

GROVELAND DOG PARK

BID DOCUMENTS

LOCUS MAP



BIRD'S EYE



3/9/2022 1:57:17 PM - T:\2112 GROVELAND DOG PARK\CONSTRUCTION DRAWINGS\CURRENT CWDG DRAWINGS\PR DOG PARK PLANS.DWG - CHRISTINE WILSON



PREPARED BY:

LANDSCAPE ARCHITECT

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IN ASSOCIATION WITH:

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PREPARED BY:



Copley Wolff Design Group
Landscape Architects & Planners
www.copley-wolff.com

PROJECT NAME / CLIENT:

GROVELAND DOG PARK
185 MAIN STREET,
PINES RECREATION AREA,
GROVELAND, MA 01834



CONSULTANT:



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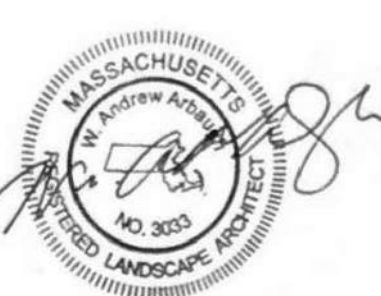
CWDG PROJECT NUMBER: 2112

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REV # DATE DESCRIPTION

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DRAWING TITLE:

COVER SHEET

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DATE: 03/09/2022

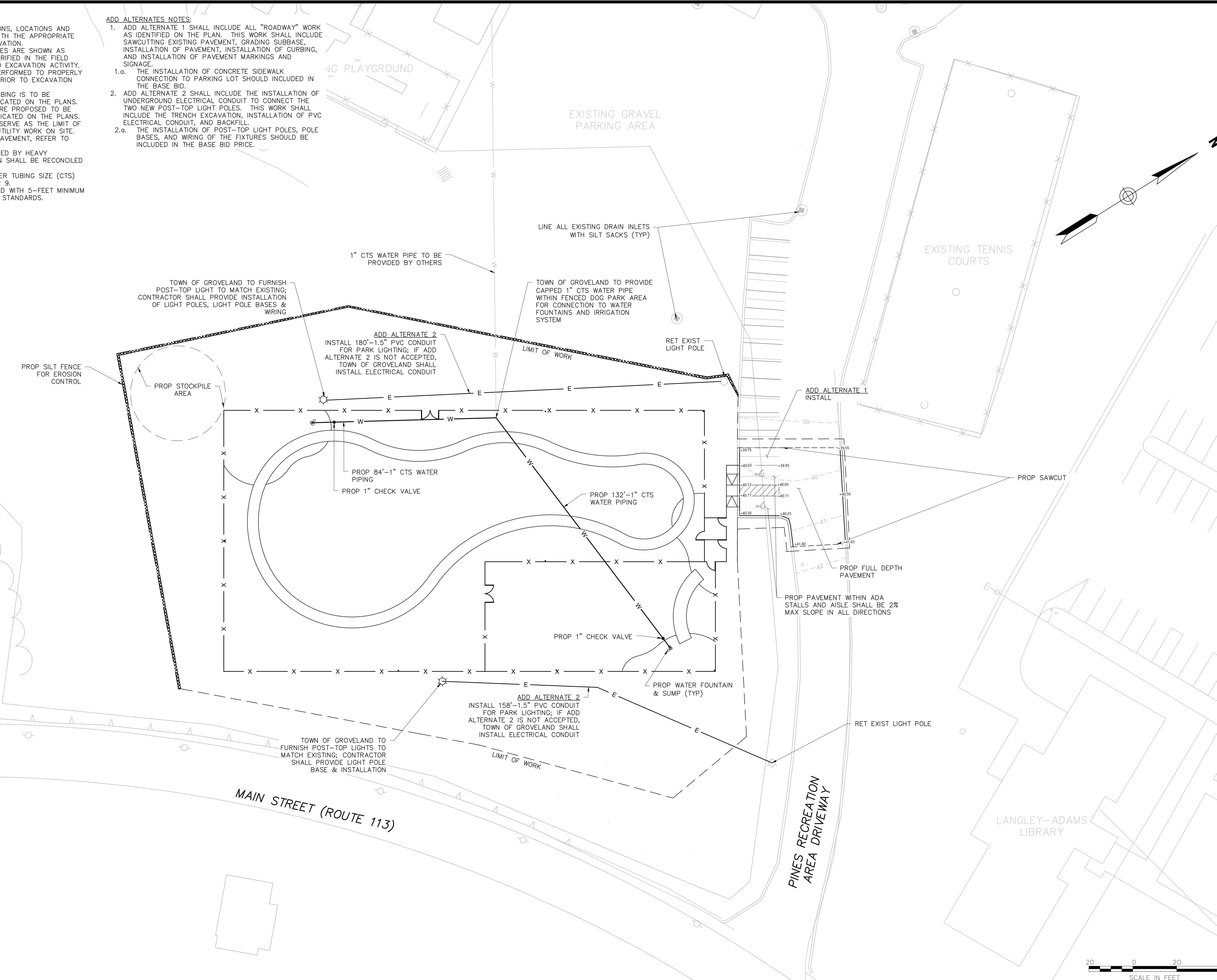
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L-1

- NOTES:**
1. ALL PROPOSED UTILITY CONNECTIONS, LOCATIONS AND SIZING SHALL BE COORDINATED WITH THE APPROPRIATE PROVIDER PRIOR BEGINNING EXCAVATION.
 2. LOCATION OF ALL EXISTING UTILITIES ARE SHOWN AS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD WITH KNOWN PROVIDERS PRIOR TO EXCAVATION ACTIVITY.
 3. A DIG SAFE SURVEY SHALL BE PERFORMED TO PROPERLY IDENTIFY ALL EXISTING UTILITIES PRIOR TO EXCAVATION ACTIVITY.
 4. ALL EXISTING PAVEMENT AND CURBING IS TO BE RETAINED UNLESS OTHERWISE INDICATED ON THE PLANS.
 5. ALL EXISTING UTILITIES ON SITE ARE PROPOSED TO BE RETAINED, UNLESS OTHERWISE INDICATED ON THE PLANS.
 6. THE LIMIT OF WORK SHALL ALSO SERVE AS THE LIMIT OF GRADING FOR ALL GROUND AND UTILITY WORK ON SITE.
 7. FOR GRADING BEYOND EDGE OF PAVEMENT, REFER TO LANDSCAPE SHEET L-4.
 8. ANY LANDSCAPED AREAS DISTURBED BY HEAVY MACHINERY DURING CONSTRUCTION SHALL BE RECONCILED WITH LOAM AND SEED.
 9. WATER PIPING SHALL BE 1" COPPER TUBING SIZE (CTS) HIGH-DENSITY POLYETHYLENE SDR 9.
 10. WATER PIPING SHALL BE INSTALLED WITH 5-FOOT MINIMUM COVER PER TOWN OF GROVELAND STANDARDS.

- ADD ALTERNATES NOTES:**
1. ADD ALTERNATE 1 SHALL INCLUDE ALL "ROADWAY" WORK AS IDENTIFIED ON THE PLAN. THIS WORK SHALL INCLUDE SAWCUTTING EXISTING PAVEMENT, GRADING SUBBASE, INSTALLATION OF PAVEMENT, INSTALLATION OF CURBING, AND INSTALLATION OF PAVEMENT MARKINGS AND SIGNAGE.
 - 1.a. THE INSTALLATION OF CONCRETE SIDEWALK CONNECTION TO PARKING LOT SHOULD INCLUDED IN THE BASE BID.
 2. ADD ALTERNATE 2 SHALL INCLUDE THE INSTALLATION OF UNDERGROUND ELECTRICAL CONDUIT TO CONNECT THE TWO NEW POST-TOP LIGHT POLES. THIS WORK SHALL INCLUDE THE TRENCH EXCAVATION, INSTALLATION OF PVC ELECTRICAL CONDUIT, AND BACKFILL.
 - 2.a. THE INSTALLATION OF POST-TOP LIGHT POLES, POLE BASES, AND WIRING OF THE FIXTURES SHOULD BE INCLUDED IN THE BASE BID PRICE.

3/8/2022 3:15:35 PM - P:\P2021\GROVELAND\GROVELAND DOG PARK\FILES\DOG PARK PLANS - V\MAD\DOG PARK - UT-ER.DWG - PETER ELLISON



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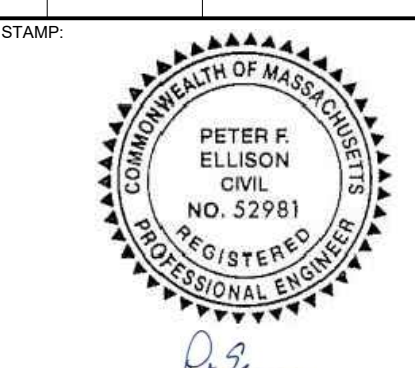
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Utility & Erosion Control Plan

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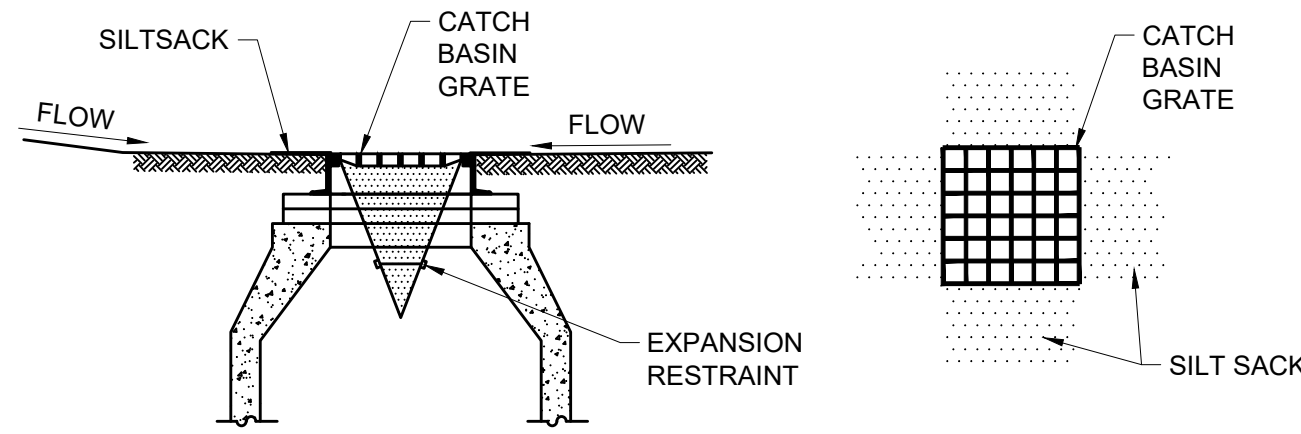
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C-1



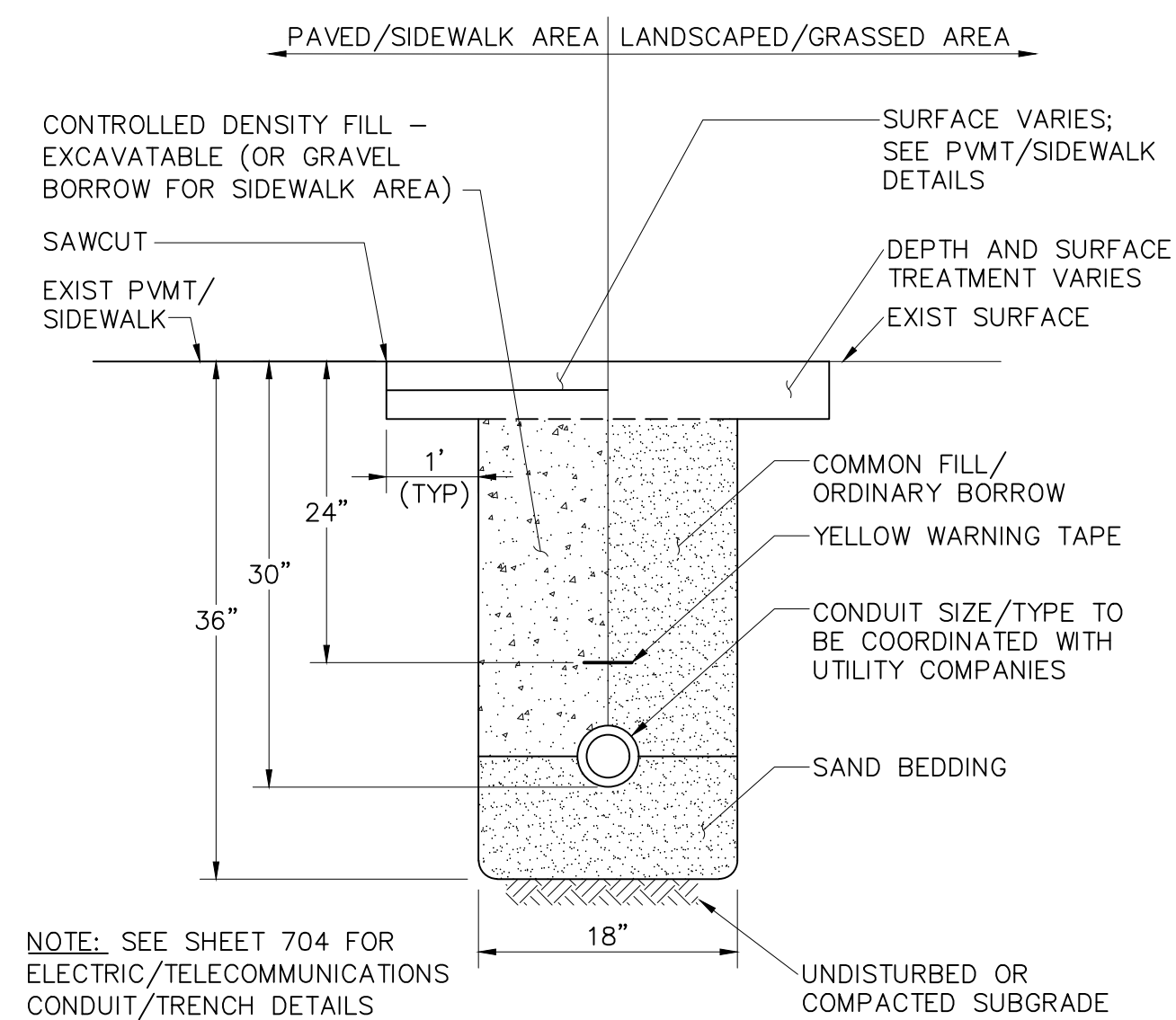


NOTES:

1. INSTALL SILT SACK IN EXISTING CATCH BASINS BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL BINDER COURSE PAVING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
2. GRATE TO BE PLACED OVER SILT SACK.
3. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

INLET PROTECTION SILT SACK IN CATCH BASIN

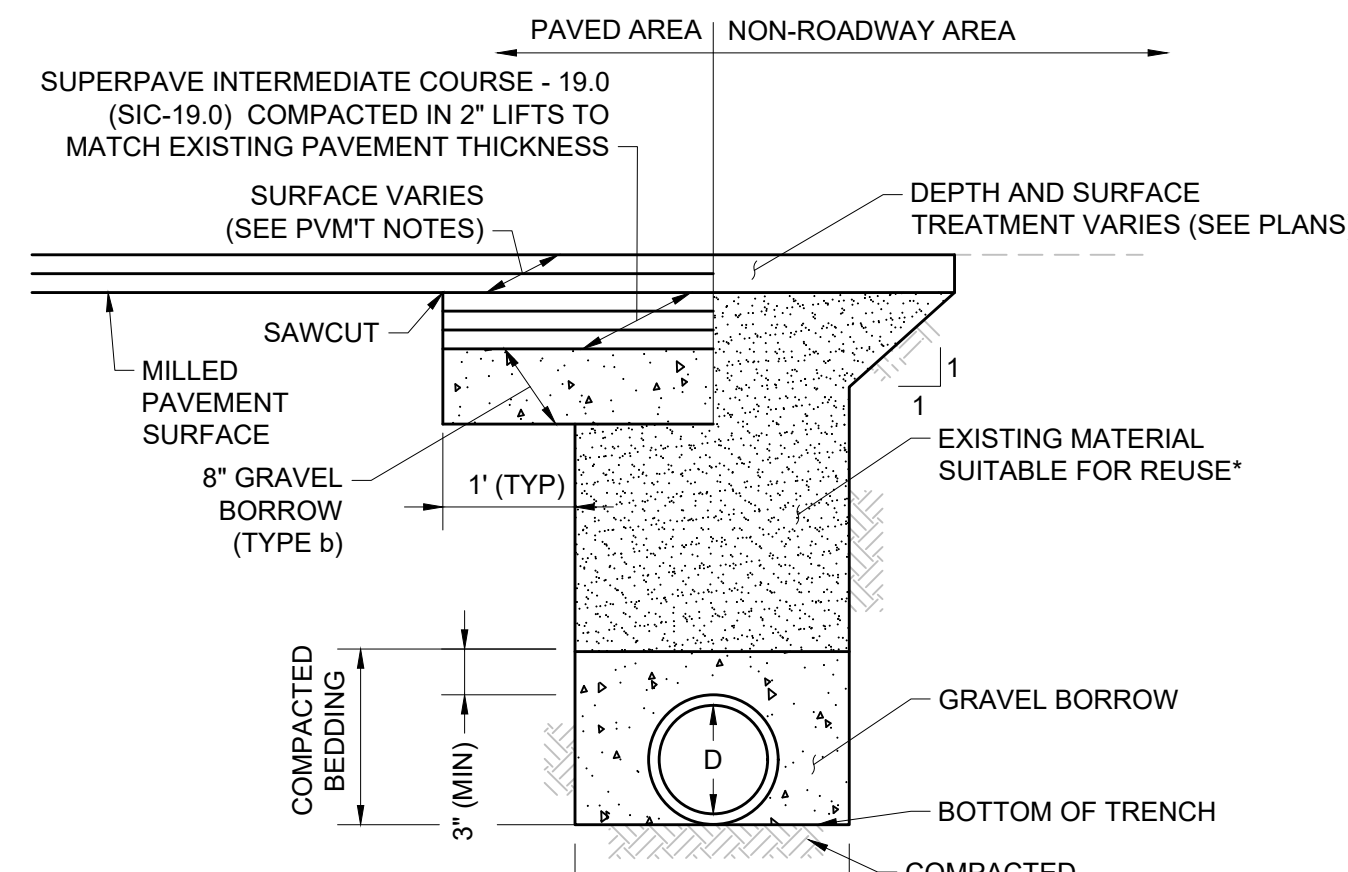
N.T.S.



NOTE: SEE SHEET 704 FOR ELECTRIC/TELECOMMUNICATIONS CONDUIT/TRENCH DETAILS

CONDUIT TRENCH DETAIL (SITE LIGHTING)

N.T.S.



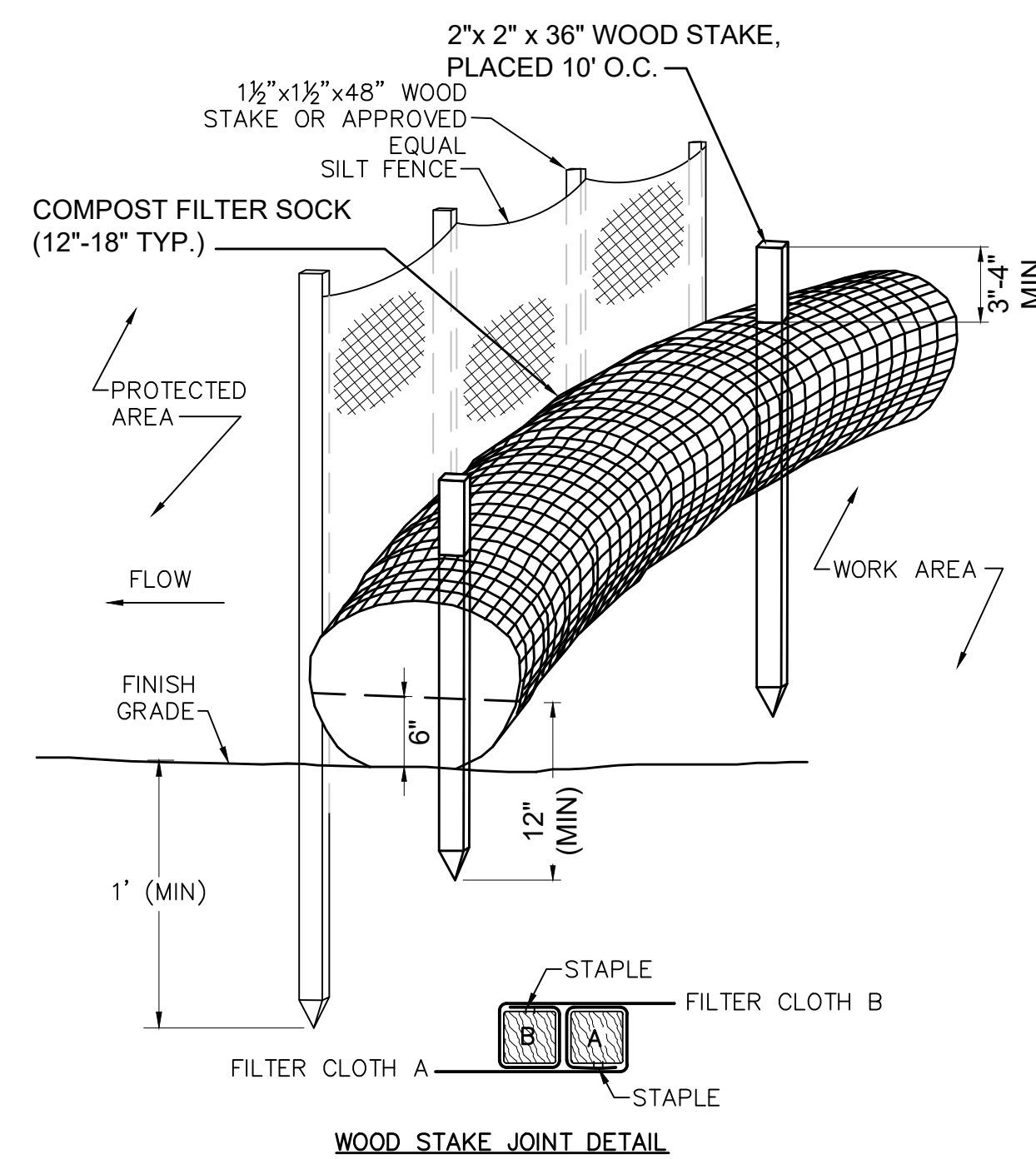
NOTES:

* EXISTING MATERIAL OBTAINED FROM EXCAVATION THAT IS DETERMINED TO BE SUITABLE, AND APPROVED BY THE ENGINEER SHALL BE USED. BACKFILL SHALL BE PLACED IN LAYERS NO MORE THAN 6" IN DEPTH AND THOROUGHLY COMPACTED. BACKFILLING TO A POINT 2" OVER THE PIPE SHALL CONTAIN NO STONES LARGER THAN 3".

**SOFT OR UNSUITABLE MATERIAL EXISTING BELOW THE REQUIRED BEDDING GRADE SHALL BE REMOVED AS DIRECTED AND REPLACED WITH SAND, GRAVEL, CRUSHED STONE OR OTHER SUITABLE MATERIAL AND THOROUGHLY COMPACTED.

UTILITY TRENCH

N.T.S.

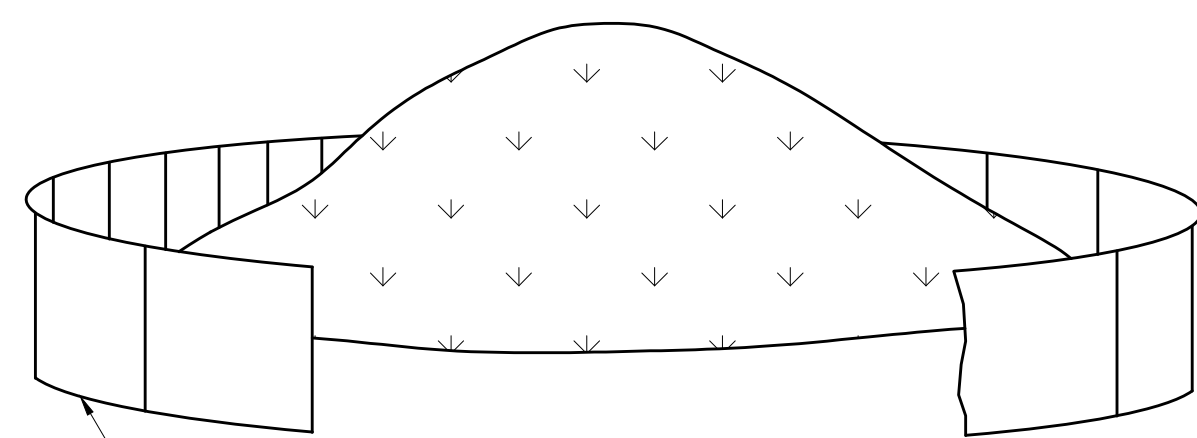


NOTES:

1. FILTER CLOTH SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES. POSTS SHALL BE SPACED 8"-10" ON CENTER.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. ENTRENCH SILT FENCE BUT NOT HAY BALES.
4. INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED, OR WHEN SEDIMENT ACCUMULATES TO HALF THE HEIGHT OF FENCING.

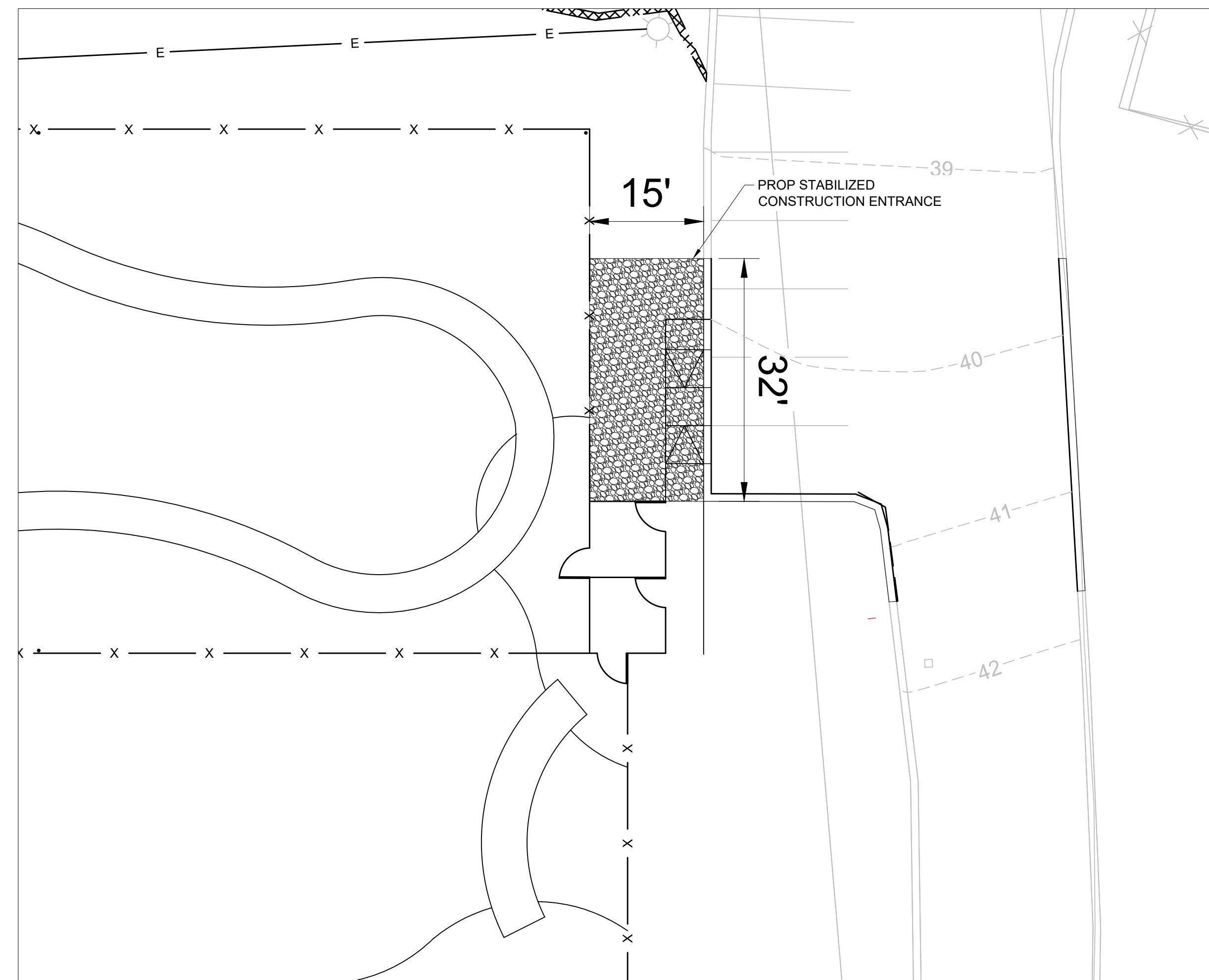
EROSION CONTROL BARRIER

N.T.S.

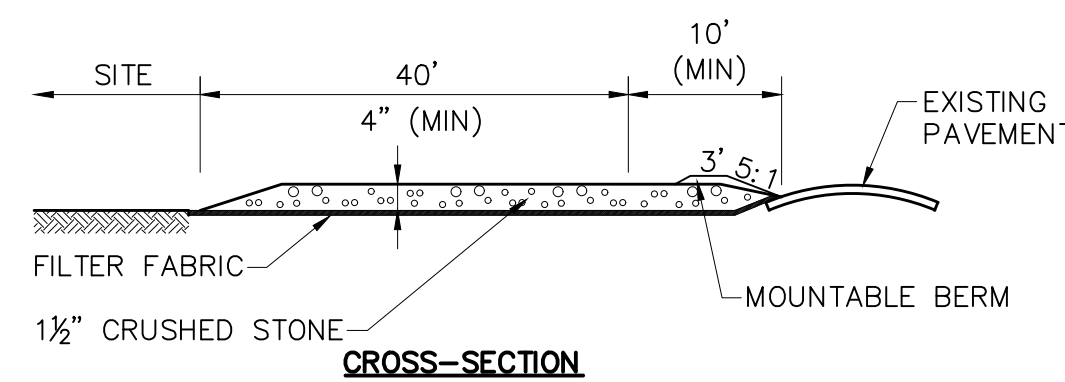


SOIL STOCKPILE

N.T.S.



1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.



STABILIZED CONSTRUCTION EXIT

N.T.S.

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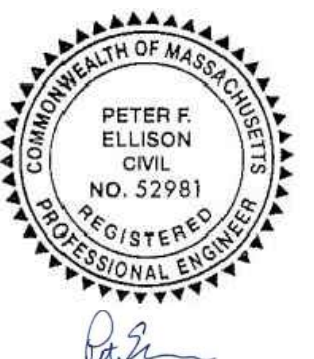
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Utility Details

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DATE: 3/9/2022

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C-2

LANDSCAPE GENERAL NOTES

- THE SITE PLAN IS BASED ON EXISTING CONDITIONS INFORMATION PROVIDED BY GROVELAND TOWNSHIP. COPLEY WOLFF DESIGN GROUP IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION.
- CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES BEFORE COMMENCING NEW CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL OTHER TRADES.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL AND RECORDED ON RECORD DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS.
- CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- LOCATION OF EXISTING ABOVEGROUND AND UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY AND DO NOT REPRESENT ACCURATE LOCATIONS. THE CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANIES AND DIG-SAFE TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORN BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.
- EXCAVATION ADJACENT TO EXISTING AND PROPOSED UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL PROTECT ALL EXPOSED UTILITIES.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES, EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED AT NO COST TO OWNER.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY THE FEDERAL, STATE AND LOCAL AGENCIES (SEE SPECS).
- CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH THE PROPER AUTHORITIES.
- ALL MANHOLES, DRAINAGE STRUCTURES, STEAM MANHOLES, ELECTRIC MANHOLE FRAMES AND COVERS WITHIN THE PROJECT WORK AREA SHALL BE ADJUSTED TO FINISH GRADES UNLESS OTHERWISE NOTED.

IRRIGATION NOTES

- SITE CONDITIONS TO BE CONFIRMED PRIOR TO INSTALLATION.
- ROTORS TO BE RAINBIRD, 8005 SERIES, OR APPROVED EQUAL, WITH VANDAL- AND ABUSE- RESISTANT ROTORS, 14 GALLONS PER MINUTE, 70 PSI.
- ALL ROTORS TO BE INSTALLED FLUSH WITH FINISH GRADE MATERIALS PER MANUFACTURER'S RECOMMENDATIONS.
- IRRIGATION SYSTEM CONTROLS TO INCLUDE: RAINBIRD 1" DV ELECTRIC VALVE PER ROTOR, (2) JUMBO VALVE BOXES, (1) ESP-ME3 CONTROLLER MOUNTED AT BATHROOM, (1) ESPSM6 MODULE, AND (1) WR2 SERIES WIRELESS RAIN/FREEZE SENSOR TO BE MOUNTED AT BATHROOM GUTTER OR EQUIVALENT.
- BACKFLOW PREVENTER AND METER BY TOWN. TOWN TO INSTALL BOOSTER PUMP IF NEEDED.

PLANTING SCHEDULE

Symbol	Qty	Botanical Name	Common Name	Size	Comments
Shade Trees					
AR	1	Acer rubrum 'October Glory'	Red Maple	3-3.5' cal.	B&B, Specimen
Evergreen Trees					
LL	1	Larix laricina	Tamarack Tree	4-5' ht.	B&B, Specimen

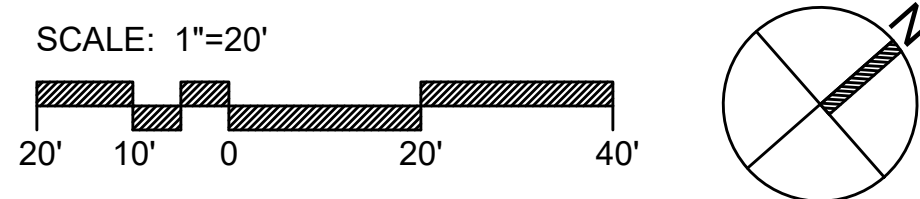
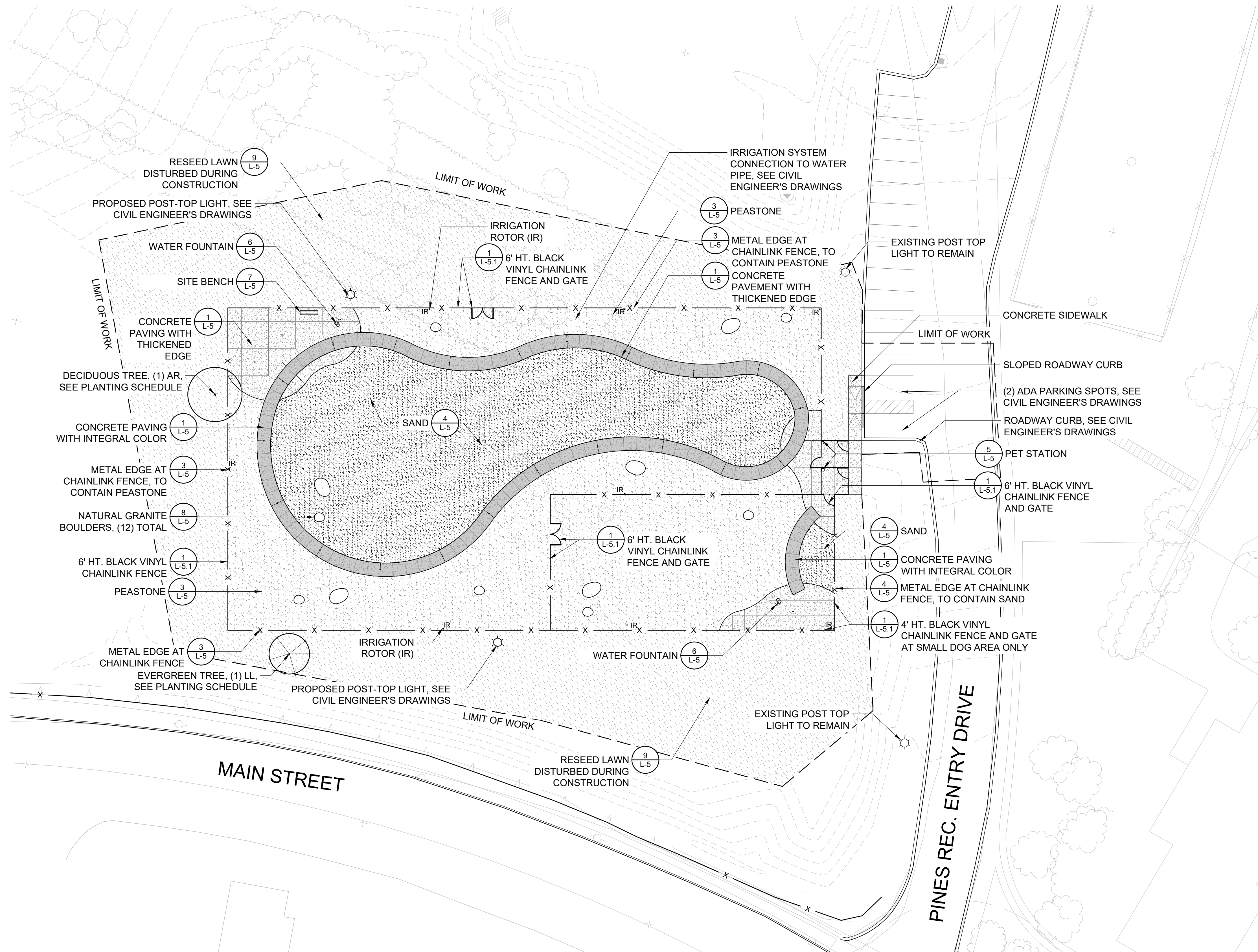
PLANTING NOTES: SEE L5.1

LANDSCAPE MATERIAL NOTES

- THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE TOTAL SCOPE OF WORK AND ALL REQUIRED COORDINATION.
- THE CONTRACTOR IS RESPONSIBLE FOR A THOROUGH SITE EXAMINATION TO SATISFY HIM OR HERSELF AS TO THE ACTUAL SITE CONDITIONS BEFORE SUBMISSION OF BIDS.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- CONTRACTOR SHALL ARRANGE PRE-INSTALLATION CONFERENCES AT PROJECT SITE FOR PAVEMENT WORK. ATTENDEES SHALL INCLUDE OWNER'S REPRESENTATIVE, GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS DIRECTLY CONCERNED WITH THE WORK.
- CONTRACTOR SHALL PREPARE SUBMITTALS TO THE OWNER'S REPRESENTATIVE FOR ALL COMPONENTS OF THE FINISHED WORK, INCLUDING SHOP DRAWINGS, PRODUCT DATA, MATERIAL CERTIFICATIONS, MIX DESIGNS AND SAMPLES.
- CONTRACTOR SHALL FURNISH AND INSTALL CONSTRUCTED SAMPLES (MOCK-UPS) DEMONSTRATING ALL COMPONENTS OF THE DESIGN, INCLUDING FINISHED EXPOSED EDGES AND SURFACES, COLORS AND JOINTING FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTING FINAL WORK. MOCK-UPS MAY BE PART OF THE FINAL CONSTRUCTION. MOCK-UPS SHALL BE MAINTAINED AND PROTECTED THROUGHOUT THE DURATION OF THE PROJECT AND WILL SERVE AS PROJECT STANDARD. CONTRACTOR SHALL DEMOLISH AND RECONSTRUCT MOCK-UP UNTIL APPROVAL FROM LANDSCAPE ARCHITECT. MOCK-UPS SHALL INCLUDE: ONE 6' X 6' PANEL OF CONCRETE PAVEMENT.
- THE DIMENSIONS OF PAVEMENT JOINTS AS SHOWN ON THE DRAWINGS ARE TO THE CENTER LINE OF EACH TYPE OF JOINT EXCEPT WHERE PAVEMENT MEETS A VERTICAL FACE; AT THIS LOCATION DIMENSIONS ARE TO THE VERTICAL FACE. THE DIMENSIONS SHOWN ON DRAWINGS SHOW DESIGN INTENT AND MUST BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS. ALL ALIGNMENTS SHALL BE INSTALLED AS SHOWN. STORAGE AREAS FOR THE GENERAL CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE LOCATED WITHIN THE LIMITS OF WORK AS APPROVED BY THE LANDSCAPE ARCHITECT.
- WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW CONSTRUCTION.
- AT ALL LOCATIONS WHERE EXISTING BITUMINOUS CONCRETE PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN SMOOTH EDGE.

MATERIALS LEGEND

EXPANSION JOINT	---	LIMIT OF WORK	☼	POST-TOP LIGHT
EXPANSION JOINT	▨	CONCRETE PAVEMENT	⊙	WATER FOUNTAIN
	▨	CONCRETE PAVEMENT WITH INTEGRAL COLOR	○	NATURAL GRANITE BOULDER (TO BE LOCATED IN FIELD BY LANDSCAPE ARCHITECT)
	▨	SAND	⊙	IRRIGATION ROTOR, SEE IRRIGATION NOTES
	▨	PEASTONE	⊙	DECIDUOUS TREE
	▨	SEEDED LAWN	⊙	EVERGREEN TREE
	---	CHAINLINK FENCE		



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MATERIALS PLAN

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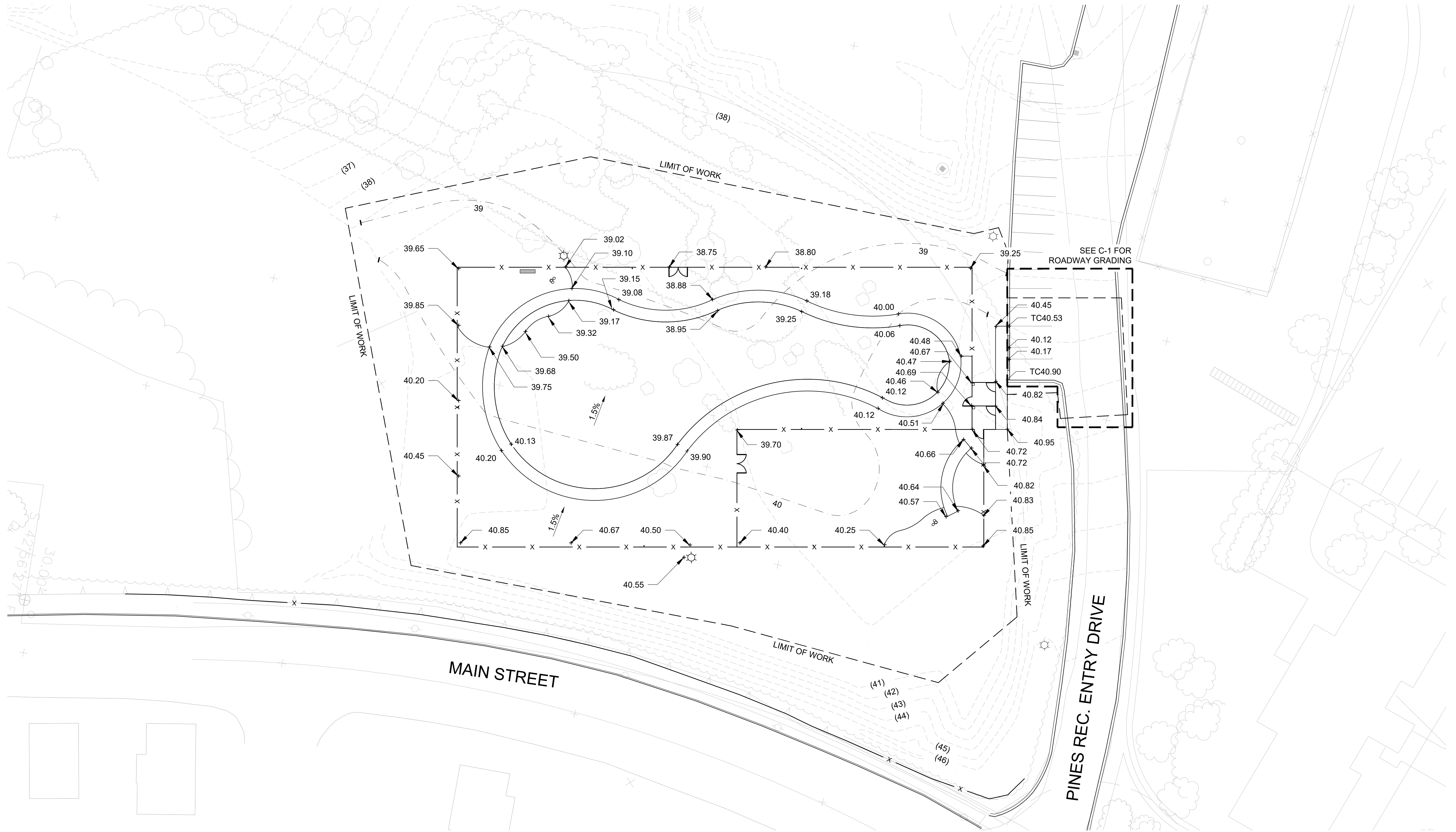
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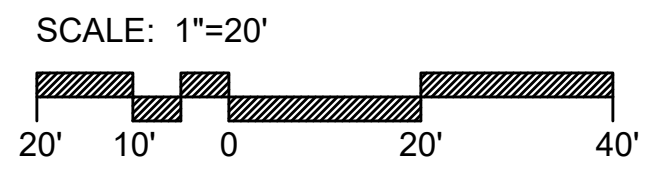


LANDSCAPE GRADING NOTES

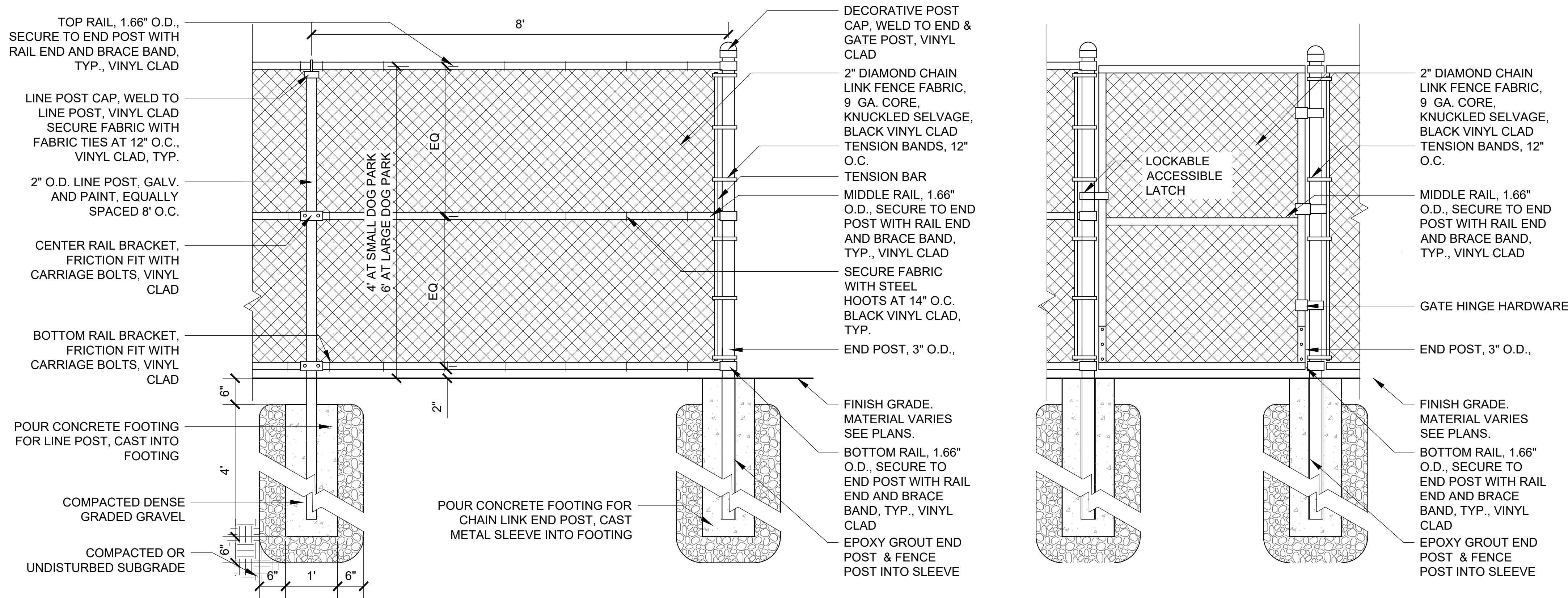
1. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVING AREAS MUST PITCH TO DRAIN AT MIN. PITCH OF 1/8" PER FOOT UNLESS OTHERWISE SHOWN. REPORT ANY DISCREPANCIES BETWEEN EXISTING AND PROPOSED SPOT GRADES THAT DO NOT PITCH ACCORDINGLY TO THE OWNER'S REPRESENTATIVE BEFORE COMMENCING WORK.
2. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING SMOOTHLY WITH NEW CONSTRUCTION.
3. EXCAVATION ADJACENT TO EXISTING AND PROPOSED UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL PROTECT ALL EXPOSED UTILITIES.
4. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED AT NO COST TO OWNER.
5. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSEES ISSUED BY THE FEDERAL, STATE AND LOCAL AGENCIES (SEE SPECS).
6. THE CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH THE PROPER AUTHORITIES.
7. MAINTAIN A MAXIMUM OF 1.8% CROSS SLOPE ON ALL PAVED SURFACES, UNLESS OTHERWISE NOTED.
8. ALL MANHOLES, DRAINAGE STRUCTURES, STEAM MANHOLES, ELECTRIC MANHOLE FRAMES AND COVERS WITHIN THE PROJECT WORK AREA SHALL BE ADJUSTED TO FINISH GRADES UNLESS OTHERWISE NOTED.

GRADING LEGEND

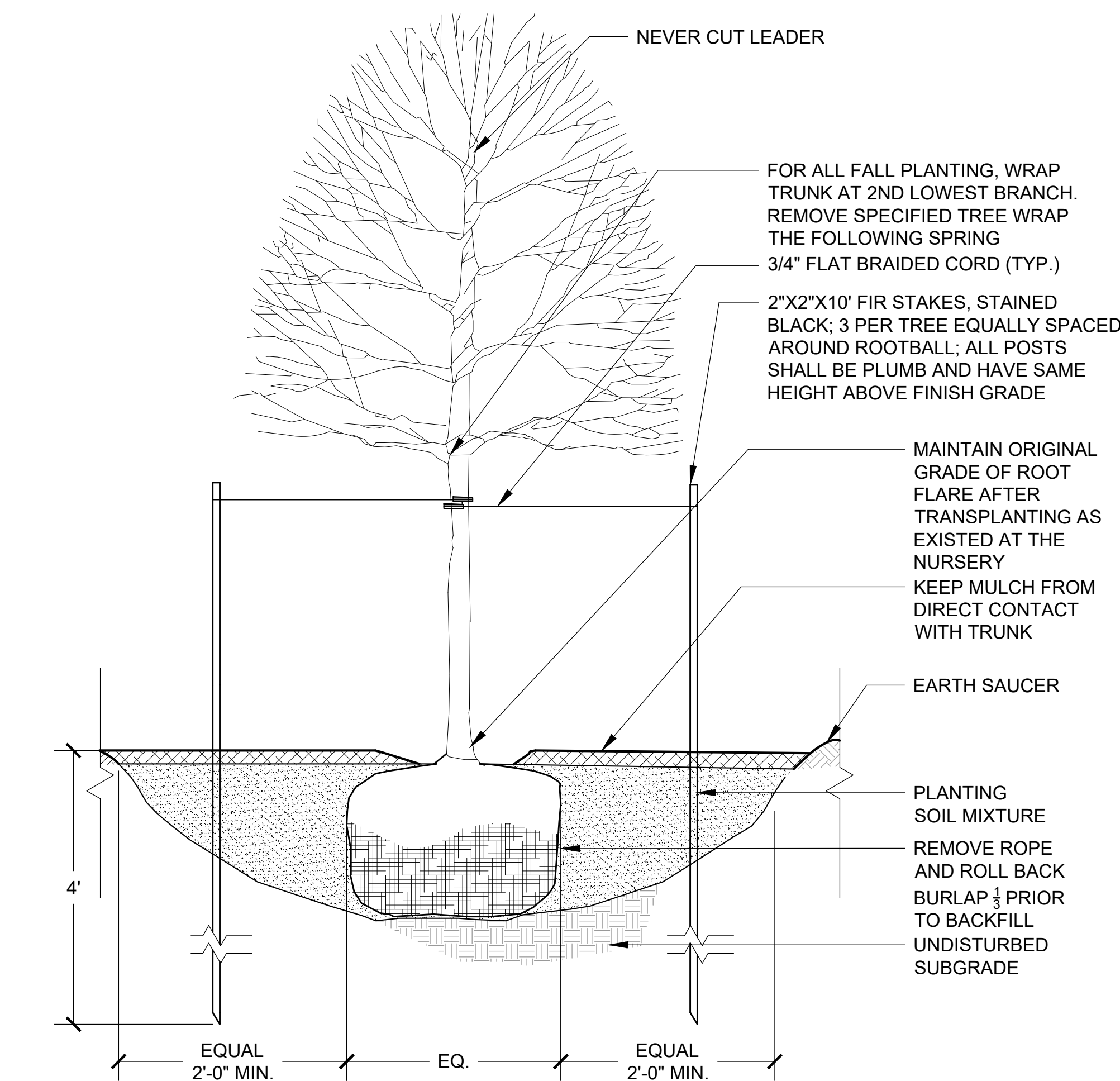
- (XX.XX) EXISTING SPOT ELEVATION
- XX.XX PROPOSED SPOT ELEVATION
- (XX.XX) EXISTING CONTOUR
- XX.XX PROPOSED CONTOUR
- TC TOP OF CURB



3/9/2022 1:57:25 PM - T:\2112 GROVELAND DOG PARK\CONSTRUCTION DRAWINGS\CURRENT CWDG DRAWINGS\PR DOG PARK PLANS.DWG - CHRISTINE WILSON



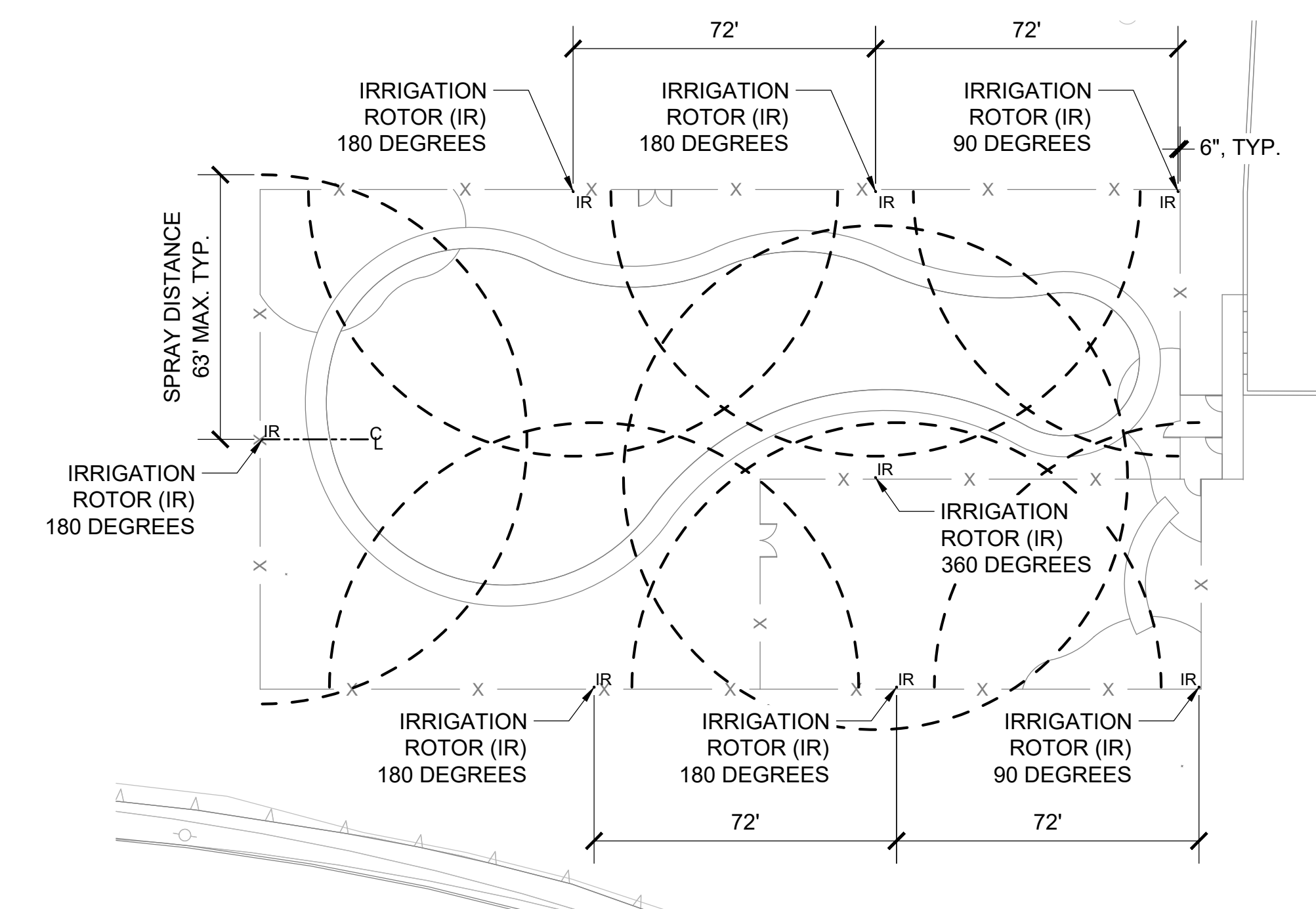
1 6' HT BLACK VINYL CLAD CHAIN LINK FENCE
SCALE: 3/4\"/>



2 TREE PLANTING
SCALE: 3/4\"/>

PLANTING AND SOIL NOTES

1. THE PLANTING LIST SHALL GOVERN NUMBER OF PLANTS.
2. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
3. OWNER'S REPRESENTATIVE SHALL ONLY REVIEW TREES THAT ARE IN THE GROUND AT THE NURSERY. NO PRE-DUG TREES WILL BE ACCEPTED. THEREFORE TIMING OF IN-GROUND REVIEWS MUST BE COORDINATED WITH EXPECTED INSTALLATION DATES. ALL NEW PLANTS TO BE BALLED & BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
4. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
5. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
6. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE.
7. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF PLANTING.
8. PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
9. ALL PLANT MATERIAL SHALL BE MAINTAINED BY CONTRACTOR UNTIL FINAL ACCEPTANCE AND GUARANTEED FOR 1 CALENDAR YEAR.
10. CONFIRM ALL QUANTITIES, GRADING PLANS, AND SPECIFICATIONS, INCLUDING SITE DISTURBANCE OUTSIDE OF THE LIMIT OF GRADING NECESSITATED TO FACILITATE CONSTRUCTION.
11. WHERE SAND AND GRAVEL ARE SPECIFIED FOR A DRAINAGE LAYER, EXTEND DRAINAGE LAYER TO ASSOCIATED DRAIN LINES, DRAINAGE AREAS, OR DAYLIGHT.
12. WHERE ONE SOIL TYPE MEETS ANOTHER SOIL TYPE, FORM A 1:1 SLOPED BOUNDARY TRANSITION.
13. SCARIFY SUBGRADE AS SPECIFIED BEFORE PLACEMENT OF ANY PLANTING SOILS. DO NOT PLACE OR HANDLE SOILS THAT ARE WET.
14. PROTECT ALL EXISTING SOILS AGAINST COMPACTION, CONTAMINATION WITH CONSTRUCTION MATERIALS, AND ALL DISTURBANCE.
15. CONTRACTOR IS RESPONSIBLE FOR ACTUAL SITE CONDITIONS, COORDINATION OF SOILS PLACEMENT, AND PLANTING SUBDRAINAGE.



3 IRRIGATION ROTOR LAYOUT
SCALE: 1\"/>

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