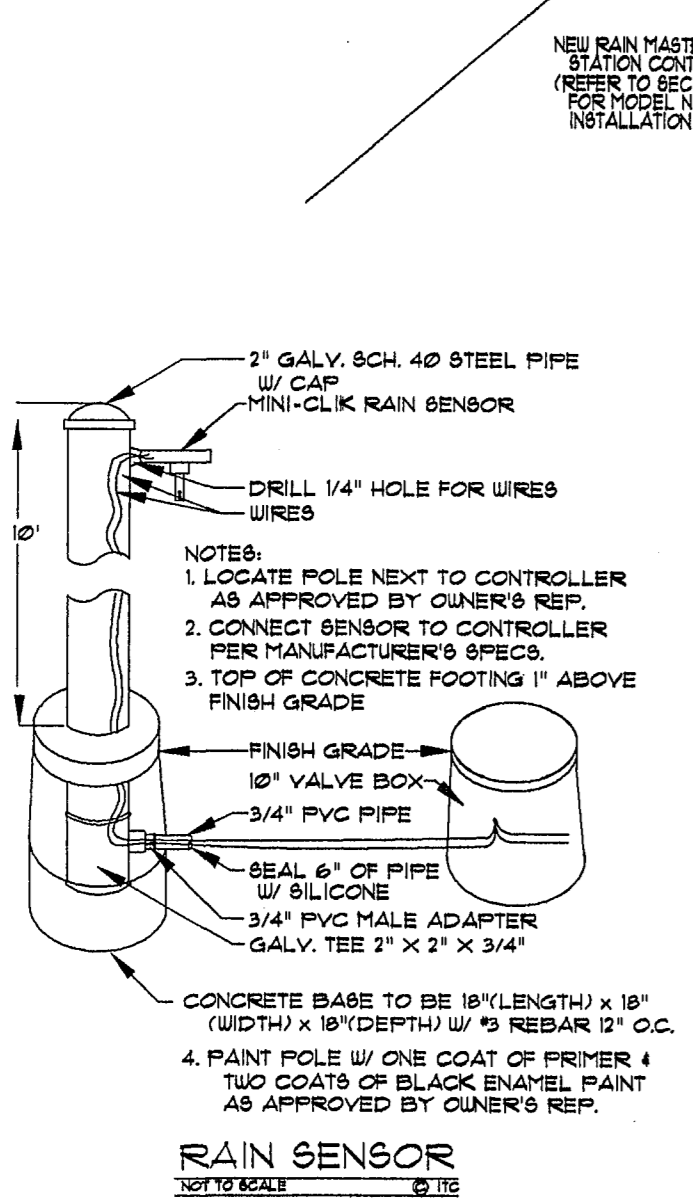
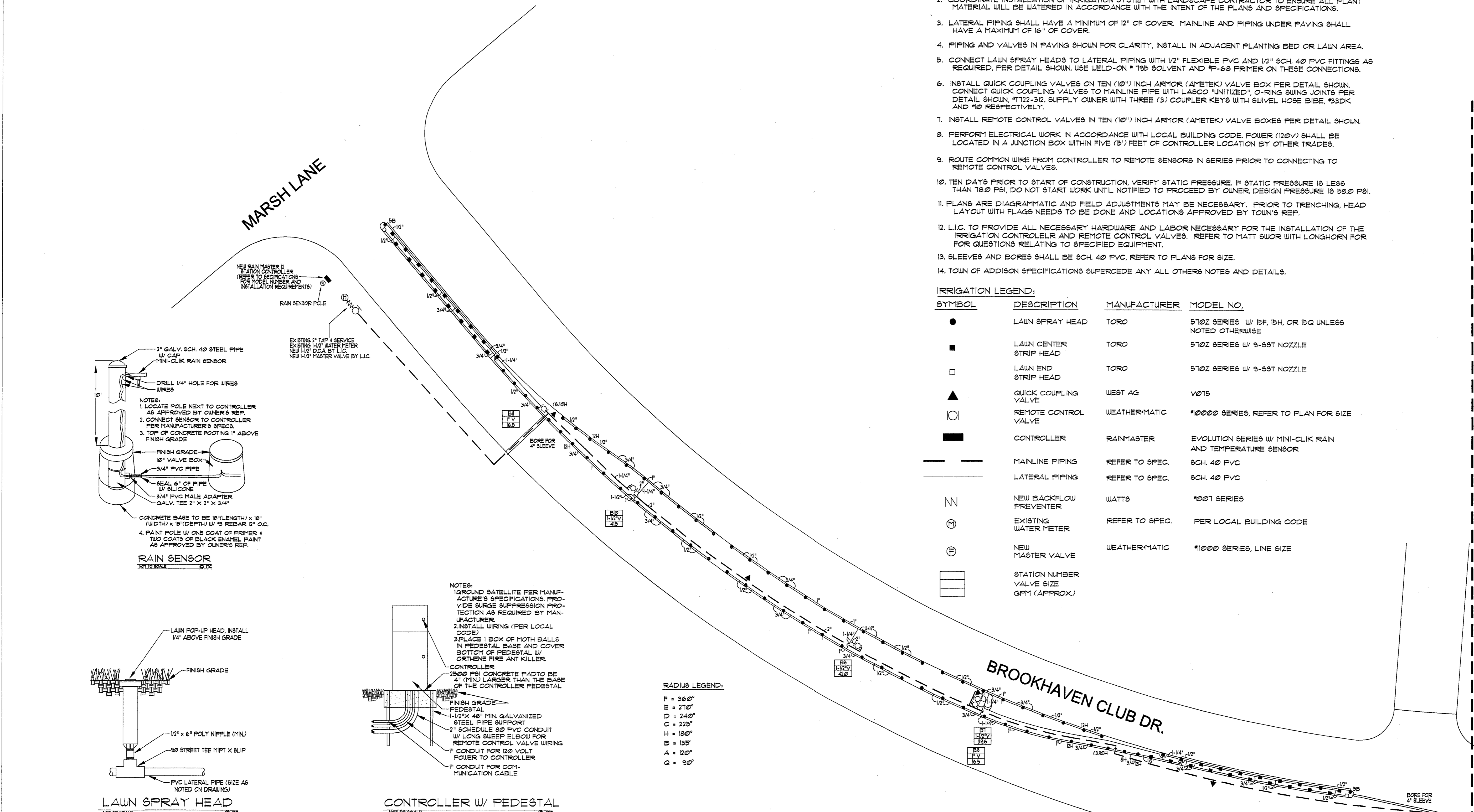
Sheet No. ir-5
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NOTES:

- ALL 24 VOLT LEAD VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR. ALL COMMON WIRING SHALL BE A MINIMUM OF UF-12 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE PERMANENT AND WATERPROOF.
- 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.
- LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MAXIMUM OF 16" OF COVER.
- PIPING AND VALVES IN PAVING SHOWN FOR CLARITY, INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
- CONNECT LAWN SPRAY HEADS TO LATERAL PIPING WITH 1/2" FLEXIBLE PVC AND 1/2" SCH. 40 PVC FITTINGS AS REQUIRED, PER DETAIL SHOWN. USE WELD-ON # 199 SOLVENT AND # 68 PRIMER ON THESE CONNECTIONS.
- INSTALL QUICK COUPLING VALVES ON TEN (10") INCH ARMOR (AMETEK) VALVE BOX PER DETAIL SHOWN. CONNECT QUICK COUPLING VALVES TO MAINLINE PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN. #T22-312, SUPPLY OWNER WITH THREE (3) COUPLER KEYS WITH SWIVEL HOSE BIBE, #3DK AND #0 RESPECTIVELY.
- INSTALL REMOTE CONTROL VALVES IN TEN (10") INCH ARMOR (AMETEK) VALVE BOXES PER DETAIL SHOWN.
- PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (120V) SHALL BE LOCATED IN A JUNCTION BOX WITHIN FIVE (5) FEET OF CONTROLLER LOCATION BY OTHER TRADES.
- ROUTE COMMON WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
- TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN 18.0 PSI, DO NOT START WORK UNTIL NOTIFIED TO PROCEED BY OWNER. DESIGN PRESSURE IS 58.0 PSI.
- PLANS ARE DIAGRAMMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY. PRIOR TO TRENCHING, HEAD LAYOUT WITH FLAGS NEEDS TO BE DONE AND LOCATIONS APPROVED BY TOWN'S REP.
- L.I.C. TO PROVIDE ALL NECESSARY HARDWARE AND LABOR NECESSARY FOR THE INSTALLATION OF THE IRRIGATION CONTROLLER AND REMOTE CONTROL VALVES. REFER TO MATT SWOR WITH LONGHORN FOR QUESTIONS RELATING TO SPECIFIED EQUIPMENT.
- SLEEVES AND BORES SHALL BE SCH. 40 PVC. REFER TO PLANS FOR SIZE.
- TOWN OF ADDISON SPECIFICATIONS SUPERCEDE ANY ALL OTHERS NOTES AND DETAILS.

IRRIGATION LEGEND:

| SYMBOL | DESCRIPTION | MANUFACTURER | MODEL NO. |
|--------|------------------------|----------------|---|
| ● | LAWN SPRAY HEAD | TORO | 510Z SERIES W/ 15F, 15H, OR 15Q UNLESS NOTED OTHERWISE |
| ■ | LAWN CENTER STRIP HEAD | TORO | 510Z SERIES W/ 9-55T NOZZLE |
| □ | LAWN END STRIP HEAD | TORO | 510Z SERIES W/ 9-55T NOZZLE |
| ▲ | QUICK COUPLING VALVE | WEST AG | V07B |
| ○ | REMOTE CONTROL VALVE | WEATHERMATIC | *1000 SERIES, REFER TO PLAN FOR SIZE |
| ■ | CONTROLLER | RAINMASTER | EVOLUTION SERIES W/ MINI-CLIK RAIN AND TEMPERATURE SENSOR |
| — | MAINLINE PIPING | REFER TO SPEC. | SCH. 40 PVC |
| — | LATERAL PIPING | REFER TO SPEC. | SCH. 40 PVC |
| N | NEW BACKFLOW PREVENTER | WATTS | *001 SERIES |
| ⊙ | EXISTING WATER METER | REFER TO SPEC. | PER LOCAL BUILDING CODE |
| ⊕ | NEW MASTER VALVE | WEATHERMATIC | *1000 SERIES, LINE SIZE |
| □ | STATION NUMBER | VALVE SIZE | GPM (APPROX.) |



RADIUS LEGEND:

| |
|-------------|
| F = 36" |
| E = 21" |
| D = 24" |
| C = 22 1/2" |
| H = 18" |
| B = 13 1/2" |
| A = 12" |
| Q = 9" |

MATCHLINE 'D' - SEE SHEET IR-4