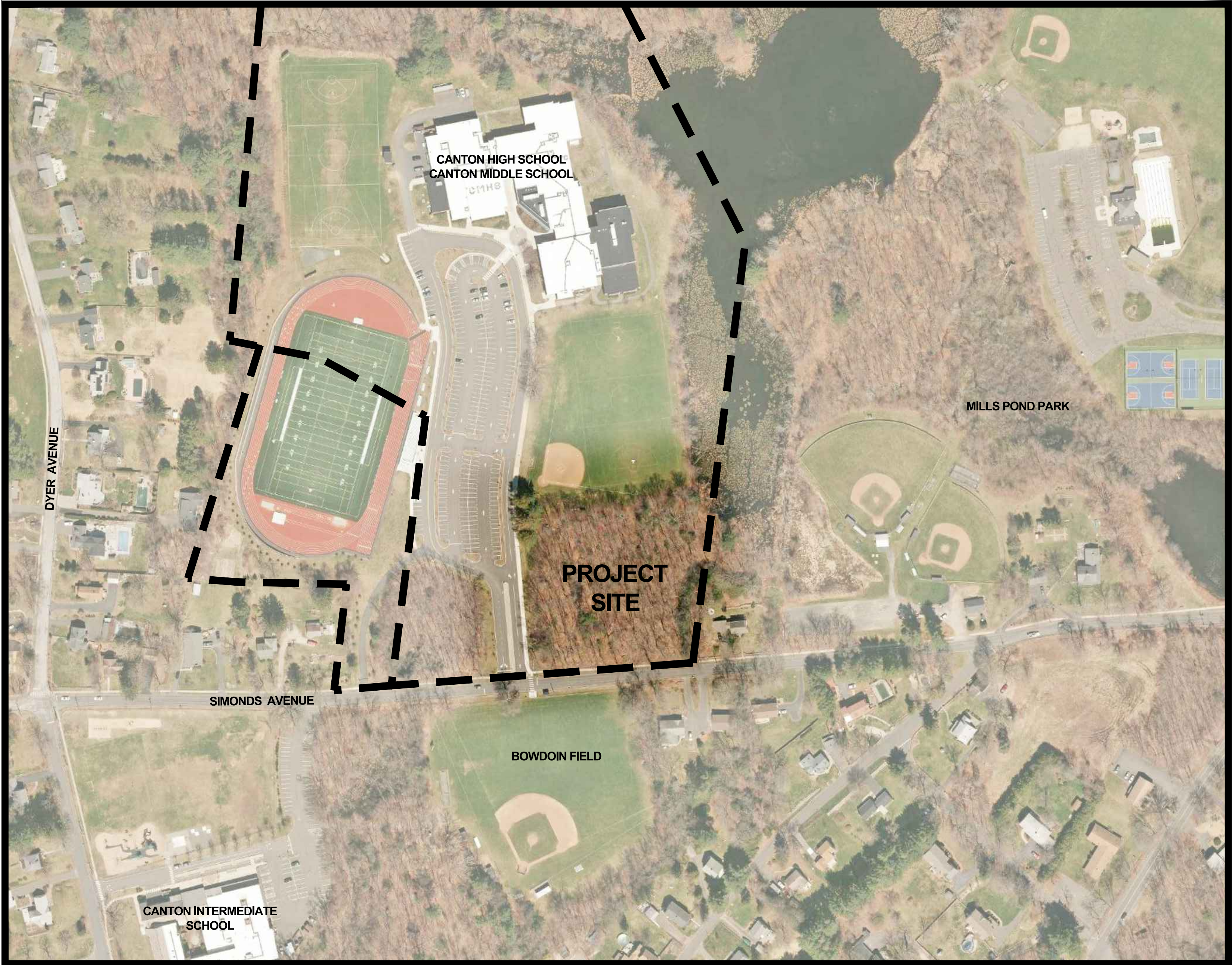


DYER SOFTBALL FIELD RELOCATION PROJECT

76 Simonds Avenue

Collinsville, Connecticut



Project Site

NTS



CONSTRUCTION DOCUMENTS 10.13.2021

Prepared for The Town of Canton, Connecticut

Glenn Cusano, Project Administrator

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- C Cover
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- L-1.0 Demolition Plan
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- L-4.0-2 Details
- L-5.0 Irrigation Plan & Details
- ES-1 Erosion and Soil Sedimentation Control Notes and Details
- E-0.0 Electrical Symbols and General Notes
- E-1.0 Electrical Site Plan
- E-2.0 Electrical Spec's

Prepared by:



114 WEST MAIN STREET
SUITE 202
NEW BRITAIN, CT 06051
860-612-1700

todesignllc.com

CREATING MEANINGFUL OUTDOOR SPACES

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DEMOLITION NOTES

- CONTRACTOR SHALL STRIP AND STORE TOPSOIL IN ALL AREAS TO BE DISTURBED OR REGRADED. LOCATION OF TOPSOIL STOCKPILE TO BE DESIGNATED BY TOWN ENGINEER.
- ALL MATERIAL TO BE REMOVED SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AWAY FROM THE SITE OR DELIVERED AS DIRECTED BY THE OWNER.
- LOCATION OF ALL UTILITIES ARE SHOWN DIAGRAMMATICALLY & MAY BE INCOMPLETE. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DONE BY THIS WORK SHALL BE REPAIRED BY THE CONTRACTOR.
- PROTECTION OF ALL EXISTING TREES TO REMAIN SHALL BE A PRIORITY. INSTALL TREE PROTECTION AS INDICATED. DO NOT STOCKPILE, PARK OR PERFORM ANY MECHANICAL OPERATIONS WITHIN THE DRIPLINE OF EXISTING TREES AS INDICATED IN THE DETAILS. NO STORAGE OF MATERIALS OR SOIL SHALL BE ALLOWED IN THESE AREAS. ALL FILL AND EXCAVATION REQUIRED WITHIN THE DRIPLINE OF ALL EXISTING TREES TO REMAIN SHALL BE COMPLETED BY HAND UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING TREES AND VEGETATION. DAMAGE TO VEGETATION SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS BY THE CONTRACTOR.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1.800.922.4455. THE RESPECTIVE UTILITY COMPANIES AND LOCAL AUTHORITIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES. ANY COSTS INCURRED BY THE CONTRACTOR AS A RESULT OF FAILURE TO CONTACT PROPER AUTHORITIES SHALL BE BORN BY THE CONTRACTOR.
- OWNER'S REPRESENTATIVE SHALL BE CONSULTED BEFORE ANY WORK SHALL COMMENCE.
- PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FROM ANY UTILITY COMPANY OR OTHER GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE WORK.
- CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO HIS CONTRACT OPERATIONS.
- CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
- CONTRACTOR SHALL MAINTAIN PROPER SIGNS, BARRICADES, AND FENCES TO PROPERLY PROTECT THE WORK EQUIPMENT, PERSONS AND PROPERTY FROM DAMAGE.
- ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.

SURVEY REFERENCE

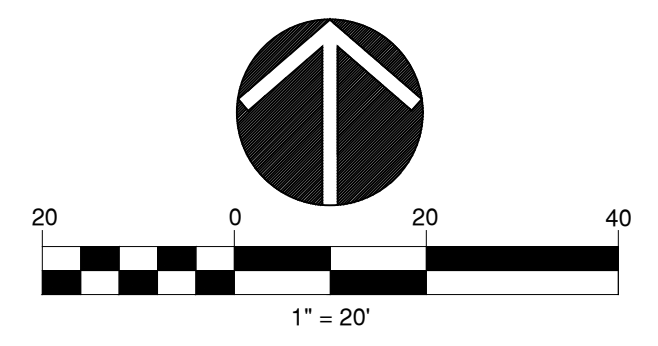
SURVEY INFORMATION FROM PLAN ENTITLED: "TOPOGRAPHIC SURVEY MAP PREPARED FOR TO DESIGN, LLC CANTON HIGH SCHOOL SOFTBALL FIELD SIMONDS AVENUE, COLLINSVILLE, CONNECTICUT", SCALE 1" = 40', DATED APRIL 14, 2021, BY HARRY E. COLE & SON 876 SOUTH MAIN STREET P.O. BOX 44, PLANTSVILLE, CT 06479-0044.

NOTE TO CONTRACTOR

PROPERTY LINES WERE DERIVED FROM TOWN OF CANTON GIS INFORMATION. CONTRACTOR TO LOCATE PROPERTY PINS AND ESTABLISH PROPERTY LINES.

LEGEND

| | |
|-----------------|----------------------------|
| EXISTING | |
| | PROPERTY LINE |
| | WETLANDS |
| | UPLAND REVIEW AREA |
| | CURB |
| | CONTOUR 1 FT |
| | CONTOUR 10 FT |
| | SPOT GRADE |
| | CATCH BASIN |
| | HYDRANT |
| | UTILITY POLE |
| | LIGHT |
| | TREE |
| | SITE ELEMENT TO BE REMOVED |
| | CONTRACT LIMIT |
| | TREE PROTECTION |



**114 WEST MAIN STREET
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**SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING**

Prepared For:
**TOWN OF
CANTON**

Consultant

**PROPOSED:
DYER SOFTBALL FIELD
RELOCATION PROJECT**

76 SIMONDS AVE COLLINSVILLE, CT

Sheet Description:

**Demolition
Plan**

Rev:

Issue Date:
OCTOBER 13, 2021

Scale: **AS NOTED** Drawn by: **JT/MD**

Project number:
6381

Sheet #:
L-1.0

PLANT SCHEDULE

| CATEGORY | SYM. | NO. | BOTANICAL NAME | COMMON NAME | SIZE | COND. |
|----------|------|-----|---------------------------------------|------------------------------|-------------|-------|
| SHRUBS | FI | 28 | FORSYTHIA X INTERMEDIA 'LYNWOOD GOLD' | LYNWOOD GOLD FORSYTHIA | 3' - 3 1/2' | CONT. |
| | JC | 24 | JUNIPERUS CHINENSIS 'GLAUCA' | GLAUCA CHINESE JUNIPER | 18" - 24" | CONT. |
| | KL | 24 | KALMIA LATIFOLIA 'OLYMPIC FIRE' | OLYMPIC FIRE MOUNTAIN LAUREL | 24" - 30" | CONT. |

ZONING INFORMATION

| ZONE: MCPF / R-1 | REQUIRED | EXISTING | PROPOSED | CONFORMANCE |
|-----------------------------------|---------------|-------------|-------------------|--------------------------------|
| LOT AREA | NONE | 28.04 ACRES | 28.04 ACRES | YES |
| MINIMUM FRONTAGE | 30' | ±599' | ±599' | YES |
| MINIMUM FRONT YARD SETBACK | 20' | ±733' | ±733' | YES |
| MINIMUM SIDE YARD SETBACK | 15' | ±150' | ±150' | YES |
| MINIMUM REAR YARD SETBACK | 25' | ±582' | ±582' | YES |
| AREA OF WETLANDS AND WATERCOURSES | - | ±96,150 SF | ±96,150 SF | - |
| MAXIMUM BUILDING COVERAGE | 25% | ±85,110 SF | ±85,470 SF (7%) | YES |
| MAXIMUM IMPERVIOUS COVERAGE | 50% | ±435,285 SF | ±435,645 SF (36%) | YES |
| MAXIMUM HEIGHT | 40' | ±40' | ±40' | YES |
| PARKING AND LOADING | BY COMMISSION | 265 SPACES | 265 SPACES | EVENTS OUTSIDE OF SCHOOL HOURS |
| TOTAL DISTURBED AREA | - | - | 85,164 SF | - |
| TOTAL CUT | - | - | 597 CY | - |
| TOTAL FILL | - | - | 3,075 CY | - |

LAYOUT NOTES

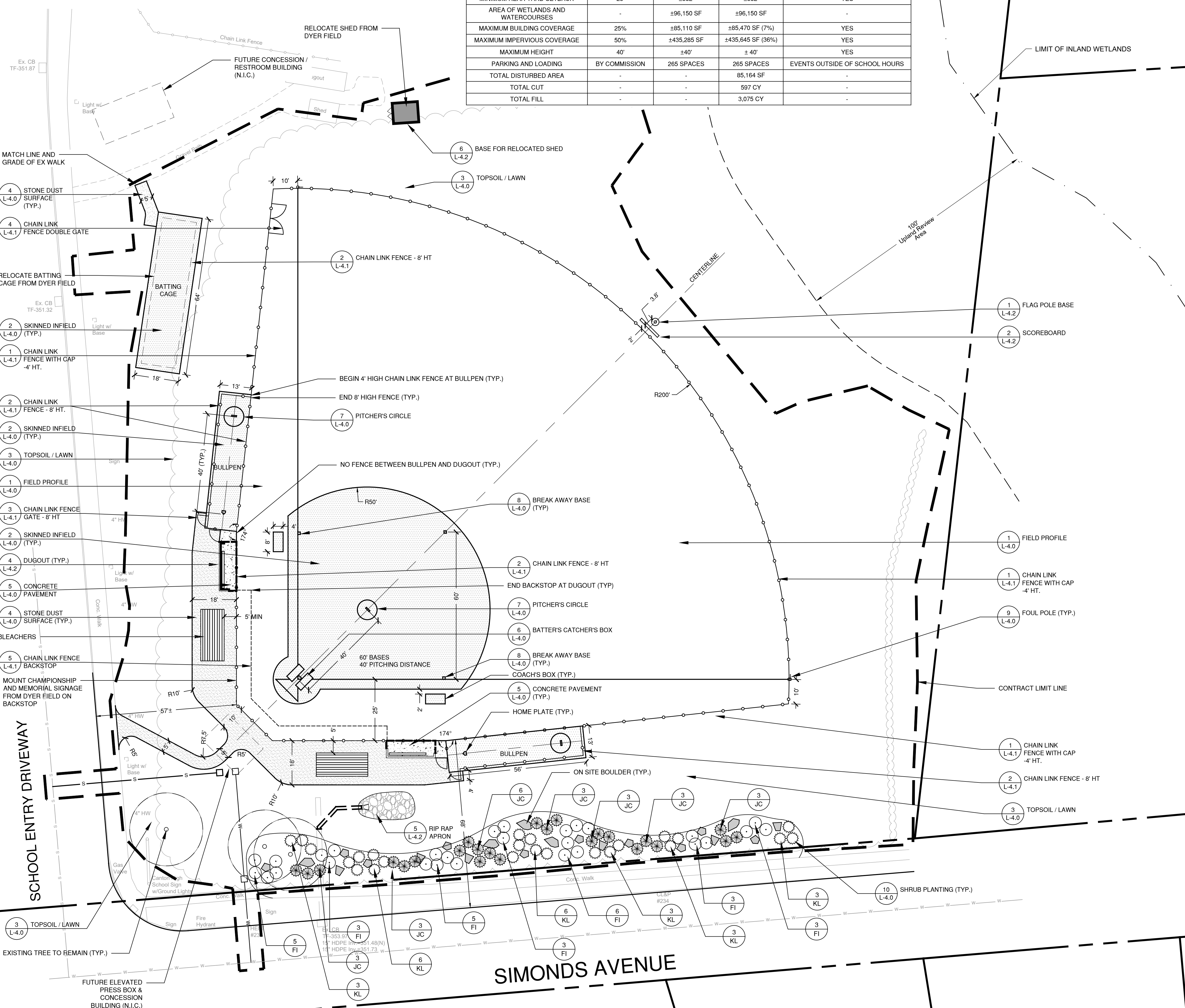
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL REGULATIONS.
- MATERIALS AND CONSTRUCTION PROCEDURES SHALL COMPLY WITH CT DOT FORM 816/817 AND THE TOWN OF CANTON SPECIFICATIONS.
- CONTRACTOR TO SECURE ALL NECESSARY TRADE PERMITS.
- NEW PAVEMENT TO MEET LINE & GRADE OF EXISTING PAVEMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES.
- LOAM AND SEED ALL DISTURBED AREAS NOT COVERED BY OTHER IMPROVEMENTS.
- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED.
- ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS CONCRETE ROADWAY OR CONCRETE ROADWAY OR CONCRETE SIDEWALK ABOUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO PROVIDE A CLEAN, SMOOTH EDGE. TACK COAT EXPOSED EDGES OF EXISTING CONCRETE PRIOR TO PLACEMENT OF NEW BITUMINOUS CONCRETE PAVEMENT.
- FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND APPROPRIATE MUNICIPAL OFFICIALS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE VERTICAL AND HORIZONTAL POSITION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONTROL DUST CAUSED BY HIS OPERATIONS BY APPLYING WATER OR DUST PALLIATIVE, OTHER THAN CALCIUM CHLORIDE.
- CONTRACTOR SHALL CONTROL NOISE TO AS GREAT AN EXTENT AS POSSIBLE. ALL POWER EQUIPMENT USED DURING CONSTRUCTION SHALL BE EQUIPPED WITH MUFFLERS.
- MANUFACTURED ITEMS SHALL BE INSTALLED, CONNECTED AND CLEANED ACCORDING TO THE MANUFACTURERS DIRECTIONS.
- PRIOR TO PROJECT CLOSE-OUT, CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS MATERIALS FROM SITE. ALSO, ANY DAMAGE TO FIELD OR FACTORY APPLIED FINISHES SHALL BE REPAIRED.
- A DIGITAL CAD FILE CAN BE PROVIDED TO THE CONTRACTOR FOR THE LAYOUT OF SITE IMPROVEMENTS IN THE FIELD.

PLANTING NOTES

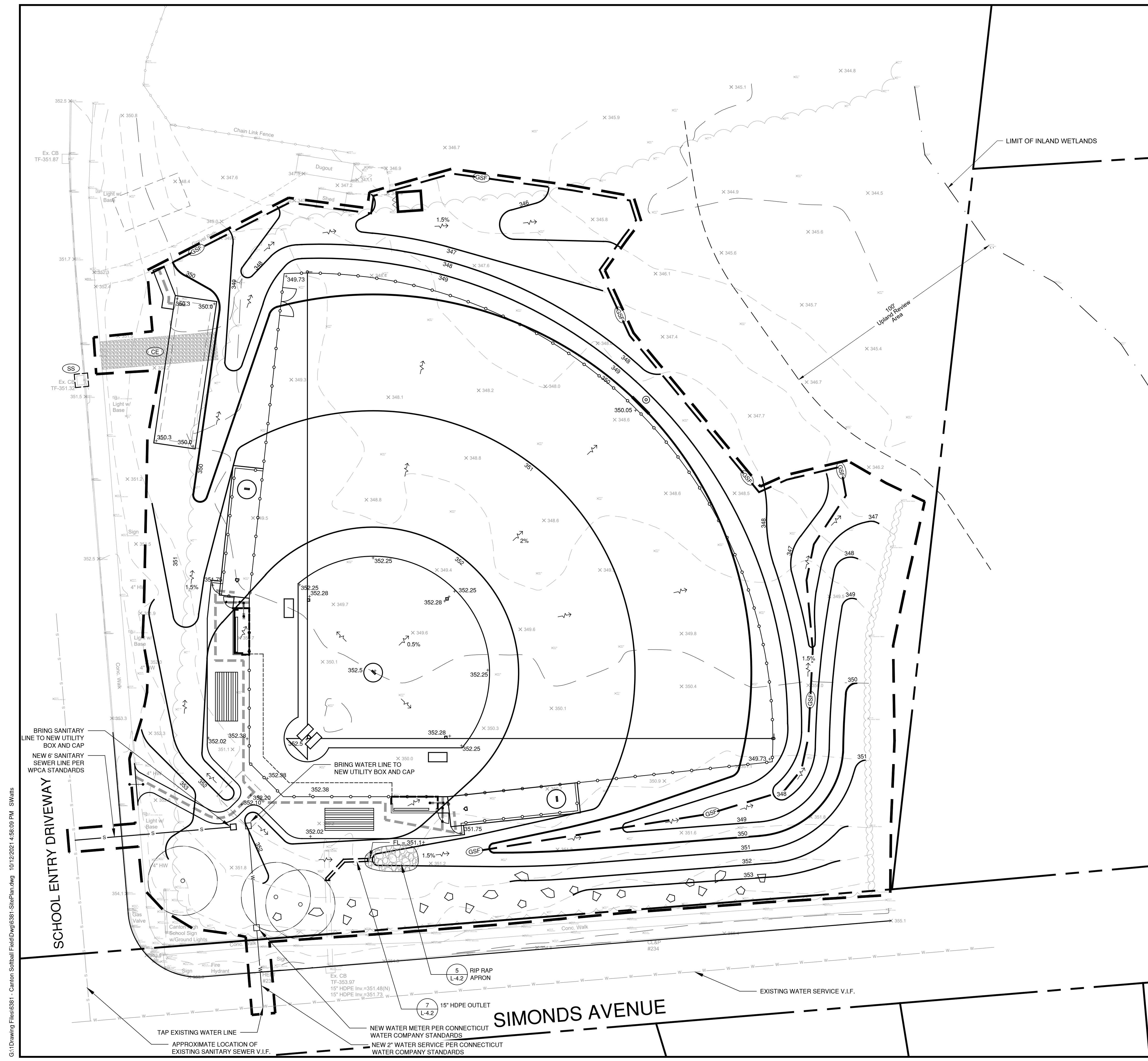
- ALL PLANTING MATERIAL TO BE NURSERY GROWN STOCK SUBJECT TO APPLICABLE A.A.N. STANDARDS.
- THE CONTRACTOR SHALL SUPPLY ALL PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT LIST. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT LIST AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER NUMBER SHALL APPLY.
- ALL PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION AND SHALL BE LOCATED AT THE GROWING SITE BY THE CONTRACTOR, FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT. ANY INSTALLATIONS WHICH WERE NOT APPROVED BY THE LANDSCAPE ARCHITECT AND WHICH ARE SUBSEQUENTLY REQUESTED TO BE REMOVED, WILL BE DONE AT THE CONTRACTORS EXPENSE.
- PRECISE LOCATION OF ITEMS NOT DIMENSIONED ON THE PLAN ARE TO BE FIELD STAKED BY THE CONTRACTOR AND SHALL BE SUBJECT TO THE REQUIREMENTS SPECIFIED IN THE PREVIOUS NOTE.
- ALL SHRUB AND TREE PITS SHALL BE MULCHED TO A DEPTH OF 3" WITH SHREDDED PINE BARK MULCH.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED VEGETATION AND SHALL REPLACE OR REPAIR ANY DAMAGE, AT HIS OWN EXPENSE.
- ALL SHRUB AND GROUND COVER PLANTING AREAS SHALL HAVE CONTINUOUS BEDS OF TOPSOIL, 18" DEEP.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD. WHERE PLANT MATERIAL MAY INTERFERE WITH UTILITIES, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT TO COORDINATE THEIR INSTALLATION.
- PLANTINGS INSTALLED IN THE DRY SUMMER MONTHS AND/OR LAWN SEEDING OUT OF SPRING OR FALL PERIODS, IF ALLOWED BY OWNER, WILL REQUIRE AGGRESSIVE IRRIGATION PROGRAMS AT THE CONTRACTORS EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- SUBSTITUTIONS PERMITTED ONLY UPON WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- PLANT TAGS TO REMAIN ON ALL PLANT MATERIAL UNTIL FINAL ACCEPTANCE. CONTRACTOR TO THEN REMOVE ALL PLANT TAGS.
- WHERE A SIZE RANGE IS GIVEN IN THE PLANT SCHEDULE, AT LEAST 50% OF THE PLANTS PROVIDED SHALL BE OF THE LARGER SIZE.
- CONTRACTOR TO GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR AFTER DATE OF FINAL ACCEPTANCE.
- CONTRACTOR TO MAINTAIN ALL PLANT MATERIAL UNTIL 60 DAYS AFTER FINAL ACCEPTANCE UNLESS NOTED OTHERWISE IN SPECS.
- TOPSOIL AND SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT COVERED BY OTHER SITE IMPROVEMENTS.

LEGEND

| EXISTING | PROPOSED |
|----------|------------------------|
| | PROPERTY LINE |
| | WETLANDS |
| | UPLAND REVIEW AREA |
| | CURB |
| | CHAIN LINK FENCE |
| | SHRUBS |
| | SKINNED INFIELD |
| | STONEDUST |
| | CONCRETE PAVEMENT |
| | DETAIL - 1 SHEET L-4.0 |



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GRADING AND UTILITY NOTES

- PROPOSED GRADES INDICATE INTENT. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AS REQUIRED TO MEET FIELD CONDITIONS.
- WHERE FIELD CONDITIONS CALL FOR ON-SITE ADJUSTMENTS OF FINISHED GRADES, THE OWNER'S REPRESENTATIVE SHALL MAKE THE FINAL DETERMINATION.
- CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE JOB AND BE RESPONSIBLE FOR THE SAME. NOTIFY SITE PLANNER OF DISCREPANCIES PRIOR TO BEGINNING WORK.
- EROSION CONTROL FABRIC TO BE USED ON ALL SLOPES GREATER THEN 3:1
- STRIP AND STOCKPILE TOPSOIL FOR REUSE ON SITE.
- PITCH ALL WALKS AT 2% CROSS SLOPE UNLESS OTHERWISE NOTED.
- ADJUST ALL EXISTING AND PROPOSED UTILITY FRAMES, GRATES, MANHOLE COVERS, VALVE BOXES, ETC. TO BE FLUSH WITH THE PROPOSED SURFACE.
- ALL EXISTING UTILITY LINES TO BE ABANDONED SHALL BE ABANDONED ACCORDING TO UTILITY COMPANY REQUIREMENTS.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STANDARDS.
- ALL EXCESS MATERIAL, EXCEPT TOPSOIL, SHALL BE LEGALLY DISPOSED OF OUTSIDE THE PROJECT LIMITS.
- REFERENCE IS MADE IN THESE DOCUMENTS TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 816/817 AND SUPPLEMENTS THERETO.
- DAMAGE TO EXISTING UTILITIES AS A RESULT OF THE CONTRACTOR'S OR ANY OF HIS SUBCONTRACTOR'S ACTIVITIES DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING DURING THE EXECUTION OF HIS WORK.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS DEVELOPED FROM THE BEST AVAILABLE INFORMATION. THE ACTUAL LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF EXCAVATION ACTIVITIES.
- ACCESS AND UTILITIES TO EXISTING FACILITIES MUST BE MAINTAINED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR MUST MAINTAIN SUFFICIENT TRAVEL LANE(S), APPROVED BY THE OWNER, TO ENABLE ALL EMERGENCY VEHICLES TO ACCESS THE ENTIRE PROJECT SITE.
- CONTRACTOR TO VERIFY THAT ALL EXISTING UTILITIES TO BE REUSED ARE FUNCTIONAL.

ACCESSIBILITY NOTES

- SLOPES ALONG THE ACCESSIBLE ROUTE SHALL BE LESS THAN 1:20 (5%) AND THE CROSS SLOPES SHALL NOT EXCEED 1:50 (2%). CHANGES IN LEVELS SHALL NOT BE GREATER THAN 1/4 INCH.
- SLOPES ALONG THE HANDICAP ACCESSIBLE RAMP SHALL NOT EXCEED 1:12 (8.3%) AND THE CROSS SLOPE SHALL NOT EXCEED 1:50 (2%). CHANGES IN LEVEL SHALL NOT BE GREATER THAN 1/4 INCH.
- LANDINGS SHALL NOT HAVE A SLOPE GREATER THAN 1:50 (2%) IN ANY DIRECTION.

LEGEND

| EXISTING | PROPOSED |
|----------|-----------------------|
| | PROPERTY LINE |
| | WETLANDS |
| | UPLAND REVIEW AREA |
| | CURB |
| | CONTOUR 1 FT |
| | CONTOUR 10 FT |
| | SPOT GRADE |
| | FLOW ARROW |
| | FLUSH CONDITION |
| | GEOTEXTILE SILT FENCE |
| | HAYBALE /SILT SACK |
| | CONSTRUCTION ENTRANCE |
| | CONTRACT LIMIT |
| | ACCESSIBLE ROUTE |

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SITE DESIGN
 LANDSCAPE ARCHITECTURE
 URBAN PLANNING

Prepared For:
TOWN OF CANTON

Consultant

PROPOSED:
DYER SOFTBALL FIELD RELOCATION PROJECT
 76 SIMONDS AVE COLLINSVILLE, CT

Sheet Description:
Grading & Utility Plan

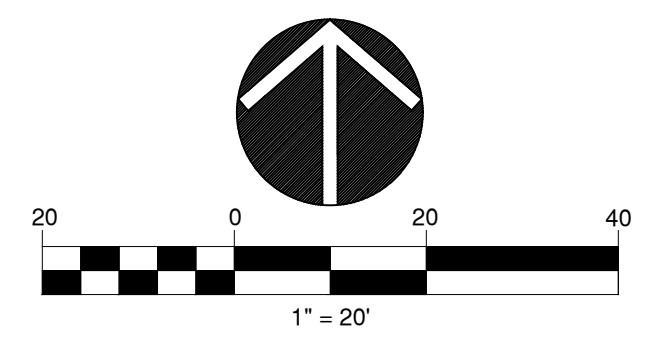
Rev:

Issue Date:
 OCTOBER 13, 2021

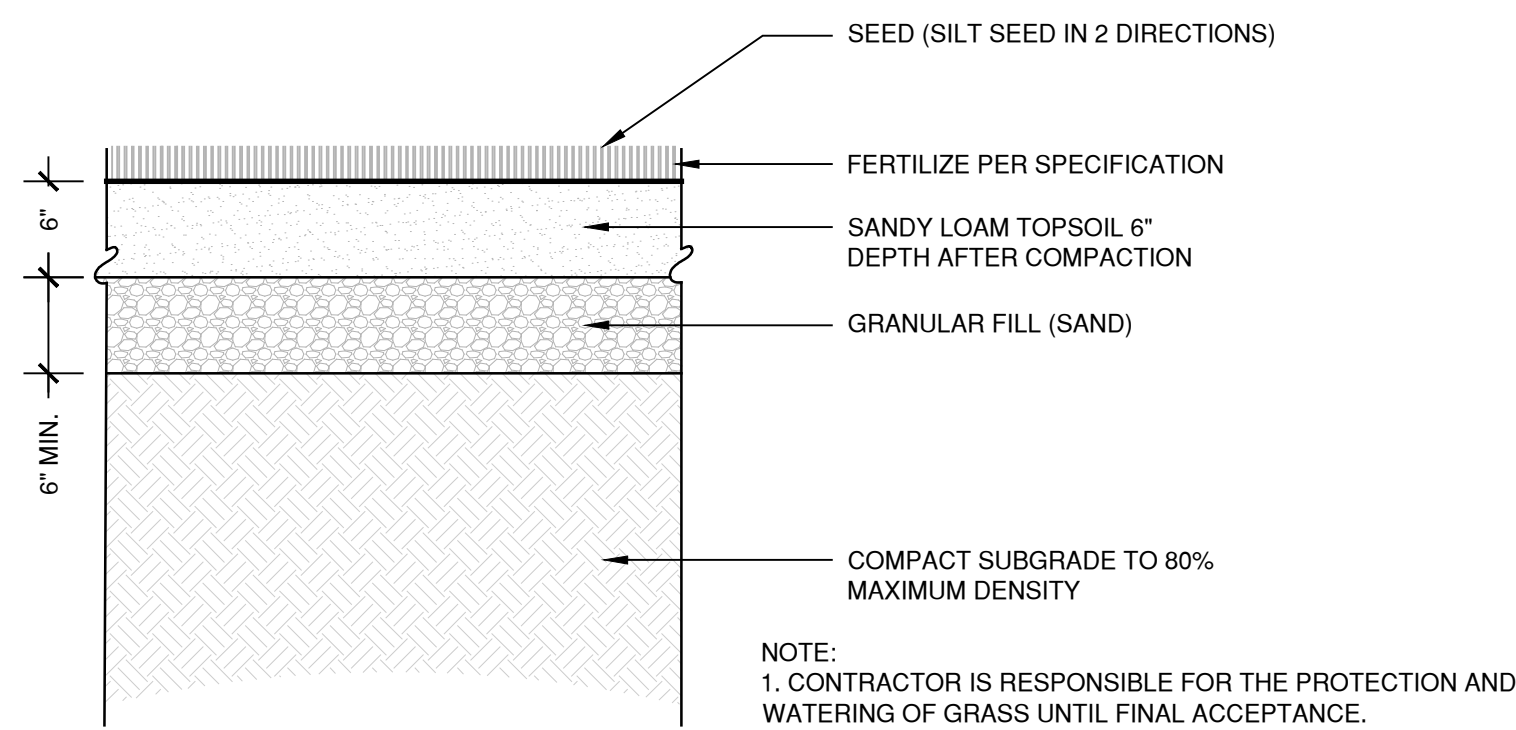
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Project number:
 6381

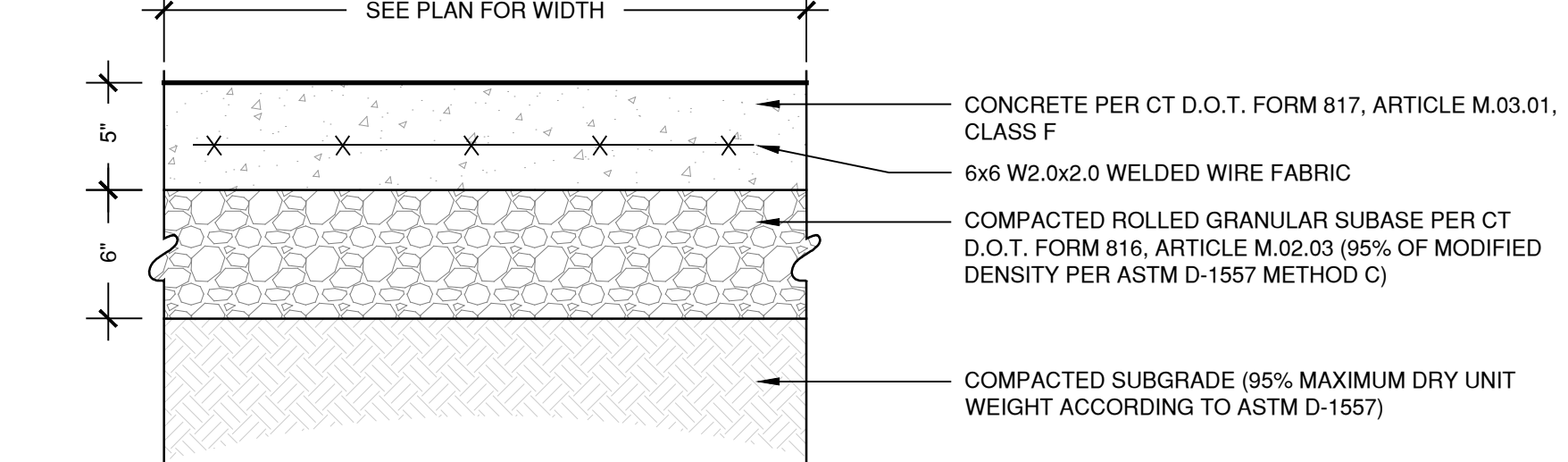
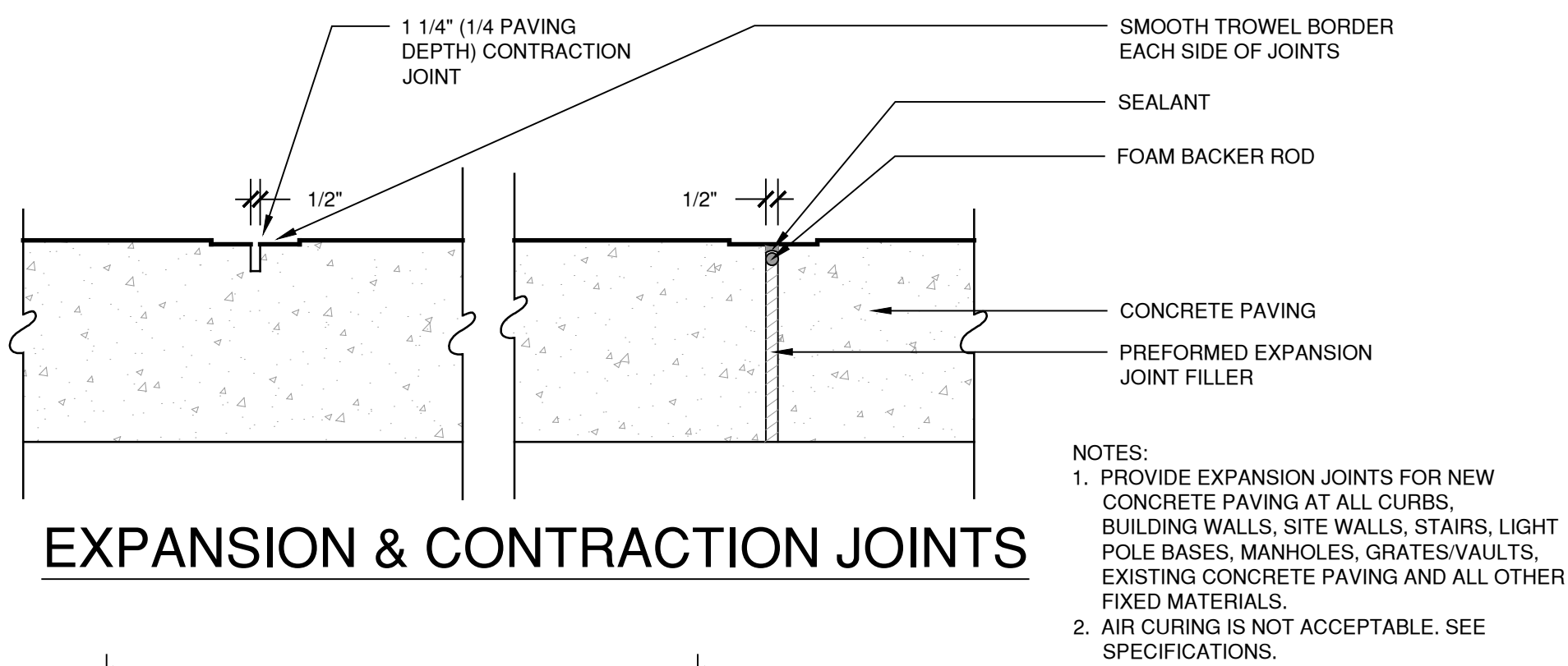
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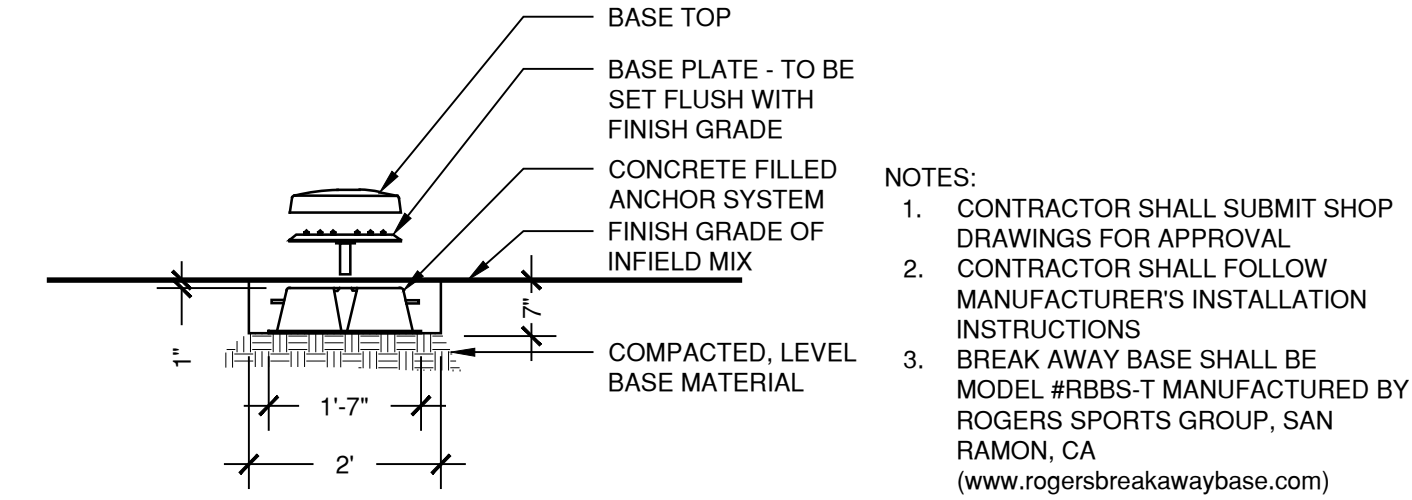
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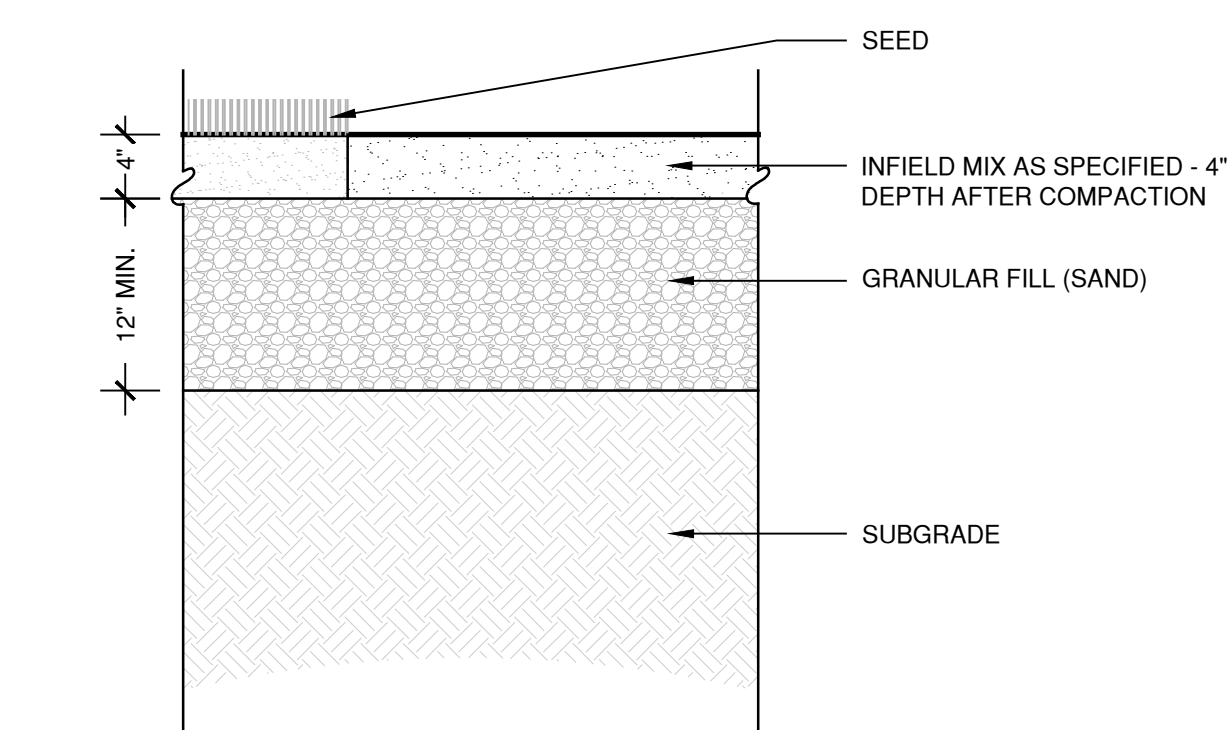
1 FIELD PROFILE
SCALE 1" = 1'-0"



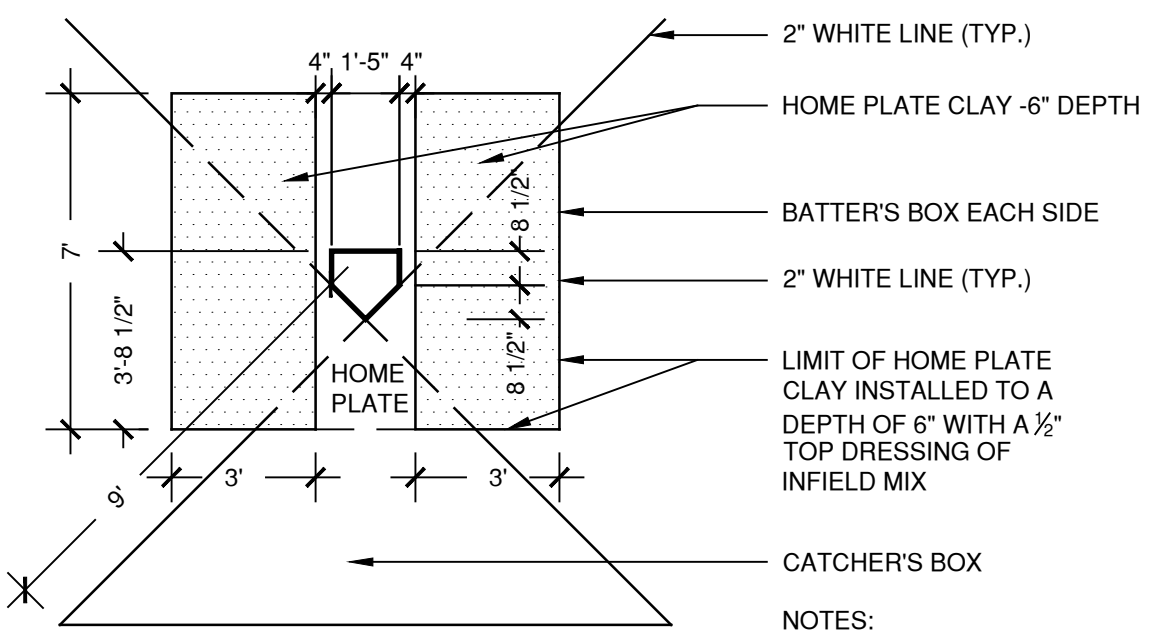
5 CONCRETE PAVEMENT
SCALE 1 1/2" = 1'-0"



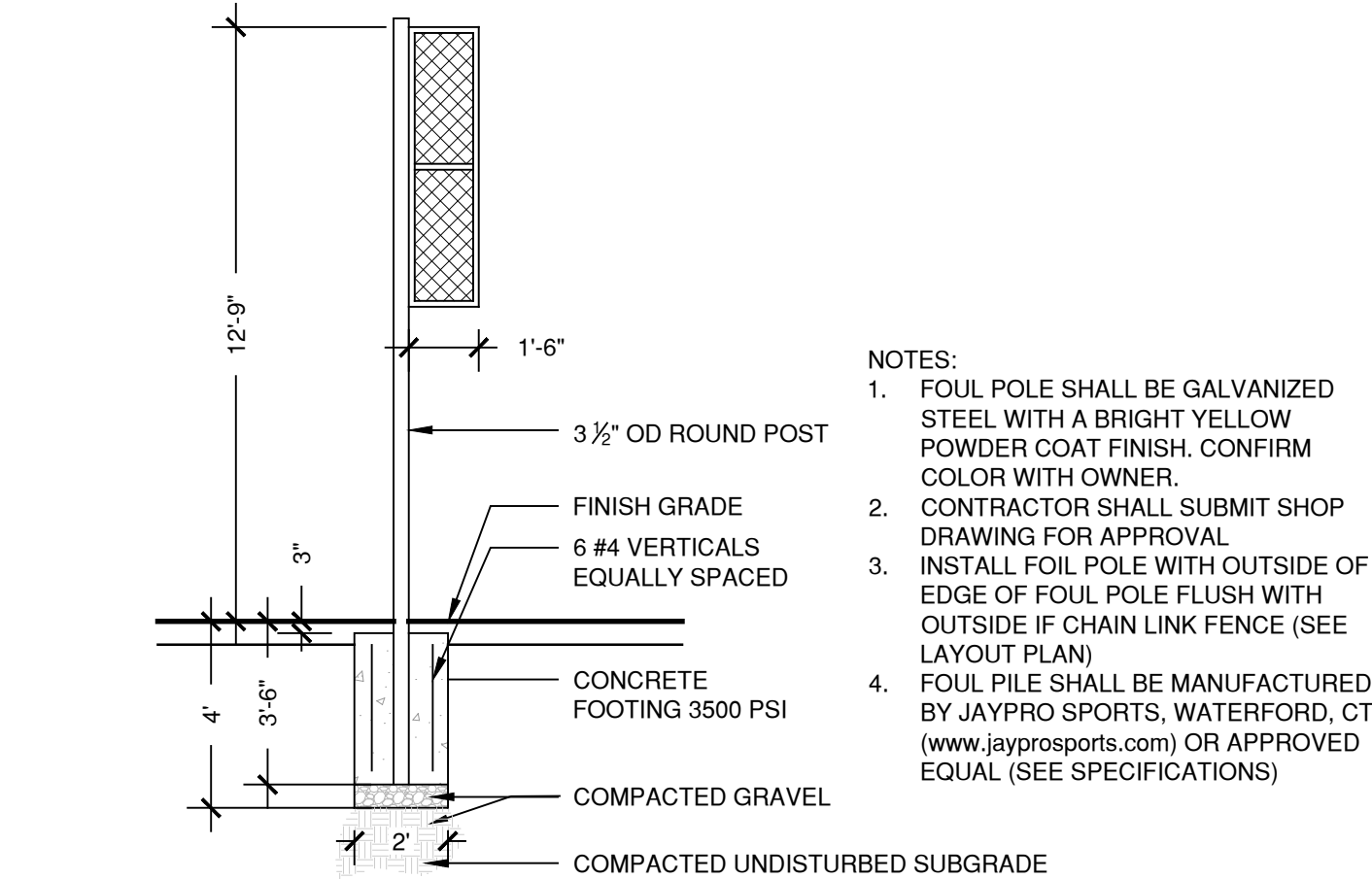
8 BREAK AWAY BASE
SCALE 1/2" = 1'-0"



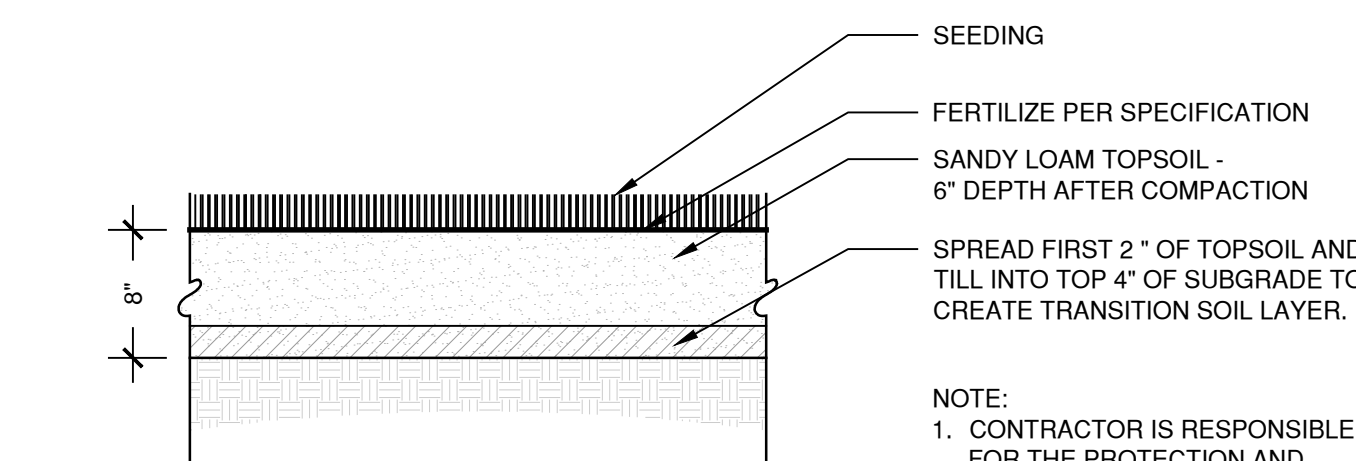
2 SKINNED INFIELD
SCALE 1" = 1'-0"



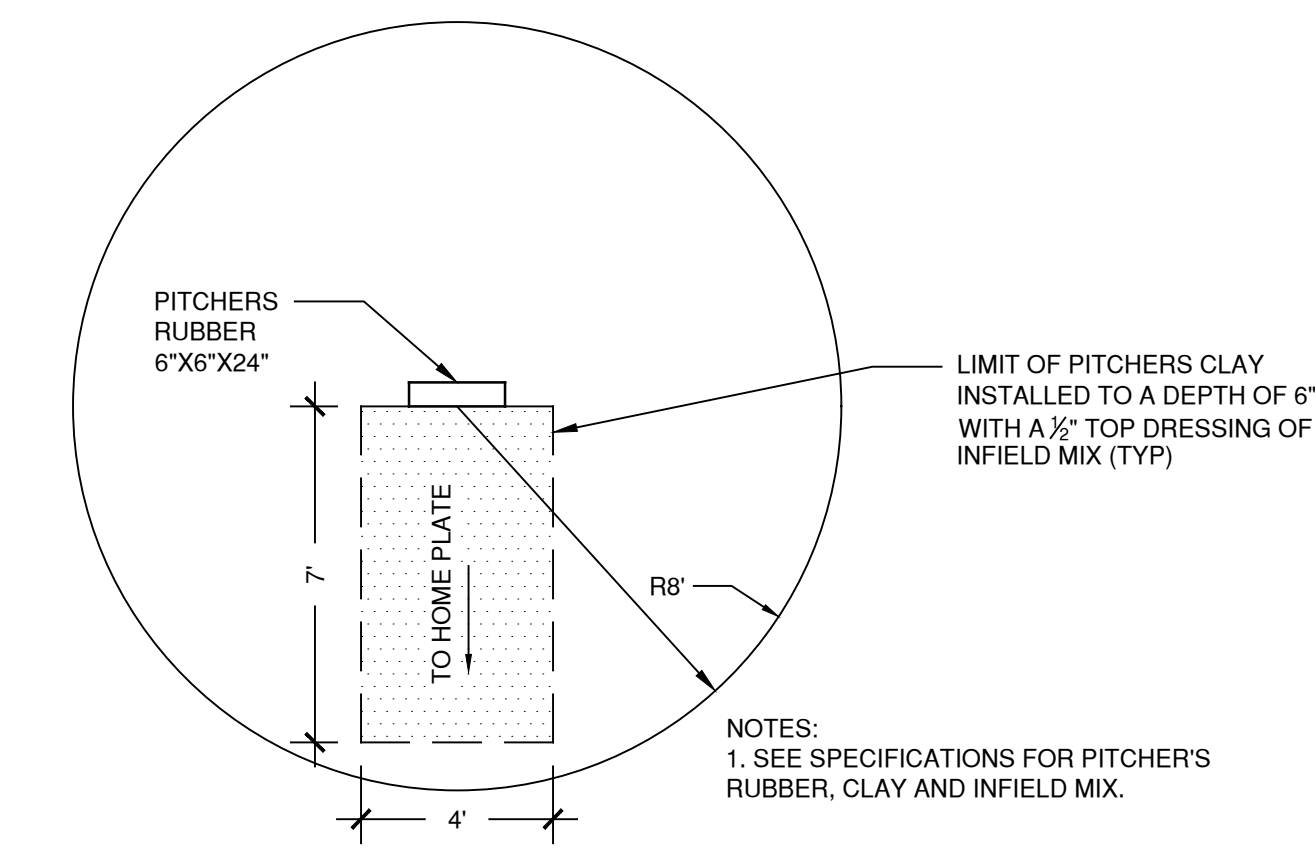
6 BATTER'S AND CATCHER'S BOX
SCALE 1/4" = 1'-0"



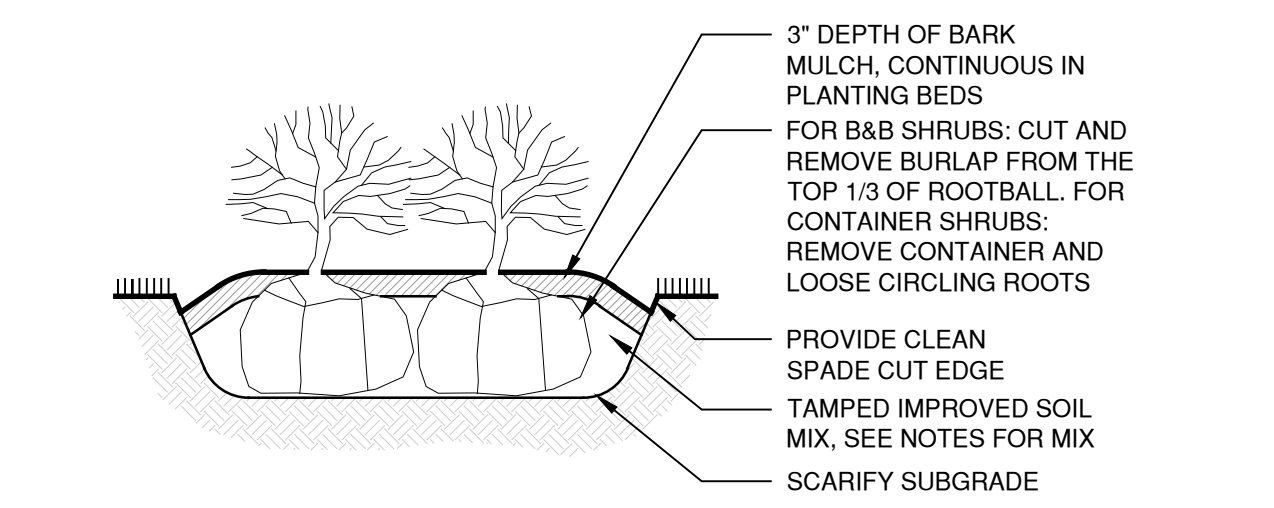
9 FOUL POLE (2)
SCALE 1/4" = 1'-0"



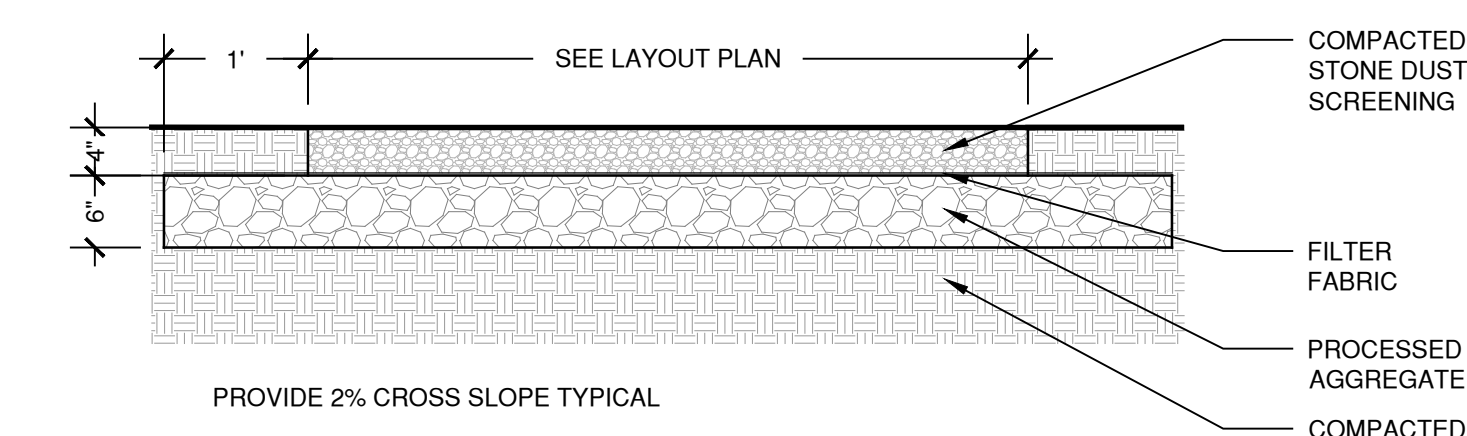
3 TOPSOIL / LAWN
SCALE 1" = 1'-0"



7 PITCHERS CIRCLE
SCALE 1/4" = 1'-0"

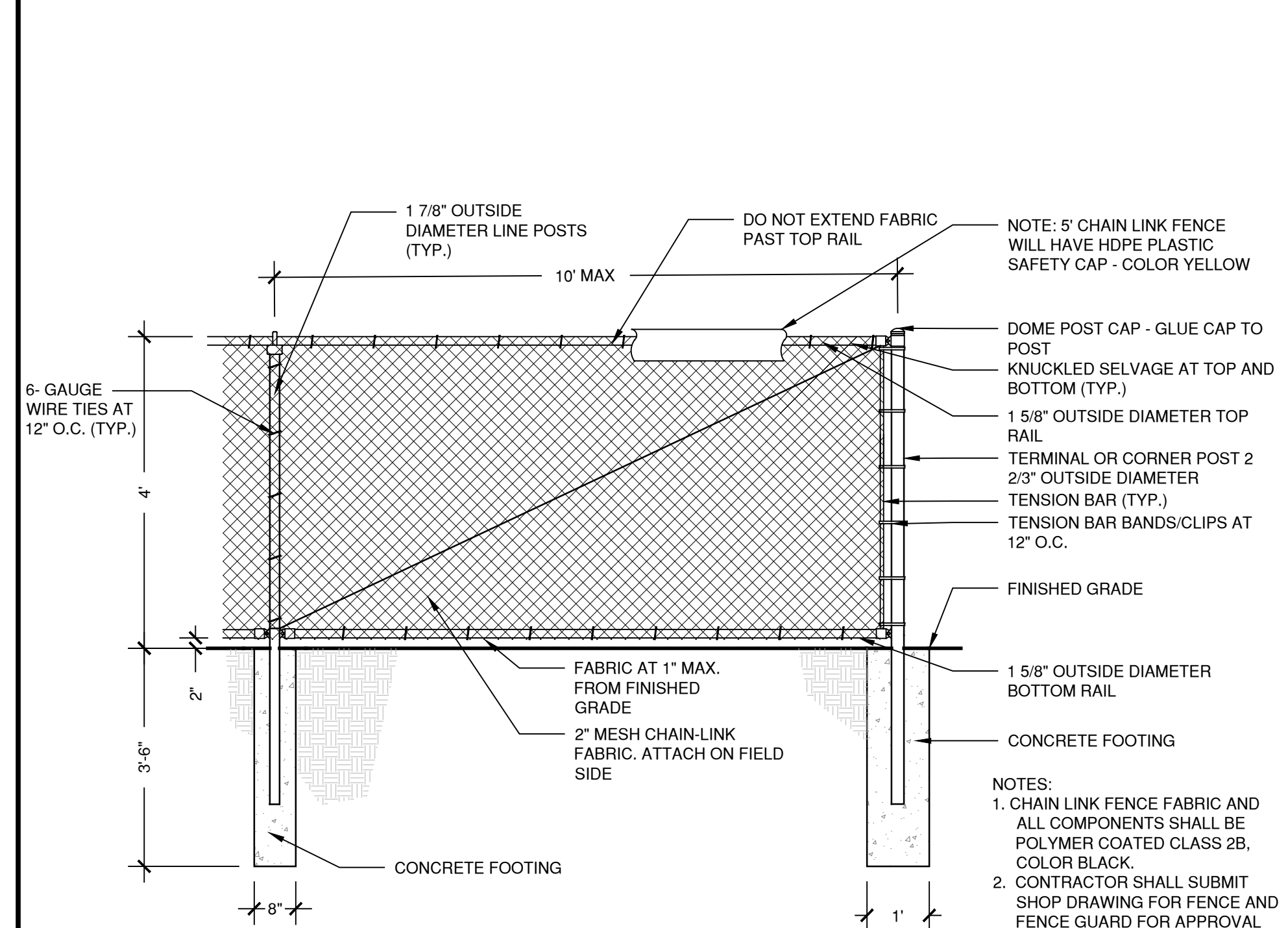


10 SHRUB PLANTING
SCALE 1" = 1'-0"

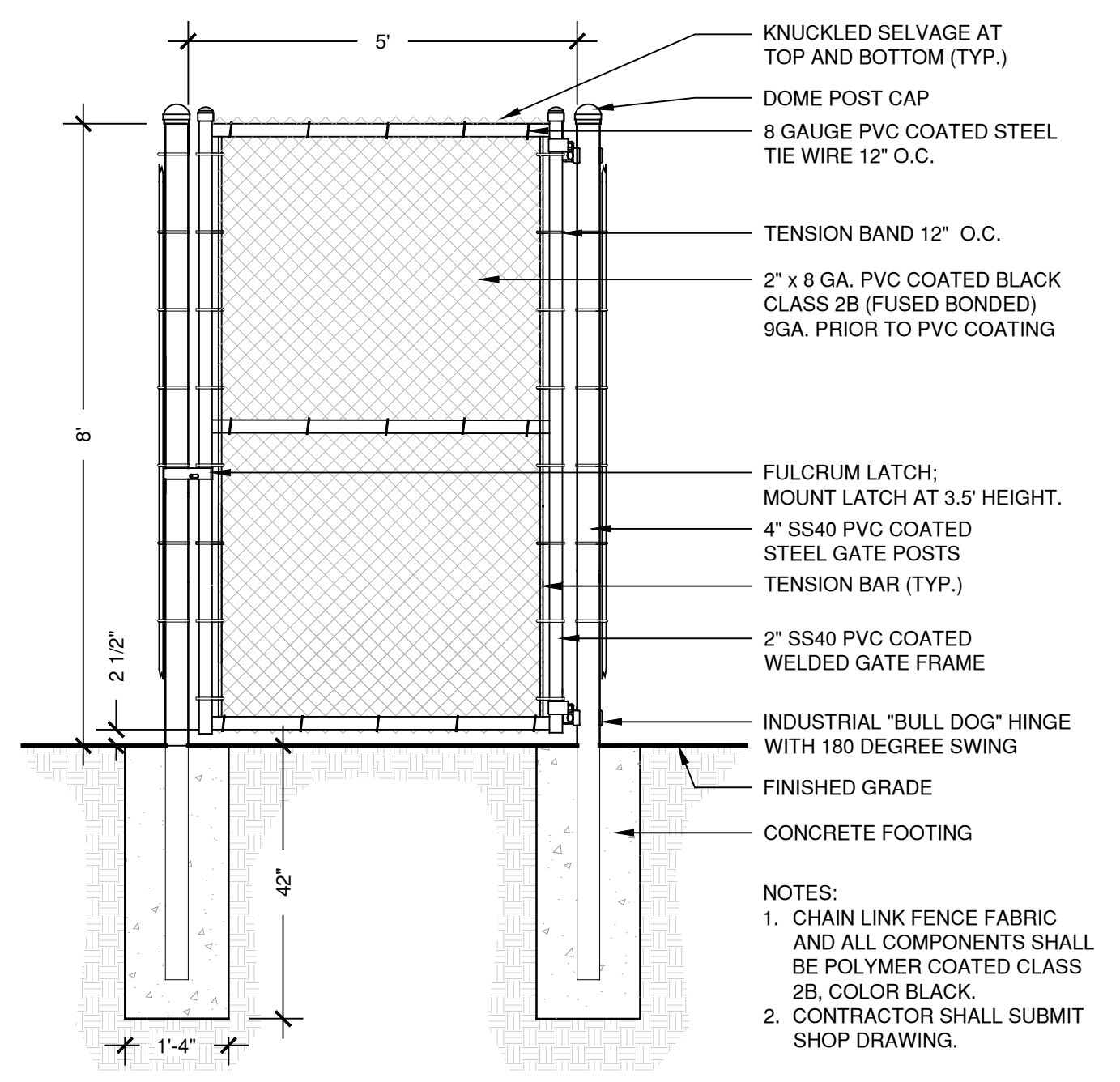


4 STONE DUST SURFACE
SCALE 3/4" = 1'-0"

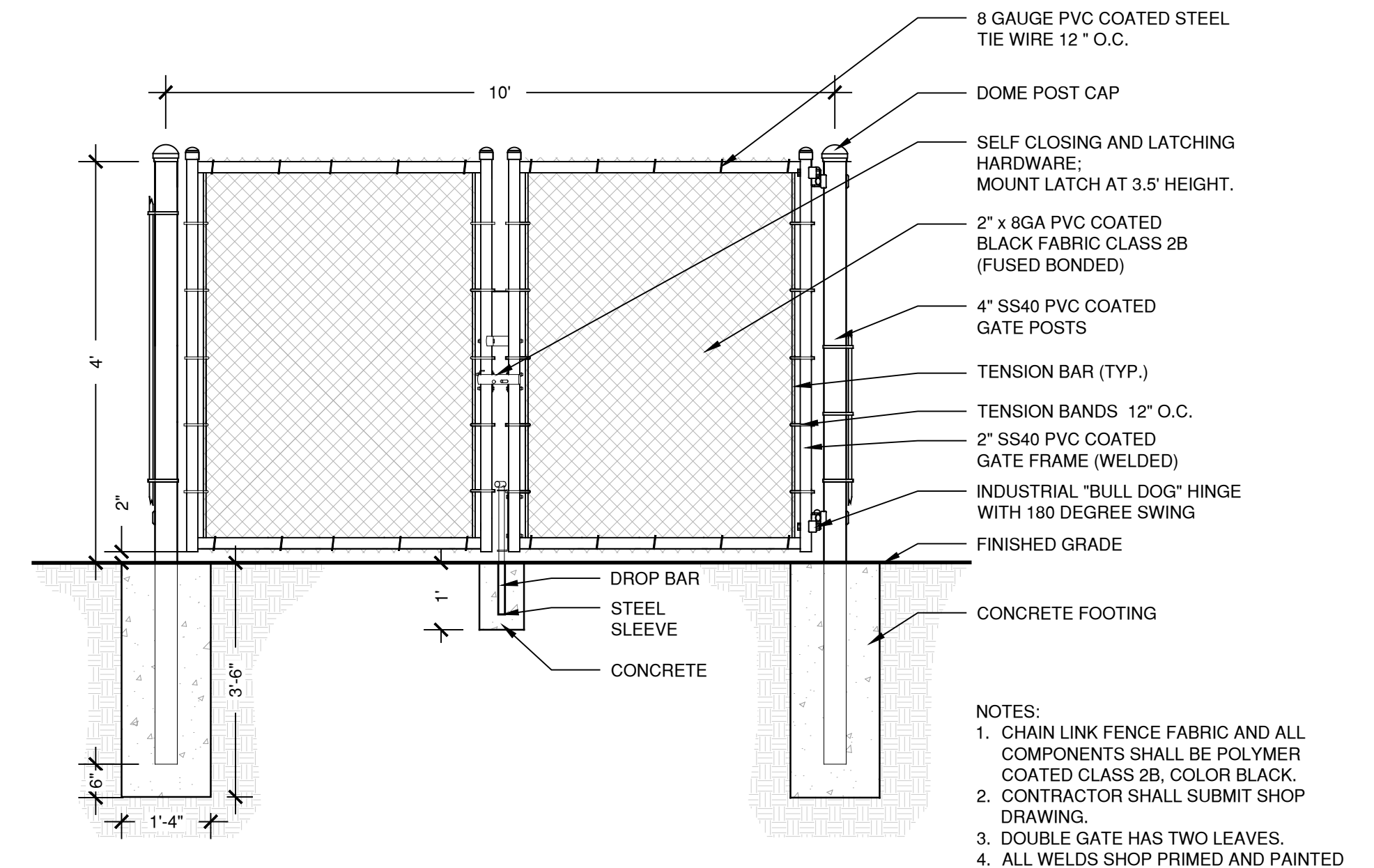
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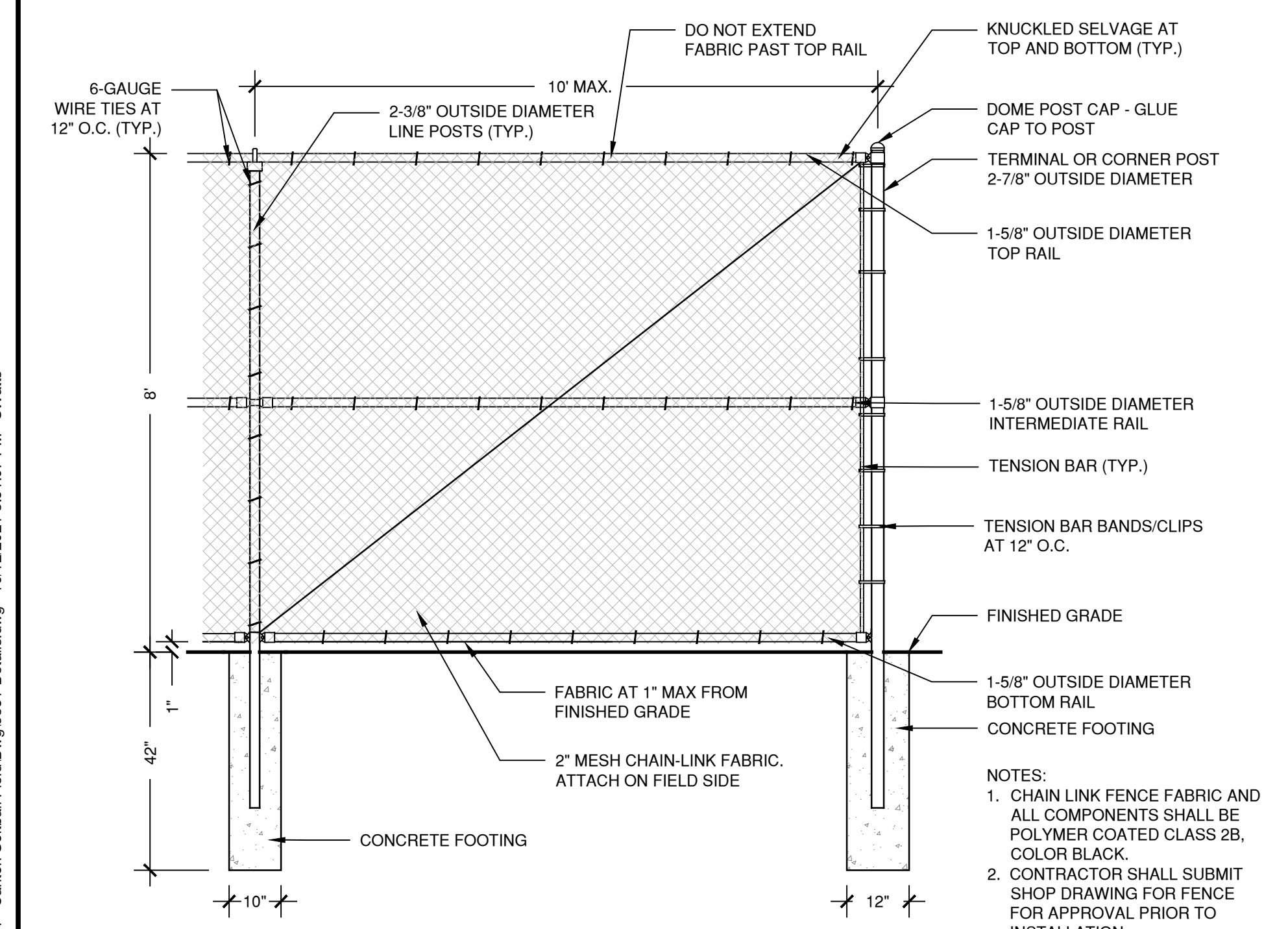
1 CHAIN LINK FENCE WITH CAP - 4' HT.
SCALE: 1/2" = 1'-0"



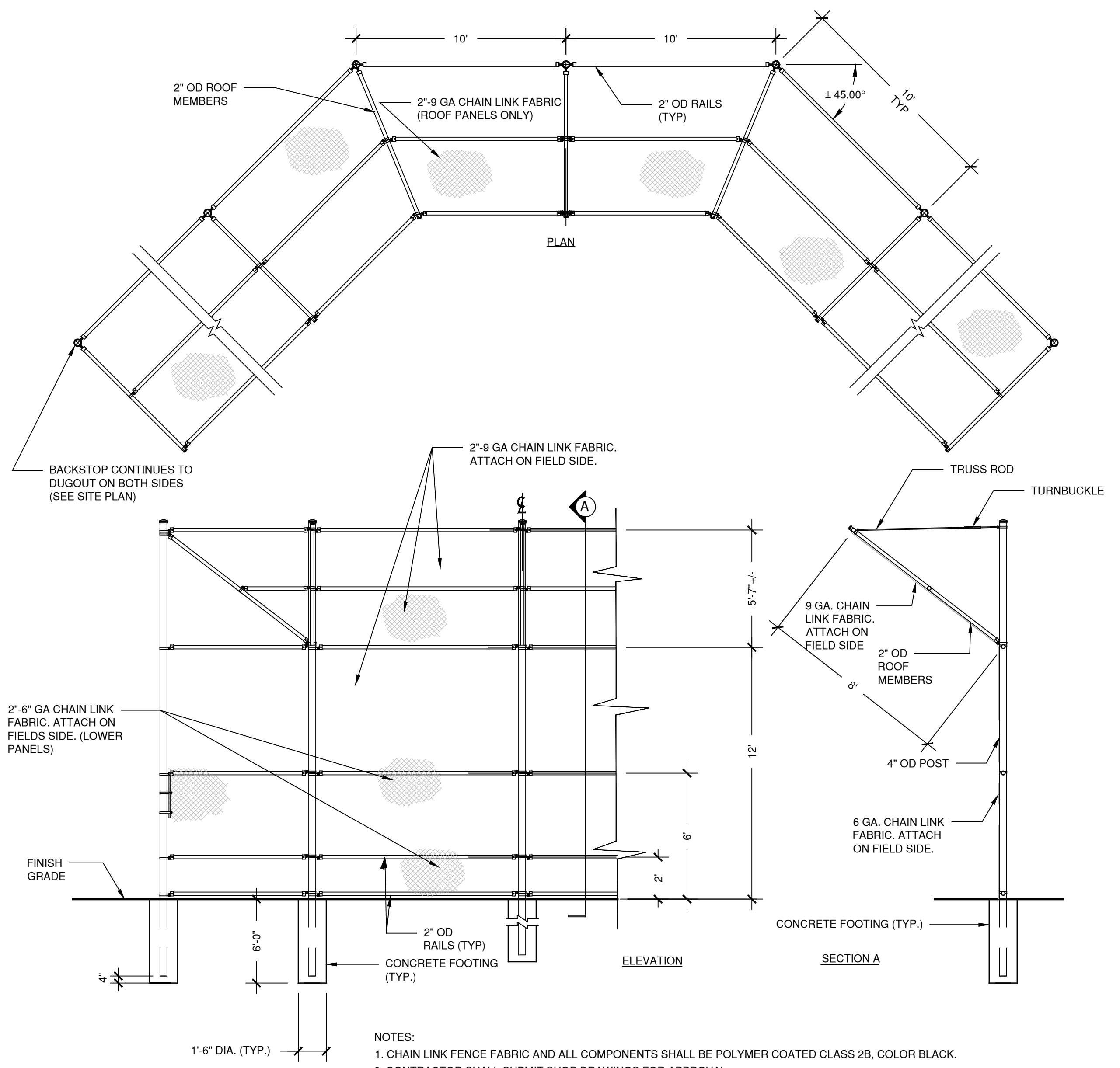
3 CHAIN LINK FENCE GATE - 8' HT.
SCALE: 1/2" = 1'-0"



4 CHAIN LINK FENCE DOUBLE GATE
SCALE: 1/2" = 1'-0"

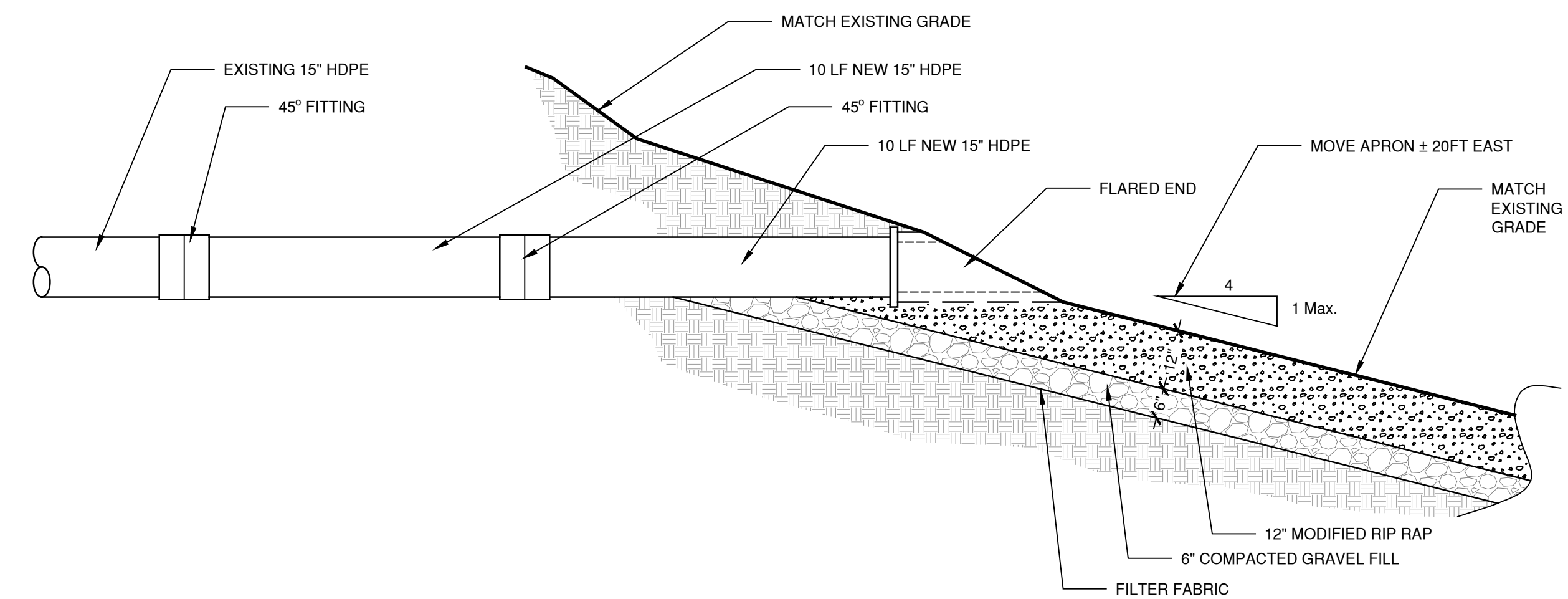


2 CHAIN LINK FENCE - 8' HT.
SCALE: 1/2" = 1'-0"

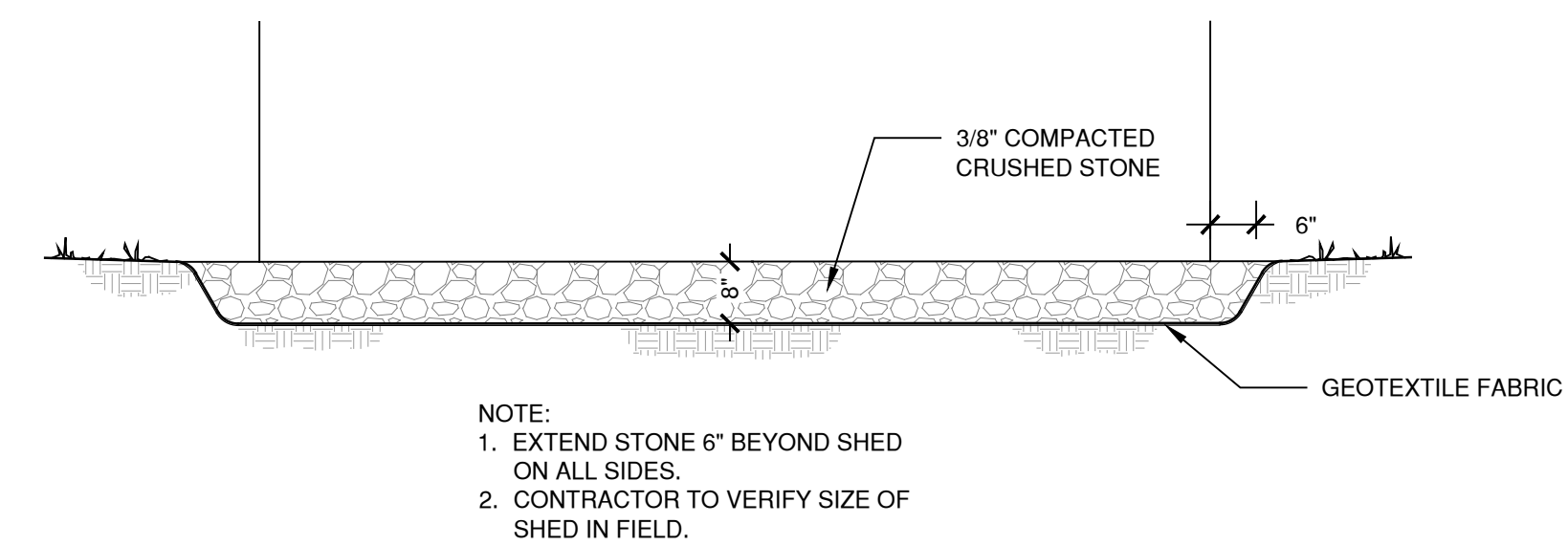


5 CHAIN LINK FENCE BACKSTOP
SCALE: 1/4" = 1'-0"

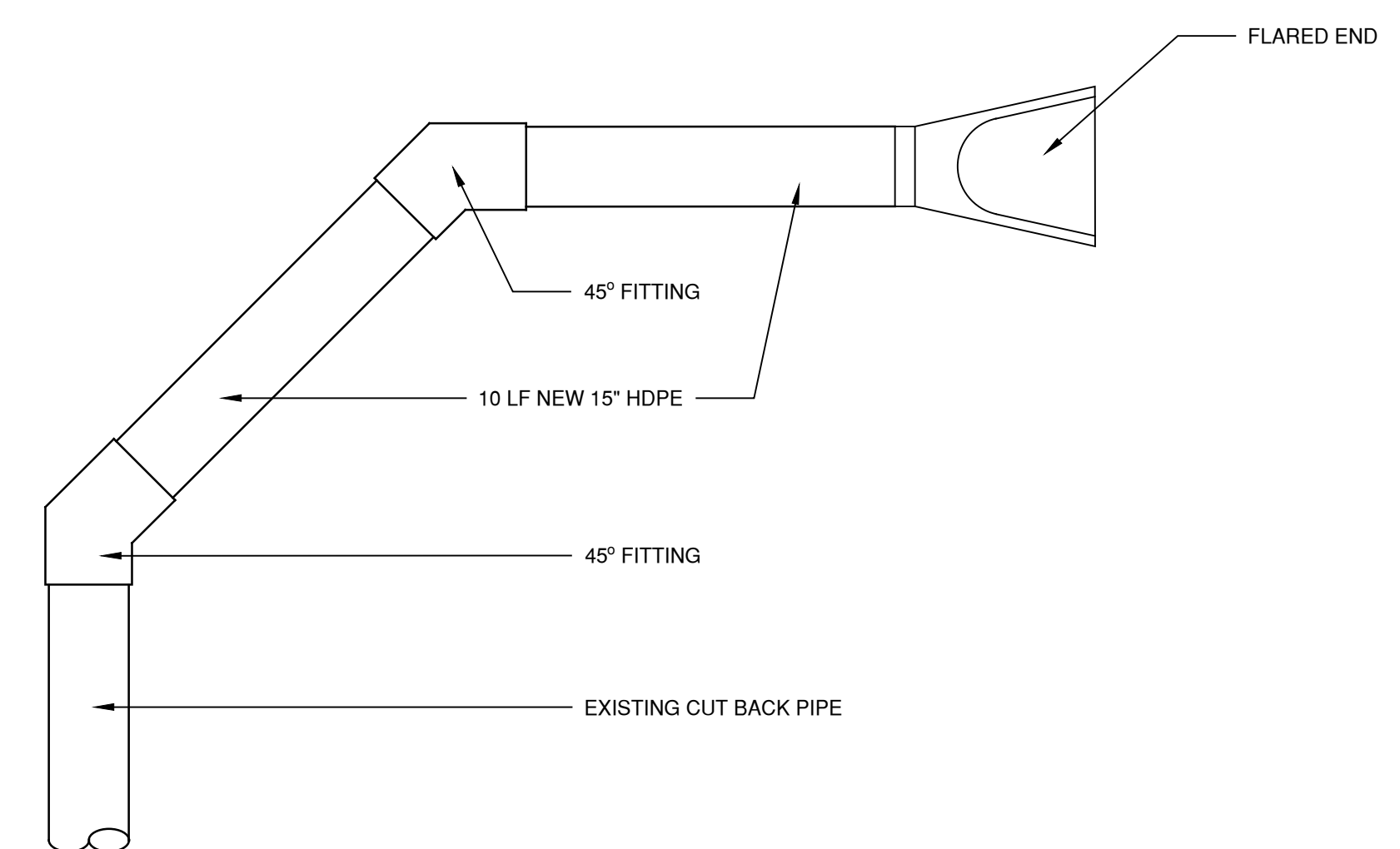
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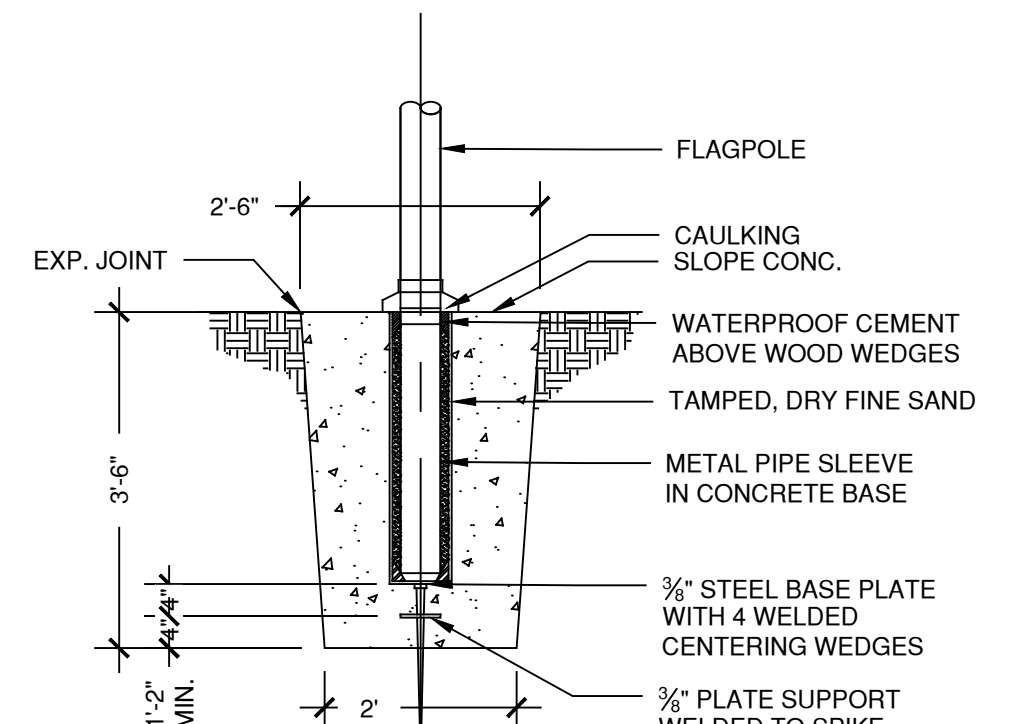
5 RIP RAP APRON
SCALE 1/2" = 1'-0"



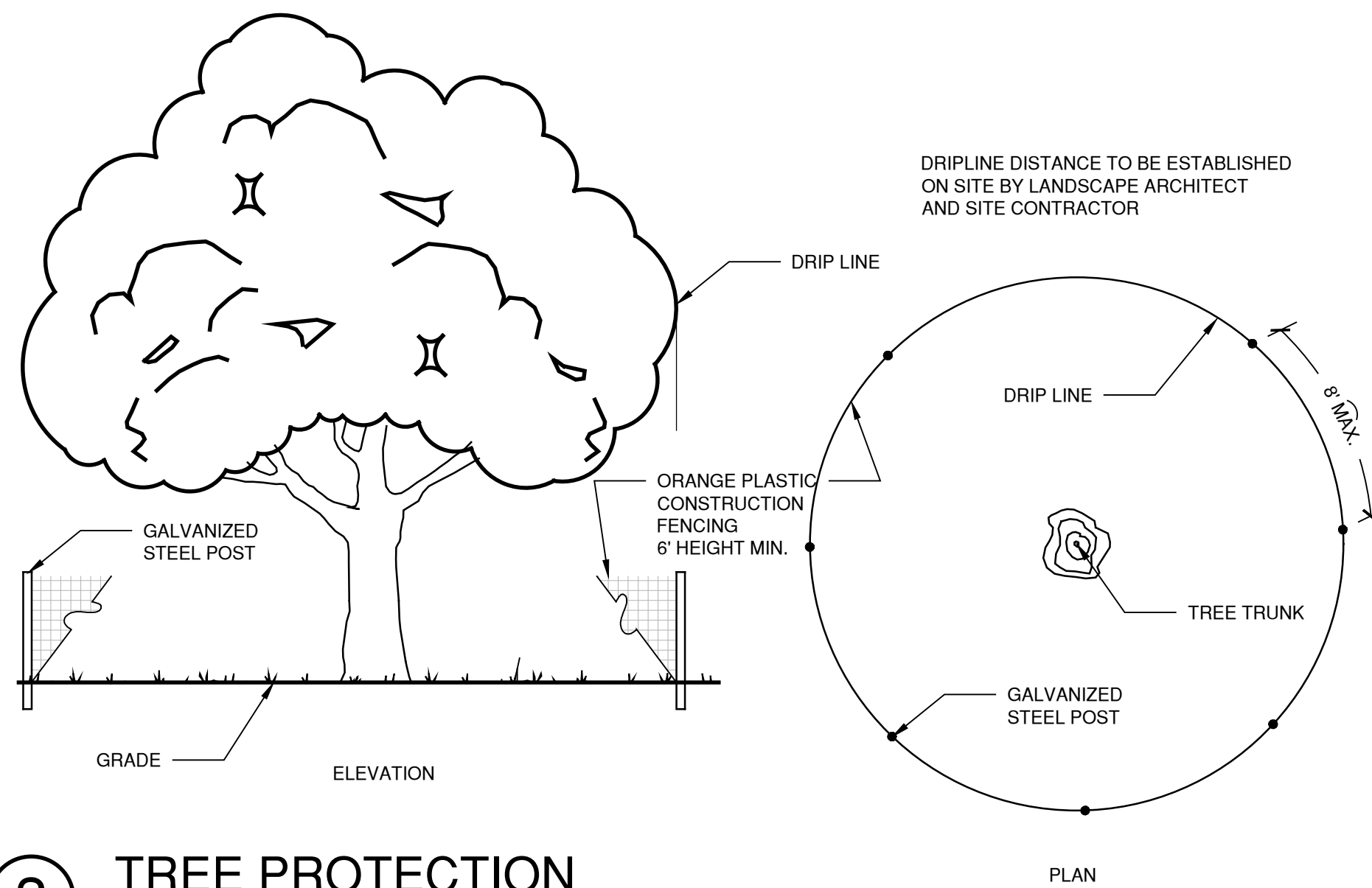
6 BASE FOR RELOCATED SHED
SCALE 1/2" = 1'-0"



7 15\"/>



1 FLAG POLE BASE
SCALE 1/2" = 1'-0"



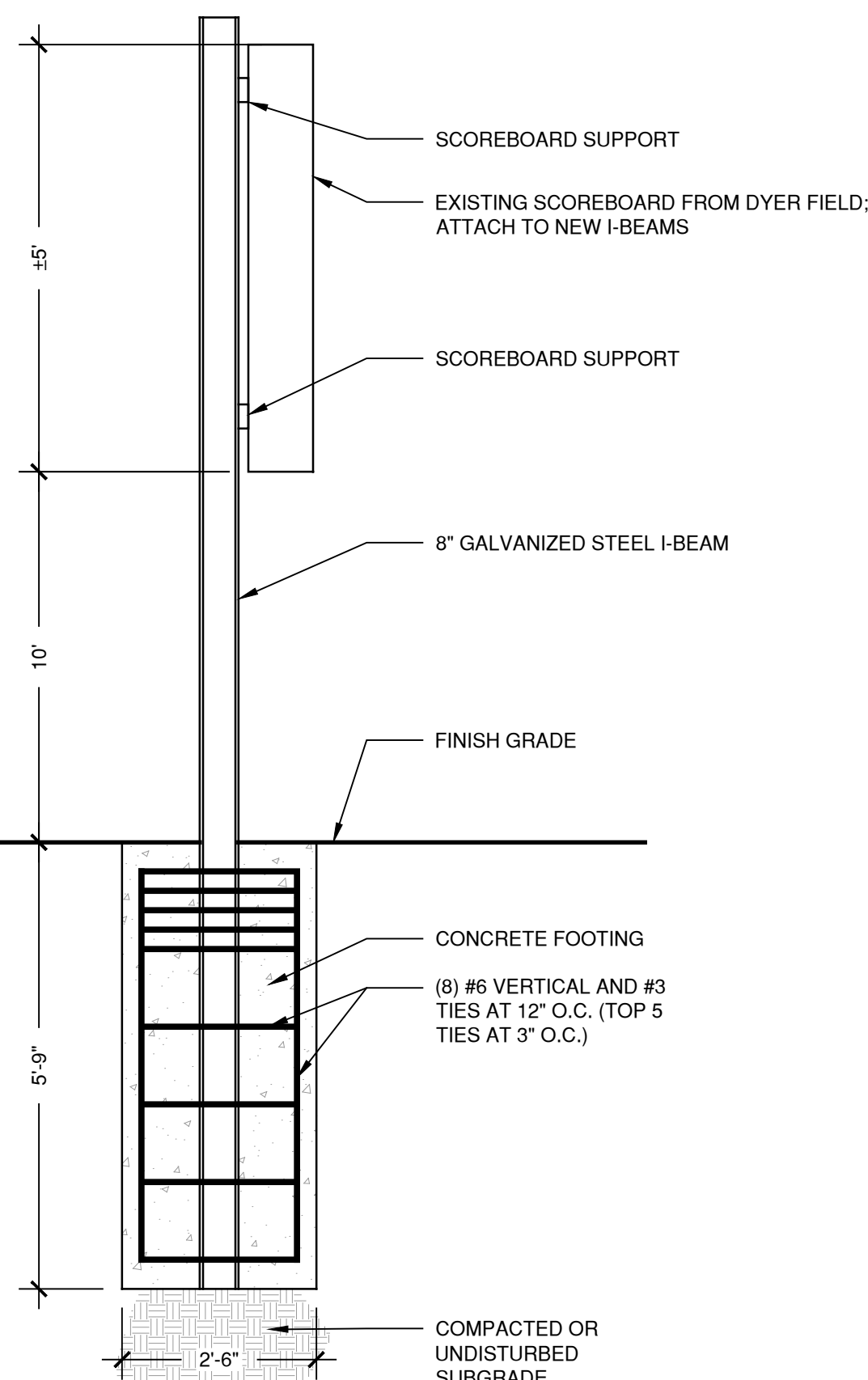
3 TREE PROTECTION
N.T.S.



4 DUGOUT
NOT TO SCALE

- 2 CHAIN LINK FENCE - 8' HT.
L-4.1
- 3 WOOD FRAME AND ROOF STRUCTURE TO BE RELOCATED FROM DYER FIELD AND REASSEMBLED
- 4 ATTACH WOOD STRUCTURE WITH 1/2" ANCHOR BOLTS, 4" O.C. MAX.
- 5 4" HIGH CMU WALL ON 12"X42" CONCRETE FOUNDATION. PAINT TO MATCH EXISTING
- 6 PLAYERS BENCH - RELOCATED FROM DYER FIELD
- 7 CONCRETE PAVEMENT
L-4.0

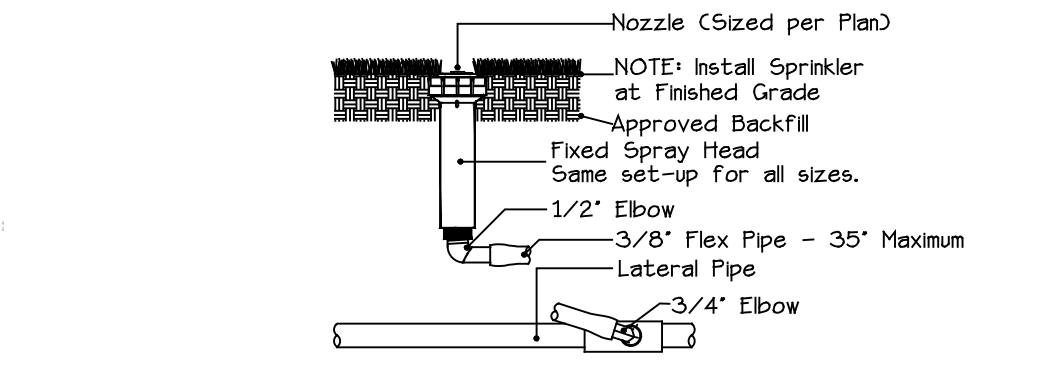
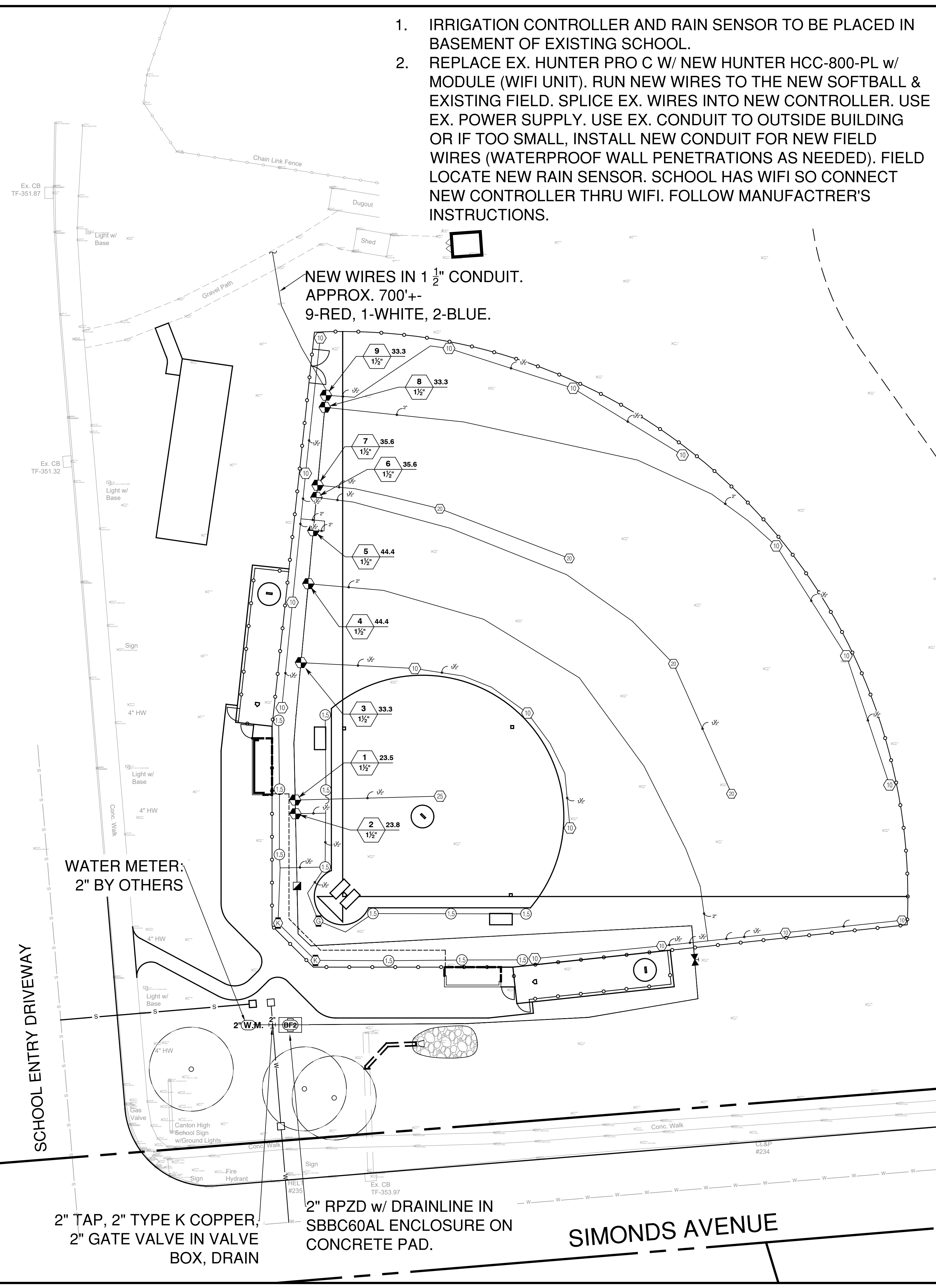
NOTE:
1. CONCRETE PAVEMENT TO BE FLUSH WITH ADJACENT GRADE.



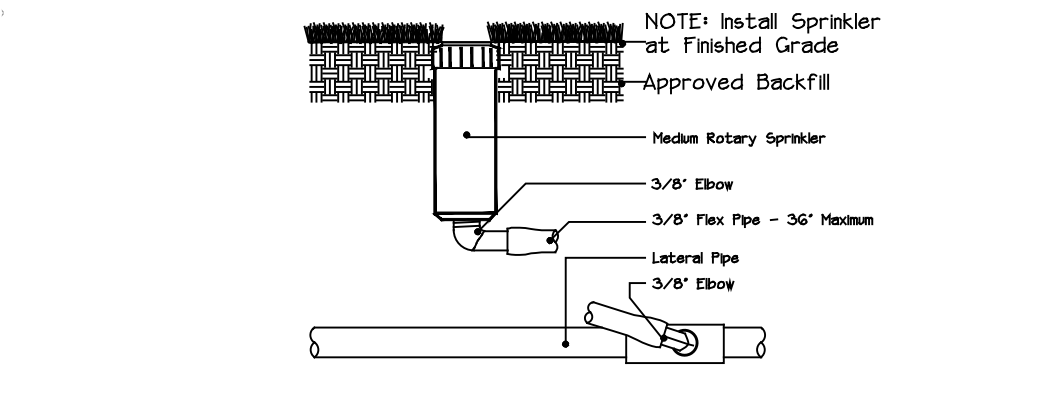
2 SCOREBOARD
SCALE 1/2" = 1'-0"

1. IRRIGATION CONTROLLER AND RAIN SENSOR TO BE PLACED IN BASEMENT OF EXISTING SCHOOL.
2. REPLACE EX. HUNTER PRO C W/ NEW HUNTER HCC-800-PL w/ MODULE (WIFI UNIT). RUN NEW WIRES TO THE NEW SOFTBALL & EXISTING FIELD. SPLICE EX. WIRES INTO NEW CONTROLLER. USE EX. POWER SUPPLY. USE EX. CONDUIT TO OUTSIDE BUILDING OR IF TOO SMALL, INSTALL NEW CONDUIT FOR NEW FIELD WIRES (WATERPROOF WALL PENETRATIONS AS NEEDED). FIELD LOCATE NEW RAIN SENSOR. SCHOOL HAS WIFI SO CONNECT NEW CONTROLLER THRU WIFI. FOLLOW MANUFACTURER'S INSTRUCTIONS.

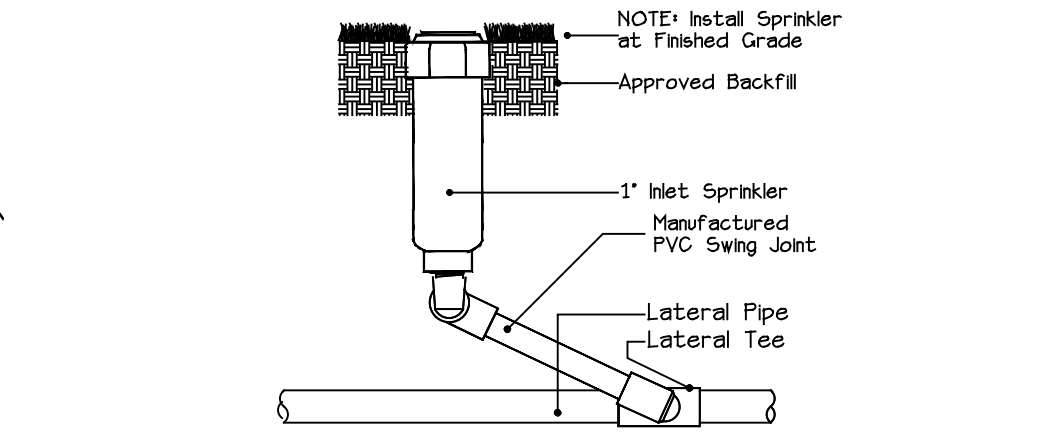
NEW WIRES IN 1 1/2" CONDUIT.
APPROX. 700'+-
9-RED, 1-WHITE, 2-BLUE.



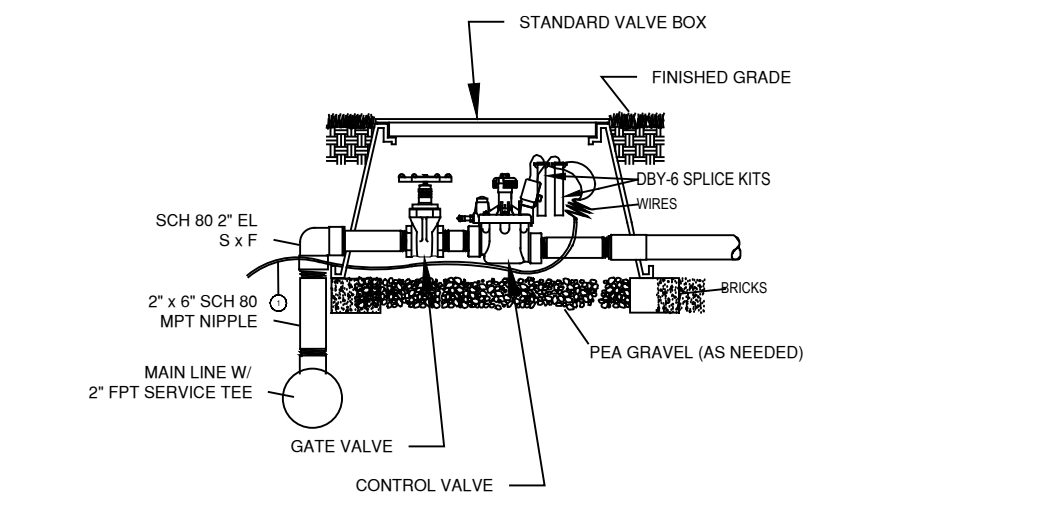
1/2" INLET SPRINKLER
(SIDE ELEVATION - NOT TO SCALE)



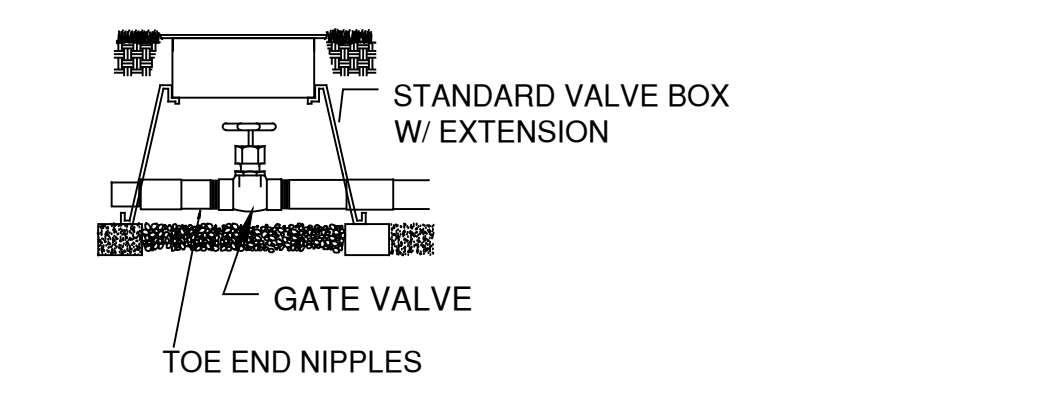
3/4" INLET SPRINKLER
(SIDE ELEVATION - NOT TO SCALE)



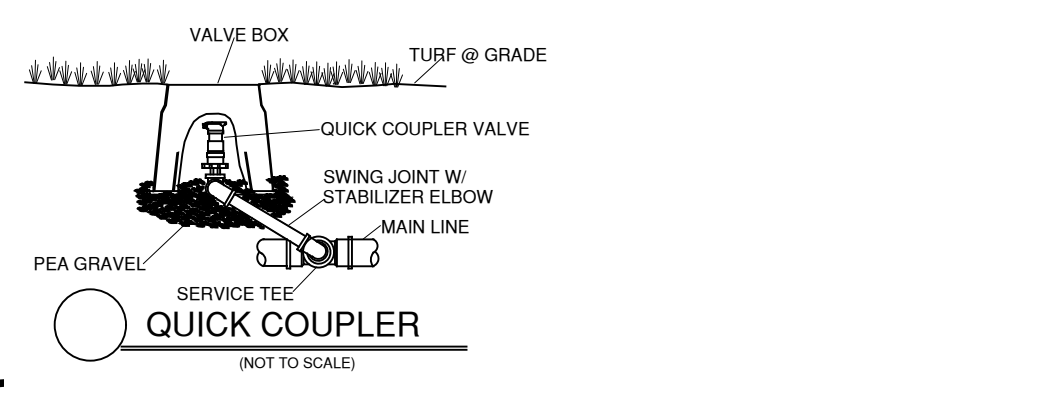
1" INLET SPRINKLER
(SIDE ELEVATION - NOT TO SCALE)



VALVE SET-UP
(SIDE ELEVATION - NOT TO SCALE)



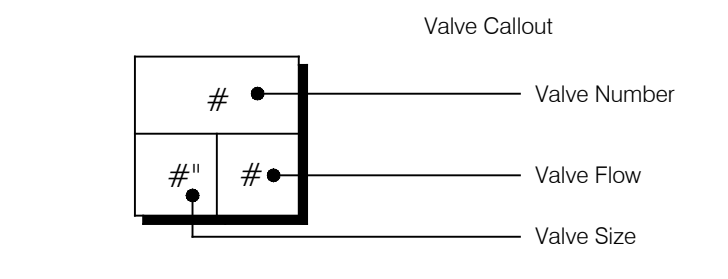
SHUT OFF
(not to scale)



QUICK COUPLER
(NOT TO SCALE)

IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL | QTY |
|--------|--|------------------|
| | Hunter Pros-04-PRS40CV-MP2000 | 3 |
| | Hunter I-20-04-SS | 12 |
| | Hunter I-25-04-SS | 17 |
| | Hunter I-25-04-SS | 4 |
| | Hunter I-25-04-SS | 1 |
| SYMBOL | MANUFACTURER/MODEL | QTY |
| | Zone Valve: Hunter ICV151G 1 1/2" w/ Gate Valve | 9 |
| | Quick Coupler: Hunter HQ44RC 1" w/ HK44 Key 1" | 1 |
| | Isolation Valve: Line Sized | 1 |
| | Controller: Hunter I2C800PL w/ ICM800 Module | 1 |
| | Rain Sensor: Hunter Rainclik | 1 |
| | Laterals: Class 200 1" Sw Pvc Pipe | 700' |
| | Laterals: Class 200 1 1/2" Sw Pvc Pipe | 1100' |
| | Laterals: Class 200 2" Sw Pvc Pipe | 60' |
| | Mainline: Class 200 2" Sw Pvc Pipe w/ #1/4" Uf Wire | 300' |
| | Wire: #1/4" Uf Red Control (9), White Common (1), Blue Sares (2) | 500', 500', 500' |



IRRIGATION NOTES

1. ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
2. ALL REMOTE CONTROL VALVES ARE TO BE INSTALLED IN VALVE BOXES AS NEEDED.
3. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE #1/4" Uf RED FOR CONTROL (9 TOTAL), WHITE COMMON (1 TOTAL), AND BLUE SPARES (2 TOTAL). USE DBY-6 CONNECTORS WHERE NEEDED.
4. FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. SYSTEM IS DESIGNED FOR UP TO 45 GPM PER ZONE. PRESSURE AT THE INLET TO THE BACKFLOW SHALL BE 85 PSI.
6. ANY CHANGES IN AVAILABILITY OF SUPPLY SHOULD BE NOTED AND MODIFICATIONS TO THE DESIGN SHOULD BE MADE.
7. CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
8. THE LOCATION OF ALL IRRIGATION IS DIAGRAMMATIC AND SUBJECT TO FIELD VERIFICATION.
9. ANY IRRIGATION PIPING SHOWN OUTSIDE OF CURBS FOR CLARITY ONLY.
10. WATER: 2" @ 85 PSI, BY OTHERS; POWER: 115 VAC DEDICATED GFCI OUTLET, BY OTHERS. 4" PVC SLEEVES, BY OTHERS.

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SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:
TOWN OF CANTON

Consultant

PROPOSED:
DYER SOFTBALL FIELD RELOCATION PROJECT
76 SIMONDS AVE COLLINSVILLE, CT

Sheet Description:

Irrigation Plan & Details

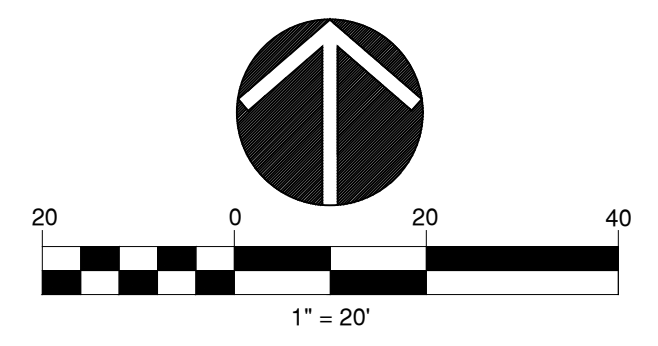
Rev:

Issue Date:
OCTOBER 13, 2021

Scale: AS NOTED Drawn by: JT/MD

Project number:
6381

Sheet #:
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ELECTRICAL SYMBOL LIST

NOTE: ALL MOUNTING HEIGHTS GIVEN ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|-----------------|---|--|---|
| | PENDANT MOUNTED LIGHT FIXTURE | | EMERGENCY SWITCH - MOUNT AT 48" A.F.F. - M=MASTER - S=SLAVE |
| | PENDANT MOUNTED LIGHT FIXTURE | | JUNCTION BOX |
| | CEILING MOUNTED LIGHT FIXTURE | | JUNCTION BOX WITH 120V POWER FOR TEMPERATURE CONTROLS |
| | WALL MOUNTED LIGHT FIXTURE | | JUNCTION BOX FOR CATV OUTLET WITH 1 1/4" CONDUIT TO CEILING |
| | SURFACE MOUNTED LIGHT FIXTURE | | MOTOR |
| | RECESSED DOWN LIGHT FIXTURE | | NON-FUSED DISCONNECT SWITCH |
| | RECESSED 2'X4' LIGHT FIXTURE | | FUSED DISCONNECT SWITCH |
| | RECESSED 2'X2' LIGHT FIXTURE | | MAGNETIC MOTOR STARTER |
| | WALL MOUNTED FIXTURE | | COMBINATION DISCONNECT SWITCH/MAGNETIC MOTOR STARTER |
| | LINEAR FIXTURE | | |
| | SINGLE FACE EXIT SIGN WITH BATTERY AND DIRECTIONAL ARROWS UNIVERSAL MOUNT | | BRANCH CIRCUIT WIRING |
| | DOUBLE FACE EXIT SIGN WITH BATTERY AND DIRECTIONAL ARROWS UNIVERSAL MOUNT | | BRANCH CIRCUIT FEEDER |
| | EMERGENCY BATTERY UNIT WITH TWO DIRECTIONAL HEADS | | ELECTRICAL GROUND |
| | EMERGENCY REMOTE, WEATHERPROOF, WITH DOUBLE DIRECTIONAL HEADS | | FLEXIBLE EQUIPMENT CONNECTION |
| | | | FIXED/HARD - WIRED EQUIPMENT CONNECTION |
| S | SINGLE POLE TOGGLE SWITCH | | |
| S ₃ | THREE WAY TOGGLE SWITCH | | |
| S ₄ | FOUR WAY TOGGLE SWITCH | | TIMECLOCK |
| S ₁ | SINGLE POLE KEYED TOGGLE SWITCH | | CONTACTOR |
| S _{3K} | THREE WAY KEYED TOGGLE SWITCH MOUNT | | SECURITY SYSTEM CAMERA |
| S _{4K} | FOUR WAY KEYED TOGGLE SWITCH MOUNT | | SECURITY SYSTEM DOOR LOCK |
| S _T | THERMAL OVERLOAD SWITCH - MOUNT AT FRACTIONAL HP MOTORS | | SECURITY SYSTEM MOTION SENSOR |
| S _D | DIMMER SWITCH | | SECURITY SYSTEM CARD READER |
| S _{PS} | PROJECTION SCREEN SWITCH | | SECURITY SYSTEM DOOR CONTACT |
| S _{OC} | WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH | | SECURITY SYSTEM KEY PAD |
| | DOORBELL BUZZER/CHIME - MOUNT 7'-0" A.F.F. | | FLOW SWITCH |
| | CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR | | TAMPER SWITCH |
| | PHOTOCELL | | PRESSURE SWITCH |
| | | | WALL MOUNTED SPEAKER |
| | EMERGENCY ELECTRIC/GAS SHUTOFF PUSHBUTTON OPERATOR | | CEILING MOUNTED SPEAKER |
| | GROUNDING DUPLEX RECEPTACLE | | INTERCOM STATION |
| | GROUNDING DUPLEX RECEPTACLE - MOUNT ABOVE COUNTER OR BACKSPLASH 42" A.F.F. | | COMBINATION SPEAKER/CLOCK |
| | GROUNDING DUPLEX RECEPTACLE - MOUNT AT CEILING | | CLOCK |
| | GROUNDING DUPLEX GFI RECEPTACLE | | |
| | GROUNDING DUPLEX GFI RECEPTACLE "WEATHERPROOF WHILE IN-USE" COVER | | |
| | GROUNDING DUPLEX RECEPTACLE - STUB UP TO 24" A.F.F. ON 1" (MIN) RGS CONDUIT | | |
| | VERTICAL PLUGMOLD WITH OUTLETS AT 12" O.C. - 5' LONG | | |
| | GROUNDING GFI DUPLEX RECEPTACLE DEDICATED FOR MICROWAVE OVEN - VERIFY EXACT MOUNTING LOCATION | | |
| | GROUNDING DOUBLE DUPLEX RECEPTACLE | | |
| | GROUNDING 240V RECEPTACLE | | |
| | GROUNDING GFI DUPLEX RECEPTACLE WITH INTERGRAL USB CHARGING PORT | | |
| | GROUNDING SIMPLEX RECEPTACLE | | |
| | SPECIAL PURPOSE RECEPTACLE - MATCH NEMA CONFIGURATION OF EQUIPMENT SERVED | | |
| | FLOOR MOUNTED DEVICES AS LISTED ABOVE | | |
| | RECESSED MOUNTED PANELBOARD | | |
| | SURFACE MOUNTED PANELBOARD | | |
| | COMBINATION POWER/TEL/DATA POLE | | |
| | TELEPHONE/DATA OUTLETS | | |
| | WIRELESS ACCESS POINT (WAP - WIRELESS ACCESS POINT) INCLUDE CAT 5e CABLE | | |
| | | ELECTRICAL LEGEND NOTES: 1. ALL SYMBOLS MAY NOT BE USED. | |
| | MANUAL FIRE ALARM PULL STATION - MOUNT AT 48" A.F.F. | ABBREVIATIONS | |
| | HEAT DETECTOR | A | AMPERE |
| | HEAT DETECTOR 200" | KW | KILOWATT |
| | AREA SMOKE DETECTOR | AFF | ABOVE FINISHED FLOOR |
| | DUCT SMOKE DETECTOR | MAU | MAKE-UP AIR UNIT |
| | AREA COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR | AFG | ABOVE FINISHED GRADE |
| | ELEVATOR RETURN SMOKE DETECTOR | NL | NIGHT LIGHT |
| | FIRE ALARM CARBON MONOXIDE DETECTOR | NLE | NEW LOCATION OF EXISTING |
| | FIRE ALARM REMOTE TEST SWITCH | AHU | AIR HANDLING UNIT |
| | MAGNETIC DOOR HOLDER | OHD | OVERHEAD DOOR ELECTRIC OPERATOR |
| | FIRE ALARM VISUAL ONLY INDICATING UNIT - MOUNT AT 6'-6" A.F.F. | P | POLE |
| | FIRE ALARM SPEAKER/VISUAL INDICATING UNIT - MOUNT AT 6'-6" A.F.F. | PE | PRIMARY ELECTRIC SERVICE |
| | LIGHTING CONTROL RELAY | PH or Ø | PHASE |
| | FIRE ALARM ADDRESSABLE OUTPUT MODULE | CUH | CABINET UNIT HEATER |
| | FIRE ALARM ADDRESSABLE INPUT MODULE | DAC | DOOR ACCESS CONTROLLER |
| | SPEAKER VOLUME CONTROL | PNL | PANEL |
| | FIRE ALARM CONTROL PANEL | PVC | POLYVINYL CHLORIDE CONDUIT |
| | FIRE ALARM REMOTE ANNUNCIATOR PANEL | EBB | ELECTRIC BASEBOARD |
| | HAZARDOUS GAS MONITOR PANEL FURNISHED BY DIV. 25, WIRED BY DIV. 26 | EBU | EMERGENCY BATTERY UNIT |
| | EMERGENCY "CALL-FOR-AID" BUZZER/LIGHT - MOUNT AT 7'-6" A.F.F. | EF | EXHAUST FAN |
| | EMERGENCY "CALL-FOR-AID" SWITCH - MOUNT 48" A.F.F. WITH PULL CORD TO 6" A.F.F. | EM | EMERGENCY POWERED |
| | | EMT | ELECTRICAL METALLIC TUBING |
| | | ETR | EXISTING TO REMAIN |
| | | EWC | ELECTRIC WATER COOLER |
| | | EWL | ELECTRIC WATER HEATER |
| | | FA | FIRE ALARM |
| | | UNO | UNLESS NOTED OTHERWISE |
| | | FACP | FIRE ALARM CONTROL PANEL |
| | | W | WIRE |
| | | FMC | FLEXIBLE METALLIC TUBING |
| | | WAP | WIRELESS ACCESS POINT |
| | | GFI | GROUND FAULT INTERRUPTER |
| | | WP | WEATHER PROOF |
| | | IG | ISOLATED GROUND |
| | | JB | JUNCTION BOX |
| | | KVA | KILOVOLT-AMP |

ELECTRICAL GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH CURRENT APPLICABLE CODES, ORDINANCES, THE REGULATORY AGENCIES HAVING JURISDICTION AND THE SPECIFICATIONS. THE SPECIFICATIONS MAY EXCEED THE REQUIREMENTS OF THE CODE, IN WHICH CASE, THE SPECIFICATION MUST BE FOLLOWED.
- THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED ELECTRICAL SYSTEM SHALL BE COMPLETE IN ALL RESPECTS; OPERATIONAL, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
- THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE VARIOUS DOCUMENTS IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. COORDINATE LOCATIONS OF EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATION TO THE EQUIPMENT LAYOUT, REQUIRED FOR INSTALLATION, IS TO BE PERFORMED UNDER THE CONTRACT AGREEMENT, AT NO ADDITIONAL COST. REFER TO DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT AND CONDUITS. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EQUIPMENT AND CONDUITS INSTALLATION WITH ALL THE TRADES BEFORE COMMENCING WORK.
- EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, WHEN EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING (GYM BOARD OR EQUIVALENT), OR BEHIND A WALL, AN APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. IF AN ACCESS DOOR IS REQUIRED, IT SHALL BE OF A RATING APPROPRIATE FOR THE WALL/CEILING IN WHICH IT IS TO BE INSTALLED. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ACCESS PANELS FOR ALL DEVICES, REQUIRING ACCESS, WITH THE ARCHITECT, PRIOR TO INSTALLATION OF SUCH DEVICES OR OTHER APPURTENANCES.
- WHERE A CONFLICT OCCURS BETWEEN THE DOCUMENTS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- THIS CONTRACT SHALL INCLUDE ALL THE NECESSARY CONDUITS, FITTINGS, TRANSITIONS ETC. AS REQUIRED TO INSTALL CONDUITS AND EQUIPMENT, AND TO AVOID ANY CONFLICTS WITH OTHER TRADES AND THE BUILDING STRUCTURE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO COORDINATE WITH OTHER TRADES OR BECOME FULLY FAMILIAR WITH THE PROJECT DOCUMENTS OF ALL TRADES.
- DO NOT INSTALL ANY ELECTRICAL PANELS, TRANSFORMERS, SPECIAL EQUIPMENT, BELOW PIPING OR THROUGH MECHANICAL ROOMS, THAT ARE NOT ASSOCIATED WITH OR SERVE THE RESPECTIVE ROOMS. COORDINATE THE LOCATION OF MECHANICAL EQUIPMENT IN THE FIELD AND ADJUST AS NECESSARY.
- ALL HOMERUNS SHALL BE 2#12, 1#12G, 3/4" TO 20A-1P CIRCUIT BREAKER IN PANEL DESIGNATED UNLESS OTHERWISE NOTED.
- ALL 120 VAC (277 VAC) CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE INCREASED TO 2#10, 1#10G, 3/4" CONDUIT UNLESS OTHERWISE NOTED.
- ALL BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRALS. USE OF COMMON NEUTRALS WILL NOT BE ALLOWED.
- FIELD VERIFY WITH MANUFACTURER'S PROVIDED EXACT ELECTRICAL CHARACTERISTICS AND CONNECTION REQUIREMENTS OF ALL OPERATIONAL EQUIPMENT PRIOR TO MAKING ELECTRICAL POWER CONNECTION. FURNISH AND INSTALL SAFETY DISCONNECT AS REQUIRED BY NEC.
- RECEPTACLES LOCATED WITHIN 6' OF A WATER SOURCE, OR OUTSIDE, AND WHERE REQUIRED BY CODE SHALL BE PROVIDED WITH GFCI PROTECTION, WHETHER INDICATED OR NOT.
- EXTERIOR RECEPTACLES SHALL BE PROVIDED WITH "CAST ALUMINUM" LOCKABLE COVERS RATED "WEATHER-PROOF WHILE IN USE". LOCKS SHALL BE KEYPED ALIKE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED SLEEVES AND FIRE STOP FOR CONDUITS AND CABLES PENETRATING FIRE RATED WALLS AND FLOORS.
- ELECTRICAL CONTRACTOR SHALL SEAL ALL CONDUITS PENETRATING EXTERIOR WALLS.
- ALL WIRING SHALL BE IN CONDUIT, UNLESS OTHERWISE INDICATED. CONDUITS SHALL BE RUN CONCEALED IN NEW AND ABOVE CEILINGS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LOCATIONS OF EQUIPMENT WITH DIV. 21, 22 AND 23 PRIOR TO ROUGHING OR INSTALLING OUTLETS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, ALL LOCATIONS OF EQUIPMENT BEING FURNISHED BY THE OWNER PRIOR TO ROUGHING OR INSTALLING OUTLETS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND EXACT LOCATION OF DEVICES PRIOR TO ROUGHING OR INSTALLATION OF OUTLETS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF DUCT SMOKE DETECTORS WITH DIV. 23. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED BY DIV. 23.
- ALL FIRE ALARM DEVICES LOCATED ON BUILDING EXTERIOR SHALL BE WEATHERPROOF RATED.
- CONDUITS AND/OR WIRING SHALL NOT PENETRATE STAIR ENCLOSURES UNLESS SPECIFICALLY SERVING EQUIPMENT OR DEVICES LOCATED WITHIN STAIR ENCLOSURE.
- WHERE INDICATED, PROVIDE FIXTURES WITH EMERGENCY BATTERY TO OPERATE LAMPS FOR 1 1/2 HOURS UPON LOSS OF NORMAL POWER. WIRE EMERGENCY BATTERY AND EXIT LIGHTS TO LINE SIDE OF AREA LIGHTING CIRCUIT.
- DIRECTIONAL CHEVRONS SHALL CONFORM TO NFPA 5-10.4.1.2 AND SHALL BE IDENTIFIABLE AS A DIRECTIONAL INDICATOR AT A MINIMUM OF 40 FT. UNDER ALL SPACE CONDITIONS. PROVIDE DIRECTIONAL CHEVRONS AS INDICATED ON PLAN.
- BRANCH CIRCUIT WIRING IS SHOWN ON THE FLOOR PLANS. NUMERALS ADJACENT TO THE HOMERUN SYMBOLS FOR LIGHTING, RECEPTACLES, MOTORS, APPLIANCES, ETC. INDICATE THE CIRCUIT NUMBER TO WHICH THE ITEMS ARE TO BE CONNECTED. PROVIDE BRANCH CIRCUIT WIRING FOR ALL ITEMS SHOWN IN ACCORDANCE WITH THESE GENERAL NOTES AND THE ELECTRICAL SPECIFICATIONS.
- ALL 1 POLE, 15 AND 20 AMPERE BRANCH CIRCUITS SERVING RECEPTACLE OR LIGHTING SHALL BE 2 WIRE CIRCUITS PROVIDING AN INDIVIDUAL NEUTRAL CONDUCTOR FOR EACH UNGROUNDED (HOT) CIRCUIT CONDUCTOR. DO NOT SHARE NEUTRAL CONDUCTORS.
- REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF CEILING MOUNTED DEVICES.
- ALL EXPOSED CABLES OF ANY TYPE IN PLENUM CEILING SPACE SHALL BE PLENUM RATED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY MISCELLANEOUS STEEL FOR THE SUPPORT OF ALL EQUIPMENT, PIPING, CONDUIT AND DUCTWORK. SUSPENDED FROM SLAB, STEEL, WALL OR TRUSSWORK.
- ALL PENETRATIONS OF FLOORS AND WALLS (WHETHER OR NOT FIRE RESISTANCE RATED) SHALL BE PROVIDED WITH A THROUGH PENETRATION PROTECTION SYSTEM (FIREFSTOPPING), EACH THROUGH - PENETRATION PROTECTION SYSTEM SHALL BE TESTED IN ACCORDANCE WITH ASTM E814 AND BE LISTED FOR THE TYPE OF FLOOR OR WALL ASSEMBLY PENETRATED AND THE TYPE OF PROTECTION SYSTEM.
- IT IS NOT THE INTENTION TO SHOW EVERY FITTING, HANGER, WIRE OR DEVICE, ALL SUCH ITEMS SHALL BE FURNISHED AND INSTALLED AS NECESSARY FOR A COMPLETE SYSTEM.
- SEE SPECIFICATION SECTION "ELECTRICAL IDENTIFICATION" FOR PROPERLY LABELING EQUIPMENT WIRING, BOXES, ETC.
- CONTRACTOR SHALL DETERMINE THE QUANTITY OF CONDUCTORS REQUIRED FOR PROPER OPERATION OF ALL SWITCHING SCHEMES.
- PROVIDE ALL BONDING AND GROUNDING REQUIRED BY THE NATIONAL ELECTRIC CODE, NFPA 70 AND AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
- ALL REQUIRED BONDING CONDUCTORS SHALL BE MINIMUM #8 SOLID INSULATED COPPER, PROVIDE ALL NECESSARY FITTINGS, JUNCTION BOXES, END FITTINGS, ETC., FOR A COMPLETE, CONTINUOUS INSTALLATION.
- ALL BONDING/GROUNDING CONNECTIONS SHALL BE MADE BY LISTED CLAMP OR CONNECTORS AS REQUIRED BY ARTICLE 250 OF NFPA 70, THE NATIONAL ELECTRIC CODE (CURRENT ADOPTED EDITION).
- SEISMICALLY SUPPORT THE EQUIPMENT AS REQUIRED BY CODE, THE AUTHORITY HAVING JURISDICTION, AND/OR AS SPECIFIED. SUBMIT ENGINEERED INSTALLATION DETAILS PER THE SPECIFICATIONS. THE CONTRACTOR'S SEISMIC ENGINEER SHALL REVIEW THE INSTALLATION AND PROVIDE A DETAILED REPORT FOR THE RECORD.

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SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

TOWN OF
CANTON

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PROPOSED:
**DYER SOFTBALL FIELD
 RELOCATION PROJECT**
 76 SIMONDS AVE COLLINGSVILLE, CT

Sheet Description:
**ELECTRICAL
 SYMBOLS
 AND
 GENERAL
 NOTES**

Rev:

Issue Date:
 OCTOBER 13, 2021

Scale:
 AS NOTED

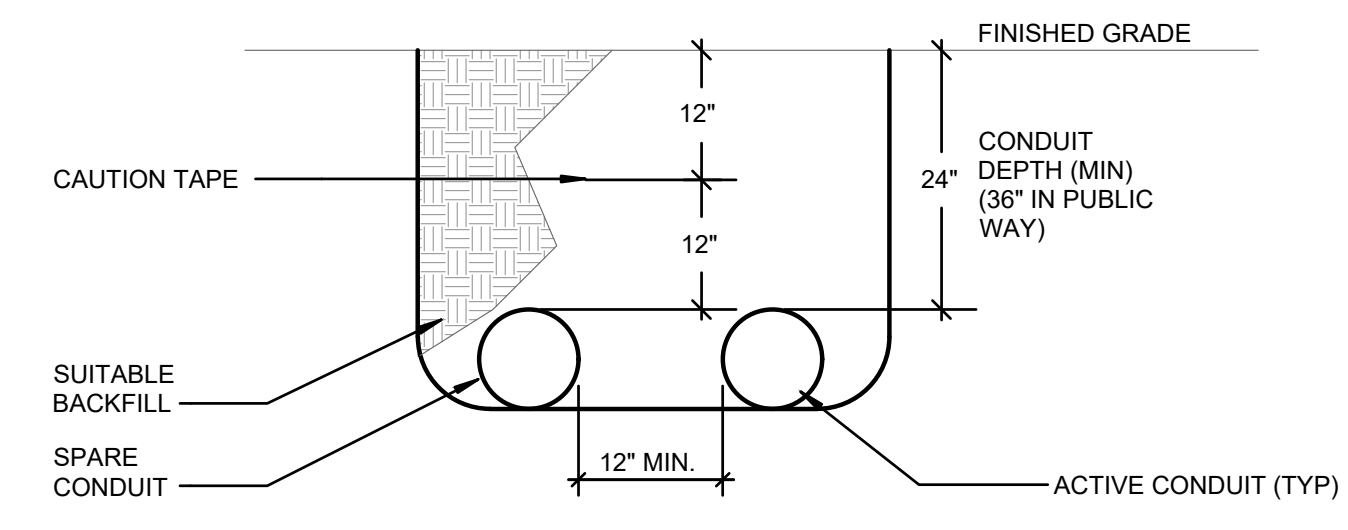
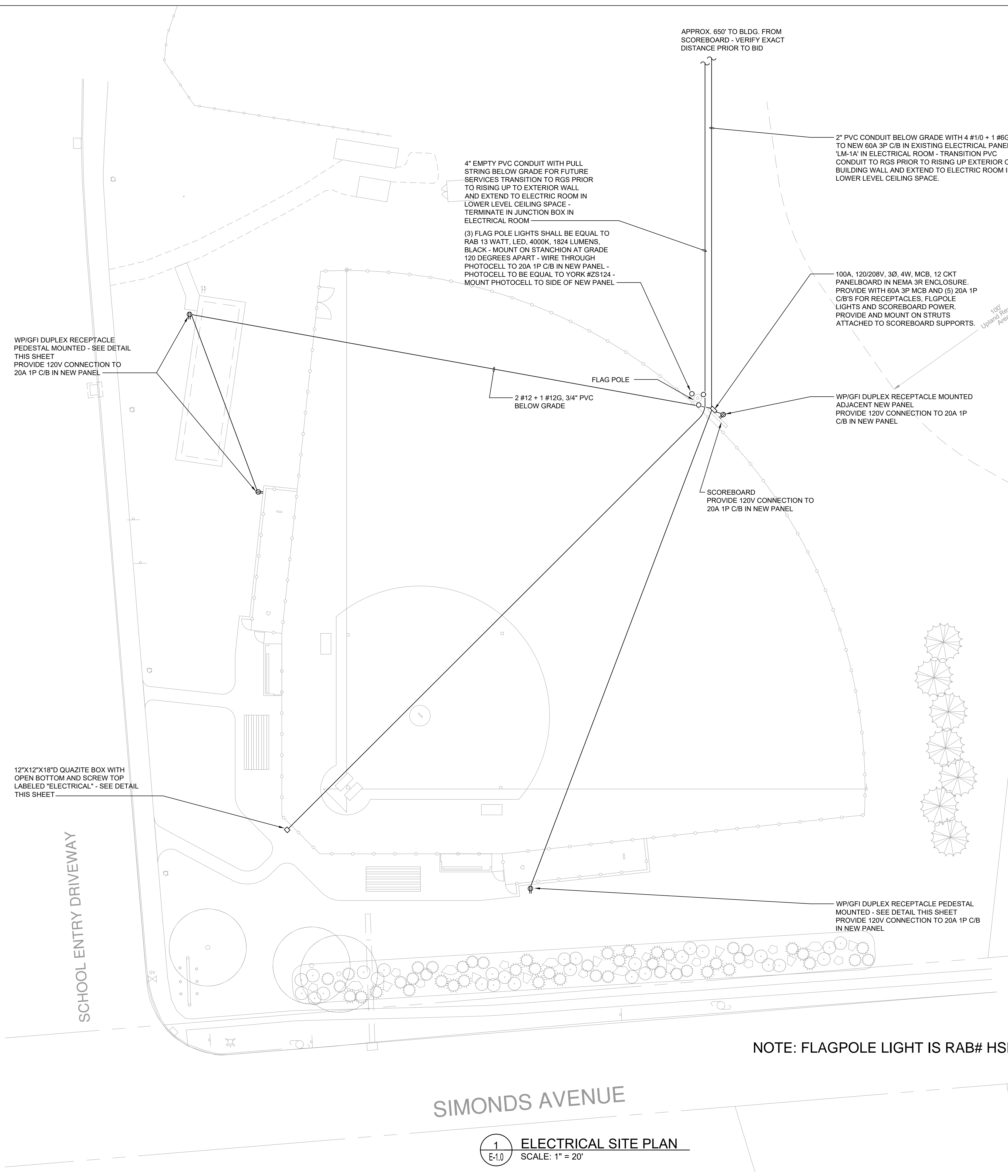
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 BJZ

Project number:
 6381

Sheet #:

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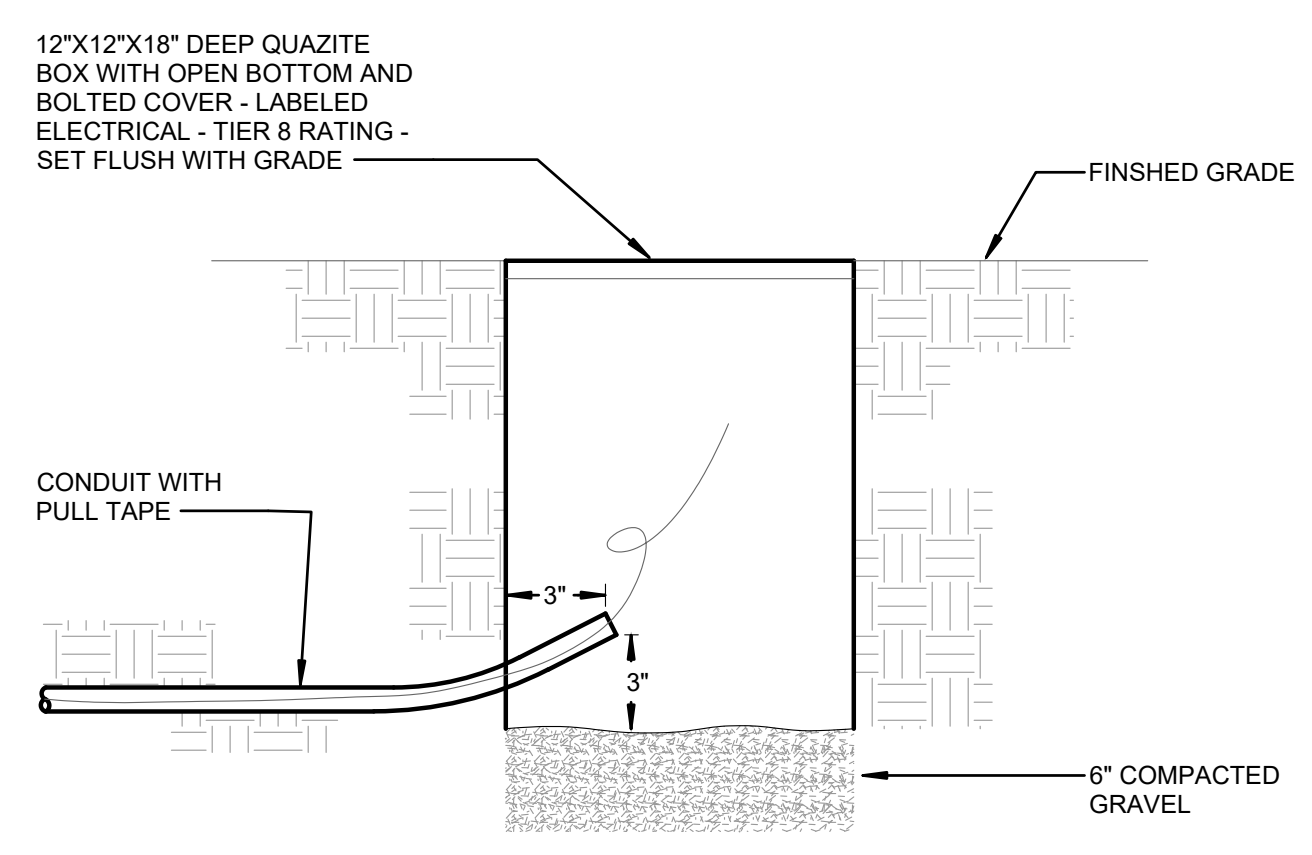
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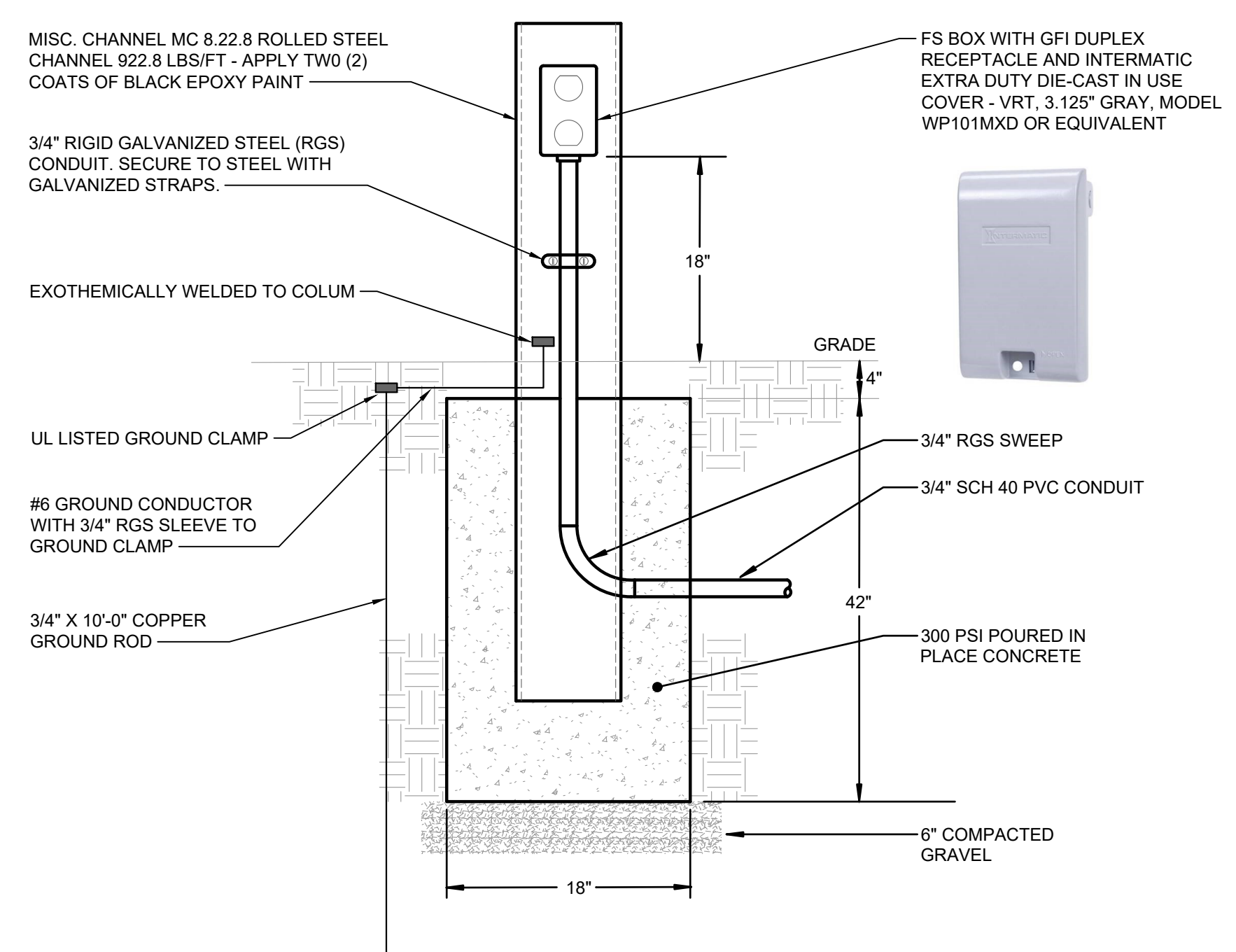
UNDERGROUND CAUTION TAPE: PERMANENT, BRIGHT - COLORED, CONTINUOUS PRINTED, VINYL TAPE FOR PERMANENT DIRECT-BURIAL SERVICE, AND WITH THE FOLLOWING FEATURES:

1. NOT LESS THAN 6 INCHES WIDE BY 4 MILS THICK
2. EMBEDDED CONTINUOUS METALLIC STRIP OR CORE.
3. PRINTED LEGEND THAT INDICATES TYPE OF UNDERGROUND LINE.

2 TRENCH DETAIL
E-1.0 NOT TO SCALE

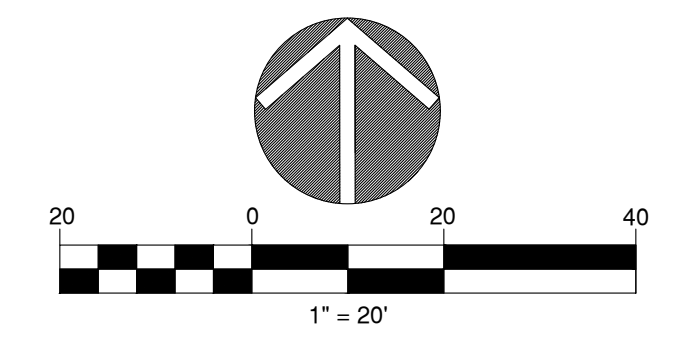


3 QUAZITE BOX INSTALLATION DETAIL
E-1.0 NOT TO SCALE



4 PEDESTAL RECEPTACLE - MOUNTING DETAIL
E-1.0 NOT TO SCALE

1 ELECTRICAL SITE PLAN
E-1.0 SCALE: 1" = 20'



ELECTRICAL SPECIFICATIONS:

GENERAL:

THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CONNECTICUT STATE BUILDING CODE INCLUDING THE LATEST ADOPTED VERSION OF:

- INTERNATIONAL BUILDING CODE
- AMENDMENTS TO THE INTERNATIONAL BUILDING CODE
- INTERNATIONAL PLUMBING CODE
- INTERNATIONAL MECHANICAL CODE
- INTERNATIONAL ENERGY CONSERVATION CODE
- NATIONAL ELECTRICAL CODE
- ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR TO COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON THE PLANS AND AS SPECIFIED HEREIN.

THE INTENT OF THESE SPECIFICATIONS AND CONTRACT DRAWINGS IS TO PROVIDE COMPLETE INSTALLATION OF THE VARIOUS SYSTEMS DESCRIBED HEREIN AND INDICATED ON THE DRAWINGS. ANY LISTING OR INDICATION OF ITEMS FURNISHED OR WORK TO BE PERFORMED SHALL NOT BE COMPLETE IN ITSELF AND SHALL NOT LIMIT THE GENERAL REQUIREMENTS TO FURNISH AND INSTALL WORK, EQUIPMENT, ACCESSORIES, CONTROLS, ETC., TO COMPLETE THE CONTRACT IN A SUBSTANTIAL MANNER. WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- A. NEW PANELBOARD INCLUDING CONNECTION TO EXISTING DISTRIBUTION SYSTEM
- B. BRANCH CIRCUIT, SCOREBOARD AND RECEPTACLE WIRING AND CONDUIT, COMPLETE WITH ALL CONNECTIONS
- C. PROVISION OF ALL OUTLET BOXES, WIRING DEVICES, PLATES, CONDUIT, CONDUIT FITTINGS, HANGERS, SUPPORTS, AND SUCH OTHER ITEMS REQUIRED AND INCIDENTAL FOR A COMPLETE INSTALLATION.

PERMITS AND FEES:

- A. OBTAIN AND PAY FOR ALL NECESSARY PERMITS REQUIRED BY LAW AND LOCAL INSPECTIONS AUTHORITIES TO PERFORM THE ELECTRICAL WORK SPECIFIED HEREIN

WIRING AND RACEWAY:

1. THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS. PROVIDE COMPLETE SYSTEMS. DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT. RACEWAY LAYOUTS, BOXES, AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.
2. ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND SHAPES OF EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
3. LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON ELECTRICAL PLANS ARE APPROXIMATE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS. AND WITH JOB CONDITIONS. INSTALL SWITCHES WITH "OFF" POSITION DOWN. INSTALL RECEPTACLES WITH GROUNDING POLE IN THE UP POSITION FOR VERTICAL MOUNTING AND AT LEFT FOR HORIZONTAL MOUNTING.
4. LOCATE AND INSTALL EQUIPMENT, JUNCTION AND PULL BOXES, PANEL BOARDS, SWITCHES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENANCE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

RACEWAY INSTALLATION:

1. IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILINGS, SLABS, MASONRY, AND PARTITIONS UNLESS

OTHERWISE INDICATED. SAW CUTTING AND FINISHED PATCHING SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.

2. UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT THE PROJECT REQUIREMENTS AND FIELD CONDITIONS.

3. MINIMUM CONDUIT SIZE SHALL BE 3/4" I.D.

- A. IN CONCRETE - RIGID METAL CONDUIT
- B. UNDERGROUND - RIGID NONMETALLIC CONDUIT
- C. EXPOSED AND CONCEALED - ELECTRICAL METALLIC TUBING

WIRING INSTALLATION:

1. DO NOT USE WIRE SMALLER THAN No. 12 AWG FOR ANY POWER OR LIGHTING CIRCUIT. USE LARGER SIZES WHERE INDICATED, AS REQUIRED BY CODES, AND AS FOLLOWS:

| | |
|--------------------|------------|
| 30 AMPERE CIRCUIT: | No. 10 AWG |
| 40 AMPERE CIRCUIT: | No. 8 AWG |
| 50 AMPERE CIRCUIT: | No. 6 AWG |
| 60 AMPERE CIRCUIT: | No. 6 AWG |

A. MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 120 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

| CIRCUIT HOMERUN CONDUIT SIZE | | | | |
|------------------------------|-----------|-----------------------------|------|--|
| LENGTH | WIRE SIZE | WIRE SIZE (8 WIRES/CONDUIT) | | |
| 0' TO 50' | #12 | #12 | 3/4" | |
| 51' TO 100' | #12 | #10 | 3/4" | |
| 101' TO 200' | #10 | #8 | 1" | |

GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT/ENGINEER

NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN CONDUIT.

B. HOMERUNS AND BRANCH CIRCUIT WIRING FOR 277 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

| CIRCUIT HOMERUN CONDUIT SIZE | | | | |
|------------------------------|-----------|-----------------------------|------|--|
| LENGTH | WIRE SIZE | WIRE SIZE (8 WIRES/CONDUIT) | | |
| 0' TO 100' | #12 | #12 | 3/4" | |
| 100' TO 200' | #12 | #10 | 3/4" | |

GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT/ENGINEER

NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN CONDUIT.

2. DO NOT USE WIRE SMALLER THAN No. 14 AWG FOR CONTROL CIRCUITS UNLESS OTHERWISE RECOMMENDED BY THE EQUIPMENT OR SYSTEM MANUFACTURER ON WIRING SHOP DRAWINGS, AND SO APPROVED BY THE ARCHITECT.

3. WIRING ABOVE ACCESSIBLE CEILINGS AND IN STUDDED PARTITIONS MAY BE TYPE MC CABLE

4. WHERE GREATER THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE INSTALLED IN ANY ONE CONDUIT OR CABLE, CONDUCTORS MUST BE DERATED AND SIZES INCREASED, IF NEEDED, TO ACCOMMODATE CONDUCTOR DERATING AS REQUIRED BY NEC ARTICLE 310, NOTE 8(A) OF AMPACITY TABLES FOR 0-2000 VOLT CONDUCTORS.

5. CONDUCTORS SHALL BE COMPLETELY INSTALLED AND CONNECTED. PROVIDE ALL TERMINALS, LUGS, AND CONNECTORS TO SUIT THE APPLICATION, AND IN COMPLIANCE WITH EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.

6. BRANCH CIRCUIT WIRING FOR LIGHTING AND OTHER SINGLE PHASE APPLICATIONS SHALL BE MULTI-WIRE, UTILIZING COMMON NEUTRALS. EXCEPT COMPUTER AND WORKSTATION CIRCUITS AND DIMMER CIRCUITS SHALL HAVE SEPARATE NEUTRALS, AND AS OTHERWISE INDICATED.

7. UNDER NO CIRCUMSTANCES SHALL ANY SWITCH OR CIRCUIT BREAKER BREAK A NEUTRAL CONDUCTOR.

8. THE CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE INTENDED AS A GUIDE FOR

PROPER CONNECTION OF CIRCUITS TO PANELS. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE FINAL CIRCUITING WORK FULFILLS THE FOLLOWING CONDITIONS:

A. LOADS ON PANEL BUSES SHALL BE PHASE-BALANCED AS EVENLY AS POSSIBLE.

GROUNDING INSTALLATION:

1. PROVIDE ALL ELECTRICAL GROUNDING TO CONFORM TO ARTICLE 250 OF THE NEC.

EQUIPMENT GROUNDING:

- A. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.
- B. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.

SWITCHES AND RECEPTACLES:

1. LIGHT SWITCHES - 20 AMP, 120V - PASS & SEYMOUR #PS20AC11
2. DUPLEX RECEPTACLES - 20 AMP, 120V - PASS & SEYMOUR #PTS362LI
3. SPECIAL PURPOSE RECEPTACLES - AS SPECIFIED AND SHOWN ON THE DRAWINGS OR AS REQUIRED TO MATCH EQUIPMENT SERVED.
4. PLATES - PASS & SEYMOUR TP SERIES
5. WIRING DEVICES AS SPECIFIED ARE BASED ON PASS AND SEYMOUR CATALOG NUMBERS. DEVICES AS MANUFACTURED BY LEVITON OR HUBBEL WILL BE CONSIDERED, IF THEY ARE OF THE SAME TYPE AND QUALITY.
6. ALL DEVICES AND PLATES SHALL BE IVORY UNLESS OTHERWISE NOTED. COORDINATE ALL FINISHES WITH ARCHITECT PRIOR TO PURCHASE.

EXAMINATION OF SITE:

1. BEFORE SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE WITH PLANS AND SPECIFICATIONS IN HAND AND SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS UNDER WHICH HIS WORK WILL BE PERFORMED.
2. THE SUBMISSION OF A BID SHALL BE TAKEN AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE, AND DIFFICULTIES, IF ANY, NOTED AND REPORTED TO THE ENGINEER. LATTER CLAIMS FOR EXTRA COST OF LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN, SHALL NOT BE RECOGNIZED.

FINAL INSPECTION AND TEST:

1. PRIOR TO TEST, FEEDERS AND BRANCHES SHALL BE CONTINUOUS FROM SERVICE CONTACT POINT TO EACH OUTLET. ALL PANELS, FEEDERS AND DEVICES CONNECTED AND CIRCUIT BREAKERS IN PLACE. TEST SYSTEM FREE FROM SHORT CIRCUITS AND GROUND WITH INSULATION RESISTANCE NOT LESS THAN OUTLINED IN THE 2005 NATIONAL ELECTRICAL CODE. PROVIDE TESTING EQUIPMENT NECESSARY AND CONDUCT TEST IN PRESENCE OF OWNER'S AUTHORIZED REPRESENTATIVE.

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**ELECTRICAL
SPEC'S**

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