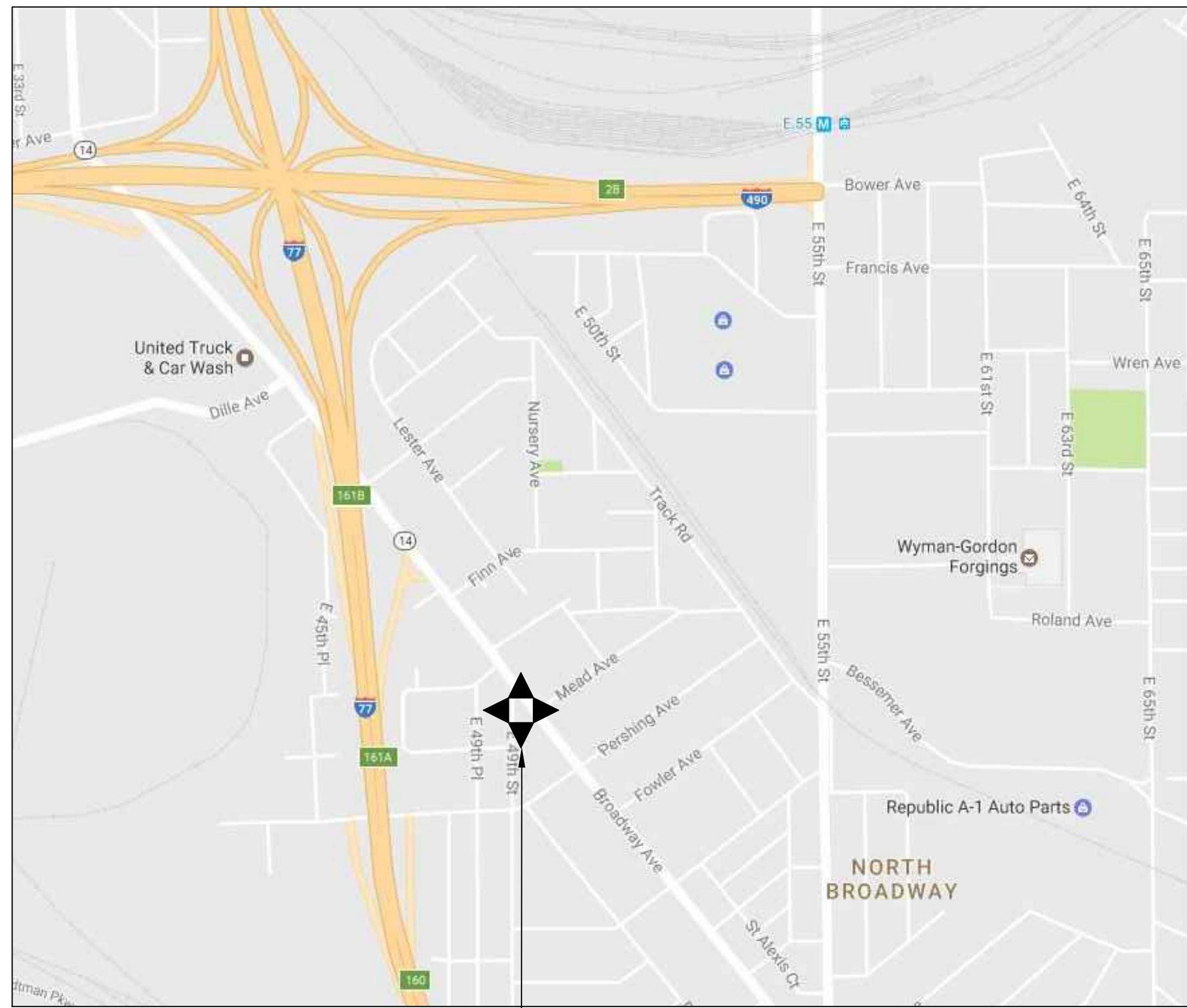


Arch Park Green Infrastructure Demonstration Project

LOCATION:
**4900 Broadway Avenue
CUYAHOGA COUNTY, OHIO**

PREPARED FOR:
**Slavic Village Development
5620 Broadway Avenue
Cleveland, OH 44127**



PROJECT
LOCATION

LOCATION MAP NTS

PROJECT DESCRIPTION

THE PROJECT IS TO CONSTRUCT A STORMWATER PARK ON XX ACRES IN THE SLAVIC VILLAGE NEIGHBORHOOD IN CLEVELAND, OH. THE WORK CONSISTS OF REMOVAL OF TREES AND FENCING, EXCAVATION AND GRADING, CONCRETE RUNNELS AND WALKWAYS, PERVIOUS CONCRETE WALKWAYS, BOARDWALK STRUCTURE, PARK SIGNAGE AND INTERPRETIVE SIGNS, SEEDING, AND LANDSCAPING.

2016 ODOT SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, (ODOT) INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT, EXCEPT AS NOTED IN THIS SET OF DRAWINGS, AND WITHIN THE CONTRACT AND SPECIFICATION BOOK.

DRAWING LIST

G000 INDEX SHEET
G100 GENERAL NOTES
G101 GENERAL NOTES
G200 TABULATION

R000 SITE SURVEY
D000 DEMOLITION PLAN
L100 SITE LAYOUT PLAN
L101 GRADING PLAN
L300 LANDSCAPE PLAN
L301 LANDSCAPE PLAN
L400 DETAILS
L401 RUNNEL DETAILS
L402 BASIN DETAILS
L403 SIGN DETAILS
L404 PLANTING DETAILS
L405 PLAY MOUND DETAILS
L406 CONSTRUCTION DETAILS

ABBREVIATIONS:

APPROX.	APPROXIMATE
BLDG.	BUILDING
CB	CATCH BASIN
CMS	SPECIFICATIONS
CONC.	CONCRETE
DEC.	DECIDUOUS
DIA.	DIAMETER
EVE.	EVERGREEN
INV.	INVERT
LBS	POUNDS
I.P.F.	IRON PIN FOUND
MH	MANHOLE
NTS	NOT TO SCALE
O.C.	ON CENTER
SAN.	SANITARY
SEW.	SEWER
TYP.	TYPICAL

PLANS PREPARED BY:

AECOM
1300 E. 9th Street, Suite 500
Cleveland, OH 44114
216.622.2300 tel 216.622.2301 fax
www.aecom.com

contact: Tom Evans, PLA, ASLA



Know what's below.
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REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION
	4/13/2017	BID SET
	3/3/2017	90% OWNER REVIEW
	1/24/2017	60% OWNER REVIEW
	12/8/2016	30% OWNER REVIEW

PROJECT NUMBER

60520994

SHEET TITLE

INDEX SHEET

SHEET NUMBER

G000

GENERAL NOTES:

PROJECT INFORMATION

PROJECT NAME: ARCH PARK

PROJECT LOCATION: 5620 BROADWAY AVENUE
CLEVELAND, OHIO 44127

***** THE SITE IS LOCATED AT THE CORNER OF THE BROADWAY AND EAST 49TH STREET INTERSECTION. ***

OWNER NAME: SLAVIC VILLAGE DEVELOPMENT
OWNER ADDRESS: 5620 BROADWAY AVENUE
CLEVELAND, OHIO 44127

PROJECT DESCRIPTION: THIS PROJECT CONSISTS OF PRELIMINARY PREPARATION OF THE SITE AND CONSTRUCTION OF HARDSCAPE AND LANDSCAPE ELEMENTS. IT INCLUDES THE FOLLOWING STEPS:

1. ERECTION OF CONSTRUCTION FENCING
2. INSTALLATION OF TREE PROTECTION MEASURES
3. REMOVAL OF SPECIFIED TREES
4. SOIL PREPARATION
5. CONSTRUCTION OF OVERLOOK PLAZA AND ASSOCIATED HARDSCAPE ELEMENTS
6. INSTALLATION OF LANDSCAPE PLANTING

CONTRACT COORDINATION & PHASING:

PERFORMANCE OF THIS CONTRACT WILL REQUIRE THE CONTRACTOR TO COORDINATE ALL ACTIVITY WITH THE OWNER, SLAVIC VILLAGE DEVELOPMENT (SVD).

INDEMNIFICATION

THE CONTRACTOR WILL INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ENGINEER, AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIMS, DAMAGES, LOSS, OR EXPENSE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OF DEATH, OR INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY, INCLUDING THE LOSS OF USE RESULTING THEREFROM, AND IS CAUSED IN WHOLE OR PART BY ANY NEGLIGENT OR WILLFUL ACT OR OMISSION OF THE CONTRACTOR, AND SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM MAY BE LIABLE.

IN ANY AND ALL CLAIMS AGAINST THE OWNER, THE ENGINEER, OR ANY OF THEIR AGENTS OR EMPLOYEES, BY ANY EMPLOYEE OF THE CONTRACTOR, ANY SUBCONTRACTOR, ANYONE FOR WHO ACTS ANY OF THEM MAY BE LIABLE, THE INDEMNIFICATION OBLIGATION SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION, OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR OR ANY SUBCONTRACTOR UNDER WORKERS COMPENSATION ACTS, DISABILITY BENEFIT ACTS, OR OTHER EMPLOYEE BENEFITS ACTS.

THE OBLIGATIONS OF THE CONTRACTOR UNDER THIS PARAGRAPH SHALL NOT EXTEND TO THE LIABILITY OF THE ENGINEER, HIS/HER AGENTS OF EMPLOYEES ARISING OUT OF THE PREPARATION OR APPROVAL OF MAPS, PLANS, OPINIONS, REPORTS, SURVEYS, CHANGE ORDERS, DESIGNS, OR SPECIFICATIONS.

INCLUSIVE BID

THE CONTRACTOR'S BID SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT. COMPENSATION FOR ANY OTHER WORK WHICH DOES NOT HAVE A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE PRICE OF THE INDIVIDUAL ITEMS IN THE BID. CONTRACTORS ARE ENCOURAGED TO PROVIDE NOTES AS TO WHERE ADDITIONAL COSTS ARE INCLUDED IN A LINE ITEM.

OSHA

COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 IS REQUIRED OF THE CONTRACTOR AND SUBCONTRACTORS ON THE PROJECT.

DRAWING/ SPECIFICATION DISCREPANCY

IN THE EVENT OF A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS OR AMONG DRAWINGS, THE STRONGEST, THE LARGER QUANTITY, OR THE BETTER QUALITY AS DETERMINED BY THE OWNER'S ARCHITECT SHALL GOVERN.

SPECIFICATIONS

THE STATE OF OHIO DEPT. OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS 2016 EDITION, INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THE PLAN UNLESS OTHERWISE NOTED.

EXISTING CONDITIONS AND SURVEY

AN EXISTING CONDITIONS PLAN IS PROVIDED IN THESE DOCUMENTS FOR THE CONTRACTOR'S REFERENCE. THE CONTENTS ARE BASED ON A SURVEY COMPLETED BY AECOM IN OCTOBER 2016. A COPY OF THE ORIGINAL SITE SURVEY IS AVAILABLE UPON REQUEST.

REVIEW OF PROJECT SITE

PRIOR TO BIDDING, THE CONTRACTOR SHALL, BY PERSONAL EXAMINATION, SATISFY HIMSELF/HERSELF AS TO THE LOCATION OF THE PROPOSED WORK AND TO ACQUAINT HIMSELF/HERSELF THOROUGHLY WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT ARE LIKELY TO BE ENCOUNTERED IN THE PERFORMANCE OF THE PROPOSED WORK.

CONTRACTOR ACKNOWLEDGEMENT

BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT HE/SHE HAS SATISFIED HIMSELF/HERSELF AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING UPON THE HANDLING OF MATERIALS, AVAILABILITY OF LABOR AND NECESSARY UTILITIES, THE UNCERTAINTIES OF WEATHER, GROUNDWATER TABLE OR SIMILAR CONDITIONS AT THE SITE, THE CONFORMATION AND CONDITIONS OF THE SOILS AND GROUND SURFACE, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRIOR TO AND DURING THE EXECUTION OF THE WORK, AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK OR COST THEREOF UNDER THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO ACQUAINT HIMSELF/HERSELF WITH THE AVAILABLE INFORMATION CONCERNING THE CONDITIONS WILL NOT RELIEVE HIM/HER FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.

PERMITS

ALL NECESSARY PERMITS, INCLUDING WORK IN THE STATE OF OHIO RIGHT-OF-WAY AND COUNTY ROADWAYS, SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.

MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL TAKE ADEQUATE PROVISIONS (I.E. TEMPORARY WALKS, DETOURS, ETC.) FOR THE SAFETY OF PEDESTRIANS AND VEHICULAR TRAFFIC AT THE EDGES OF THE CONSTRUCTION ZONE. PROPER SIGNAGE AND DIRECTION OF TRAFFIC AT CONSTRUCTION ACCESS SHALL BE PROVIDE BY THE CONTRACTOR OR AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL BE REQUIRED TO POST SIGNS IN ALL AREAS AFFECTED BY THE INTERRUPTION OF TRAFFIC, IN SUFFICIENT NUMBERS AND WITH APPROPRIATE MESSAGES TO WARN MOTORISTS ENTERING THE CONSTRUCTION ZONE AND TO ALLEVIATE CONFLICTS AND CONFUSION AMONG MOTORISTS OR PEDESTRIANS AT INTERSECTIONS, CROSSINGS, TURNS, AND OTHER OBSTRUCTIONS TO NORMAL TRAFFIC FLOW.

CONSTRUCTION WARNING DEVICES

ANY CONSTRUCTION EQUIPMENT OR EXCAVATIONS NEAR LOCAL ROADS MUST BE MARKED WITH LIGHTS, REFLECTORS OR OTHER SUITABLE DEVICES.

CONSTRUCTION ACCESS ROUTES

MEASURES SHALL BE TAKEN TO PREVENT SOIL, MUD, AND DEBRIS FROM BEING TRANSPORTED ONTO PUBLIC ROADS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENT BY VEHICLES AND EQUIPMENT IS ELIMINATED. CONTRACTOR SHALL LIMIT CONSTRUCTION ACCESS, TRAFFIC, STAGING, AND LAY DOWN TO THE AREAS INDICATED IN THESE PLANS.

CONSTRUCTION FENCE

FENCES SHALL BE ERECTED PRIOR TO COMMENCING WORK AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. FENCES SHALL BE REMOVED AT THE REQUEST OF THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE PROJECT.

CONSTRUCTION DOCUMENTS

THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS ON SITE.

PROJECT DOCUMENTS MODIFICATION/CHANGES

ANY MODIFICATIONS OR CHANGES TO WORK THAT VARY FROM THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.

IRON PINS AND MONUMENTS

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS AND MONUMENTS FOUND BEFORE EXCAVATING AT OR NEAR THEM. COPIES OF REFERENCE DOCUMENTATION SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE. IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR AT THE COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.

DISTURBANCE OF EXISTING FEATURES

CONSTRUCTION MUST NOT DAMAGE SITE FEATURES WITHIN OR BEYOND THE PROJECT AREA THAT ARE SLATED TO REMAIN. IF DAMAGE OCCURS TO ANY SUCH FEATURES, IT WILL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE THOSE DAMAGED ELEMENTS TO THEIR PRE-CONSTRUCTION CONDITION.

IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR ANY DESTRUCTION OR DAMAGE TO AN EXISTING UTILITY

ALL DISTURBED PUBLIC AND PRIVATE ASPHALT, BERM, CONCRETE, AND GRAVEL PAVEMENT AREAS LOCATED OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE PROPERLY REPAIRED OR REPLACED BY THE CONTRACTOR. THE CONTRACTOR SHALL PAY ALL COSTS.

TRAFFIC SIGNS

NOT ALL EXISTING TRAFFIC SIGNS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS TO RESTORE TO THE ORIGINAL LOCATION AND CONDITION ALL SIGNS DISTURBED DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER AND/OR CITY.

WATER SUPPLY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS WITH THE CLIENT AND/OR CITY FOR A TEMPORARY WATER SUPPLY TO BE USED FOR VEHICLE WASH OFF, DUST CONTROL, TEMPORARY IRRIGATION, ETC. THE CONTRACTOR SHALL PAY ALL COST.

SURFACE DRAINAGE

COTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE.

DUST CONTROL/STREET MAINTENANCE

ALL PAVED AND NON-PAVED AREAS SUBJECT TO DUST GENERATION SHALL BE WETTED DOWN WITH WATER TO CONTROL DUST AS REQUIRED.

CONSTRUCTION EQUIPMENT WITH EMISSIONS CONTROL

ALL MOTORIZED CONSTRUCTION EQUIPMENT SHALL BE EQUIPPED WITH PROPER EMISSIONS CONTROL DEVICES AND INTAKE SILENCERS IN ACCORDANCE WITH FEDERAL SAFETY STANDARDS TO REDUCE EXCESSIVE NOISE.

PERIODICALLY CHECK EQUIPMENT AND MACHINERY FOR PROPER TUNING TO MINIMIZE EXHAUST EMISSIONS AND NOISE.

CONSTRUCTION DEBRIS

THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM THEIR OPERATION AND DISPOSE OF THEM OFF-SITE OR AS DIRECTED BY THESE DOCUMENTS. CONTRACTOR SHALL STABILIZE AND RESTORE ALL EXPOSED TOPSOIL AND RESTORE SURFACES, STRUCTURES, AND PROPERTY DAMAGED DURING THESE OPERATIONS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S ENGINEER. CONTRACTOR TO BE RESPONSIBLE FOR PROPER OFF-SITE DISPOSAL PER APPLICABLE REGULATIONS.

SURFACE DRAINAGE

COTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE.

DUST CONTROL/STREET MAINTENANCE

ALL PAVED AND NON-PAVED AREAS SUBJECT TO DUST GENERATION SHALL BE WETTED DOWN WITH WATER TO CONTROL DUST AS REQUIRED.

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PERIODICALLY CHECK EQUIPMENT AND MACHINERY FOR PROPER TUNING TO MINIMIZE EXHAUST EMISSIONS AND NOISE.

PRECONSTRUCTION MEETING

THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION MEETING WITH THE OWNER AND LANDSCAPE ARCHITECT TO REVIEW SCOPE AND CLARIFY CONSTRUCTION PROCEDURES.

COMMENCEMENT OF WORK

NO WORK SHALL COMMENCE PRIOR TO THE ACTUAL CONSTRUCTION START DATE AND RECEIPT OF ALL THE REQUIRED PERMITS.

THE CONTRACTOR WILL NOTIFY THE OWNER SEVENTY-TWO (72) HOURS PRIOR TO BEGINNING ACTUAL CONSTRUCTION. CONSTRUCTION SHALL COMMENCE IMMEDIATELY UPON AUTHORIZATION TO PROCEED.

EROSION CONTROL

IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND INCLUSIVE TO THE OVERALL PROJECT BID TO PROVIDE ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THAT NO TURBID DISCHARGE IS RELEASED FROM THE SITE PER THE SWPPP PLANS AND NOTES. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR ALL COMPLIANCE ACTIVITIES FOR ALL AREAS OUTSIDE OF THE DESIGNED CONSTRUCTION SITE. THESE AREAS INCLUDE LOCATIONS WHERE SOILS ARE STOCKPILED, EXCAVATED FOR THE PURPOSE OF FILL, OR DISPOSED OF AS FILL OUTSIDE OF THE WORK LIMITS.

CONSTRUCTION AND STAGING

THE CONTRACTOR SHALL LIMIT PARKING AND STAGING TO AREAS OUTSIDE THE TREE PROTECTION AREA ZONE AND AT LEAST 5' OUTSIDE THE DRIP LINE OF ALL EXISTING TREES TO REMAIN. CONSTRUCTION ACCESS AND STAGING SHALL BE LOCATED A MINIMUM 5' FROM ANY EXISTING SIDEWALK OR ROADWAY.

INSTALL ALL SAFETY BARRICADES, COVER HOLES, AND PROVIDE TEMPORARY SAFETY RAILS AS REQUIRED BY CODE AND IN ACCORDANCE WITH OHIO HEALTHCARE REQUIREMENTS.

CONTRACTOR IS TO PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, AND OBSTRUCTIONS IN THE STREETS OR SIDEWALKS.

CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ROADS OR OTHER FACILITIES ON THE OWNER'S PROPERTY RESULTING FROM HAULING, STORAGE OF THEIR MATERIALS, OR OTHER ACTIVITIES IN CONNECTION WITH THEIR WORK. CONTRACTOR SHALL REPAIR, OR HAVE REPAIRED OR REPLACE THE DAMAGED AREAS AT NO EXPENSE TO THE OWNER. REPAIRS OR REPLACEMENTS SHALL BE MADE TO THE SATISFACTION OF THE OWNER.

CONFINE ALL OPERATIONS TO THE AREAS WITHIN THE CONSTRUCTION FENCE LINES SHOWN ON THE DRAWINGS. IF IT IS NECESSARY TO USE PORTIONS OF THE SITE BEYOND THESE LIMITS, OBTAIN WRITTEN PERMISSION IN WRITING FROM THE OWNER AND/OR CITY.

CONSTRUCTION SURVEY AND STAKING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION.

CONTRACTOR TO PROVIDE ALL EQUIPMENT AND LABOR TO PERFORM HORIZONTAL CONTROL OF THE WORK DURING CONSTRUCTION. STAKING SHALL BE COMPLETED BY AN OHIO LICENSED SURVEYOR. INSTALL STAKING TO SET UP PROJECT REFERENCE STATIONING AND COORDINATES AS PER PLAN. INSTALL STAKING DEFINING WORK AREAS AS DESIGNATED ON PLAN. WORK AREA STAKING TO BE COLOR CODED OR LABELED FOR THE TYPE OF WORK SPECIFIED. ALL STAKING FOR LAYOUT IS TO BE APPROVED BY PROJECT ENGINEER AND OWNER PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ALL GRADES, LINES AND LEVELS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS, AND HE/SHE SHALL REPORT ANY ERRORS OR INCONSISTENCIES IN THE ABOVE TO ENGINEER BEFORE COMMENCING WORK OR ORDERING ANY MATERIAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL STAKES AND MARKS AND SHALL REPLACE THEM AT HIS EXPENSE IF THEY ARE DAMAGED, LOST, DISPLACED OR REMOVED. THE CONTRACTOR SHALL USE COMPETENT PERSONNEL AND SUITABLE EQUIPMENT FOR THE LAYOUT WORK REQUIRED AND SHALL PROVIDE THAT IT IS DONE UNDER THE SUPERVISION OF A REGISTERED SURVEYOR.

ALL STAKED ITEMS MUST BE REVIEWED WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

CLEARING AND GRUBBING

CLEARING OR GRUBBING SHALL OCCUR ONLY IN AREAS OUTSIDE THE TREE PROTECTION FENCE. IN AREAS LOCATED WITHIN THE DRIP LINE OF TREES AND INSIDE THE TREE PROTECTION AREA, SELECTIVE VEGETATION REMOVAL MAY OCCUR UNDER THE SUPERVISION OF A CERTIFIED ARBORIST; NO CLEARING AND GRUBBING SHALL OCCUR IN THESE AREAS.

QUALITY OF CONSTRUCTION

ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITHOUT ANY EXTRA COST TO THE OWNER.

PROHIBITED CONSTRUCTION ACTIVITIES:

1. VEHICLE ACCESS IS PROHIBITED ON SITE UNTIL TREE PROTECTION IS IN PLACE.
2. LIMIT VEHICLE ACCESS AND STOCKPILING TO AREAS DESIGNATED ON PLANS.
3. NO ACCESS OF ANY KIND IS PERMITTED IN HABITAT OR TREE PROTECTION ZONES WITH THE EXCEPTION OF NECESSARY OPERATIONS TO REMOVE SPECIFIED TREES.
4. USE OF ANY SUBSTANCES OTHER THAN WATER FOR DUST CONTROL IS PROHIBITED.
5. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT IS PROHIBITED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT OR DISPOSING OF THE TREES AND STUMPS.
6. DISCHARGING POLLUTANTS-SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR ALONGSIDE RIVERS, STREAMS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO IS PROHIBITED.
7. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED BY THE ENGINEER FOR SAID PURPOSES IS PROHIBITED.
8. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IS PROHIBITED.
9. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA IS PROHIBITED. CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH DAMAGE.
10. DISPOSAL OF VEGETATION OR DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS IS PROHIBITED.

AECOM

PROJECT

ARCH PARK

CLIENT

SLAVIC VILLAGE DEVELOPMENT

5620 BROADWAY AVE #200
CLEVELAND, OH 44127

CONSULTANT

AECOM
1300 E. 9TH STREET, SUITE 500
CLEVELAND, OH 44114
216.622.2300 tel 216.622.2301 fax
www.aecom.com

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PROJECT NUMBER

60520994

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

G100

Approved: _____

Checked: _____

Designer: _____

Project Management Initials: _____

Last saved by: CHRISTA RADOSAVLJEVIC(2017.07.11) Last Printed: 2017.07.11
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GENERAL NOTES:

ITEM 203, EXCAVATION

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO PERFORM EXCAVATION AS PER PLAN, AND AS PER ITEM 203. THIS ITEM INCLUDES EXCAVATION, EMBANKMENT, ON SITE MOUNDS, GRADING, AND HAUL AWAY OF ANY EXCESS SOIL.

PAYMENT FOR THE ABOVE WILL BE MADE PER SQUARE FOOT AT THE CONTRACT PRICE ITEM 203, EXCAVATION.

ITEM 608, PERVIOUS CONCRETE WALKS

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL PERVIOUS CONCRETE WALKS AS PER PLAN, AND AS PER APPLICABLE SECTIONS OF ITEM 608. THIS ITEM INCLUDES PERVIOUS CONCRETE, WELDED WIRE MESH, FILTER FABRIC, AND #57 GRAVEL STONE BASE. ALL PERVIOUS CONCRETE CONSTRUCTION SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED PERVIOUS CONCRETE INSTALLER AS CERTIFIED BY OHIO READY MIX CONCRETE ASSOCIATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER SQUARE FOOT AT THE CONTRACT PRICE ITEM 608, PERVIOUS CONCRETE WALKS.

ITEM 659, SEEDING

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL LOW MOW GRASS SEED AS PER PLAN, AND AS PER APPLICABLE SECTIONS OF ITEM 659. THIS ITEM INCLUDES PREPARATION, PLANTING AND WATERING OF SEEDED AREAS UNTIL A SATISFACTORY COVERAGE IS ACHIEVED AS DEFINED BELOW.

SEED MIX SHALL BE:
LOW MOW LAWN SEED MIX
PRAIRIE NURSERY
P.O. BOX 306 WESTFIELD, WI 53964
800-476-9453
PRAIRIENURSERY.COM

SEEDING SHALL BE IN ACCORDANCE WITH PRAIRIE NURSERY'S SEEDING INSTRUCTIONS AND ESTABLISHMENT MAINTENANCE SHALL FOLLOW THEIR RECOMMENDATIONS AS WELL. SUBMIT SEED MIX DOCUMENTATION.

SATISFACTORY COVERAGE SHALL BE 90% COVERAGE WITH BARE SPOTS OF NO MORE THAN 5"X5".

CONTRACTOR SHALL PROVIDE ESTABLISHMENT CARE FOR SEEDED AREAS IN ACCORDANCE WITH ITEM 659 AND 661 ESTABLISHMENT MAINTENANCE.

PAYMENT FOR THE ABOVE WILL BE MADE PER SQUARE FOOT AT THE CONTRACT PRICE ITEM 659, SEEDING.

ITEM 661 PLANT ESTABLISHMENT MAINTENANCE

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO MAINTAIN THE SITE PLANTINGS, INCLUDING GRASS FOR AN ESTABLISHMENT PERIOD OF 2 YEARS. DURING SUCH TIME, CONTRACTOR SHALL PROVIDE MAINTENANCE SERVICES AS DEFINED IN ITEM 661 INCLUDING, BUT NOT LIMITED TO, WEEDING, WATERING, FERTILIZING, MULCHING, PRUNING, TRIMMING ETC. CONTRACTOR SHALL MONITOR SITE CONDITIONS AND WEED AND WATER THE PLANTINGS AS REQUIRED. MOWING FOR THE LOW MOW GRASS SHALL BE ACCOMPLISHED ONCE IN JUNE AND AGAIN AT THE END OF THE YEAR AND SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SEED SUPPLIER. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING WATER SUPPLY.

CONTRACTOR SHALL PROVIDE A SCHEDULE TO THE OWNER PRIOR TO SUBSTANTIAL COMPLETION DETAILING THE ANTICIPATED MAINTENANCE ROUTINE DURING THE ESTABLISHMENT PERIOD.

ALL PLANT MATERIALS AND LAWN SHALL BE WARRANTED FOR THE PERIOD OF TWO YEARS AFTER PLANTING. REPLACE PLANTS THAT ARE MORE THAN 75% DEAD, INJURED, OR DISEASED AND REPLACE IN KIND. NEW PLANTS MAY BE SUBJECT TO A RENEWED MAINTENANCE CYCLE AS REQUIRED BY THE OWNER. RE-SEEDING AND/OR REPLACEMENT OF PLANTS IS THE FULL RESPONSIBILITY OF THE CONTRACTOR DURING THE MAINTENANCE PERIOD.

IF THE OWNER IS DISSATISFIED WITH THE CONDITION OF THE SITE PLANTINGS DURING THE MAINTENANCE PERIOD, CONTRACTOR SHALL RECTIFY CONDITIONS WITHIN 5 DAYS OF NOTIFICATION FROM THE OWNER.

CONTRACTOR IS NOT RESPONSIBLE FOR MAINTAINING THE SITE FREE FROM TRASH ONCE SUBSTANTIAL COMPLETION OCCURS.

PAYMENT FOR THE ABOVE WILL BE MADE AT A LUMP SUM AT THE CONTRACT PRICE ITEM 661 PLANT ESTABLISHMENT MAINTENANCE.

ITEM SPECIAL, TEMPORARY CONSTRUCTION SIGN

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL TEMPORARY CONSTRUCTION SIGN AS PER PLAN. THIS ITEM INCLUDES SIGN, POSTS, AND INSTALLATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, TEMPORARY CONSTRUCTION SIGN.

ITEM SPECIAL, VERTICAL DRAIN

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL VERTICAL DRAIN AS PER PLAN. THIS ITEM INCLUDES WELL DRILLING, PIPE, JOINTS, GRAVEL FILL, AND INSTALLATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, VERTICAL DRAIN.

ITEM SPECIAL, RUNNEL A

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL RUNNEL A AS PER PLAN. THIS ITEM INCLUDES EXCAVATION, CONCRETE, TRENCH DRAIN FRAME, AND GRATE.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, RUNNEL A.

ITEM SPECIAL, RUNNEL B

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL RUNNEL B AS PER PLAN. THIS ITEM INCLUDES EXCAVATION, CONCRETE, TRENCH DRAIN FRAME, AND GRATE.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, RUNNEL B.

ITEM SPECIAL, DRAINAGE BUNKER

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL DRAINAGE BUNKER AS PER PLAN. THIS ITEM SHALL INCLUDE EXCAVATION, CONCRETE, AND THE DRAINAGE BUNKER.

PAYMENT FOR THE ABOVE WILL BE MADE AT THE CONTRACT PRICE ITEM SPECIAL, DRAINAGE BUNKER.

ITEM SPECIAL, BIOSWALE SOIL

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL BIOSWALE SOIL AS PER

PLAN. SOIL SHALL MEET THE FOLLOWING CRITERIA:

- TEXTURE CLASS: LOAMY SAND, HAVING NO LESS THAN 80% SAND AND NO GREATER THAN 10% CLAY CONSIDERING ONLY THE MINERAL FRACTION OF THE SOIL.
- PH RANGE: 5.2 - 8.0
- SOLUBLE SALTS: 500 PPM MAXIMUM.
- DECOMPOSED ORGANIC MATTER: 3-5% BY WEIGHT [NOTE: THIS TRANSLATES TO 8-20% ORGANIC MATTER BY VOLUME. S
- PHOSPHORUS: PHOSPHORUS OF THE PLANTING MEDIA SHOULD FALL BETWEEN 15 AND 60 MG/KG AS DETERMINED BY THE MEHLICH III TEST. FOR SITES IN WATERSHEDS WITH A PHOSPHORUS TMDL OR SITES WITH HIGH PHOSPHORUS LOADS, THE PHOSPHORUS CONTENT OF THE PLANTING MEDIA SHOULD FALL BETWEEN 10 AND 30 MG/KG AS DETERMINED BY THE MEHLICH III TEST.
- SAND ADDED SHALL BE CLEAN AND MEET AASHTO M-6 OR ASTM C-33 WITH A GRAIN SIZE OF 0.02-0.04" INCHES.

THIS ITEM SHALL ALSO INCLUDE THE FILTRATION LAYER OF SAND AND GRAVEL BELOW THE SOIL MIXTURE. SAND SHALL BE 3" OF CLEAN MEDIUM CONCRETE SAND COMPLYING WITH ASTM C-13 OVER 3" OF PEA GRAVEL (#8 OR #78).

PAYMENT FOR THE ABOVE WILL BE MADE PER CUBIC YARD AT THE CONTRACT PRICE ITEM SPECIAL, BIOSWALE SOIL.

ITEM SPECIAL, CONCRETE ABUTMENTS

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL CONCRETE ABUTMENTS AS PER PLAN. THIS ITEM INCLUDES EXCAVATION, FORMWORK, CONCRETE, FINISHING, AND INSTALLATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER LINEAL FOOT AT THE CONTRACT PRICE ITEM SPECIAL, CONCRETE ABUTMENTS.

ITEM SPECIAL, BOARDWALK

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL BOARDWALK AS PER PLAN. THIS ITEM INCLUDES BOARDWALK POSTS, BEAMS, JOISTS, DECKING, RAILING, AND ALL APPURTENANCES.

PAYMENT FOR THE ABOVE WILL BE MADE PER LINEAL FOOT AT THE CONTRACT PRICE ITEM SPECIAL, BOARDWALK.

ITEM SPECIAL, PARK SIGN

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL PARK SIGN AS PER PLAN. THIS ITEM INCLUDES EXCAVATION, CONCRETE FOOTER, SIGN FABRICATION, AND INSTALLATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, PARK SIGN.

ITEM SPECIAL, INTERPRETIVE SIGN

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL INTERPRETIVE SIGN AS PER PLAN. THIS ITEM INCLUDES EXCAVATION, CONCRETE FOOTER, SIGN FABRICATION, AND INSTALLATION.

PAYMENT FOR THE ABOVE WILL BE MADE PER EACH AT THE CONTRACT PRICE ITEM SPECIAL, INTERPRETIVE SIGN.

ITEM SPECIAL, TEMPORARY CONSTRUCTION FENCE

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL TEMPORARY CONSTRUCTION FENCE AROUND THE PERIMETER OF THE PROJECT AREA AS PER PLAN. TEMPORARY CONSTRUCTION FENCE SHALL CONSIST OF WOODEN SNOW FENCE ATTACHED TO STEEL FENCE POSTS SPACED AT 8' SPACING. CONTRACTOR SHALL INSTALL FENCE PRIOR TO COMMENCING WORK AND REMOVE CONSTRUCTION FENCE WHEN GRASS SEEDING IS ACCEPTED AS SATISFACTORY.

PAYMENT FOR THE ABOVE WILL BE MADE AT THE CONTRACT PRICE ITEM SPECIAL, TEMPORARY CONSTRUCTION FENCE.

ITEM SPECIAL, TEMPORARY CONSTRUCTION ENTRANCE

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL A TEMPORARY CONSTRUCTION ENTRANCE AS PER PLAN. TEMPORARY CONSTRUCTION ENTRANCE SHALL CONSIST OF GRAVEL ROAD BASE AND SHALL SERVE AS THE ENTRANCE AND EXIT POINT FOR ALL VEHICLES ON SITE. MUD AND DUST SHALL BE WASHED OFF ON THIS ENTRANCE BEFORE VEHICLES ENTER THE PUBLIC RIGHT-OF-WAY. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING THE ENTRANCE AND RESTORING THE SITE BEFORE WITHDRAWING FROM THE SITE.

UNDER NO CIRCUMSTANCES SHALL ANY WORKER OR VISITOR TO THE SITE USE OR BLOCK THE DRIVEWAYS OF THE ADJACENT FIRE STATION.

CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE EXISTING CURB AND SIDEWALK AND IT'S REPLACEMENT IF DAMAGED BY TRAFFIC ON THE SITE.

PAYMENT FOR THE ABOVE WILL BE MADE AT A LUMP SUM AT THE CONTRACT PRICE ITEM SPECIAL, TEMPORARY CONSTRUCTION ENTRANCE.

ITEM SPECIAL, TREE PROTECTION

CONTRACTOR SHALL FURNISH ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL TREE PROTECTION FENCING AT OR BEYOND THE DRIPLINE OF EXISTING TREES TO REMAIN. TREE PROTECTION SHALL CONSIST OF PLASTIC FENCING, METAL STAKES AND SIGNAGE AS DETAILED IN THE PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING THE FENCE AT SUBSTANTIAL COMPLETION OF THE JOB.

AT NO POINT SHOULD VEHICLES OR EQUIPMENT BE DRIVEN OVER, PARKED OR STORED WITHIN THE PROTECTION FENCE. CONSTRUCTION DEBRIS OR STOCKPILED SOIL AND MATERIALS ARE PROHIBITED FROM THE PROTECTED AREA AS WELL. LIMIT PEDESTRIAN TRAFFIC AND KEEP AREA FREE FROM TRASH.

PAYMENT FOR THE ABOVE WILL BE MADE AT A LUMP SUM AT THE CONTRACT PRICE ITEM SPECIAL, TREE PROTECTION.



PROJECT

ARCH PARK

CLIENT

SLAVIC VILLAGE DEVELOPMENT

5620 BROADWAY AVE #200
CLEVELAND, OH 44127

CONSULTANT

AECOM
1300 E. 9TH STREET, SUITE 500
CLEVELAND, OH 44114
216.622.2300 tel 216.622.2301 fax
www.aecom.com

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	12/8/2016	30% OWNER REVIEW

PROJECT NUMBER

60520994

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

G101



PROJECT
ARCH PARK

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PROJECT NUMBER

60520994

SHEET TITLE

TABULATION

SHEET NUMBER

G200

ITEM	SHEET NUMBERS											ITEM	GRAND TOTAL	UNIT	DESCRIPTION
	R000	D000	L100	L101	L300	L301	L400	L401	L402	L403	L404				
201		1										201	1	LS	CLEARING AND GRUBBING
202		1										202	1	LS	REMOVAL OF STRUCTURES
203		249										203	249	CY	EXCAVATION
253		58										253	58	SF	PAVEMENT REPAIR
608			565									608	565	SF	CONCRETE WALKS
608			1423									608	1423	SF	PERVIOUS CONCRETE WALKS
611				25								611	25	LF	8" CONDUIT, TYPE C
611				1								611	1	EA	CATCH BASIN
623		1										623	1	LS	CONSTRUCTION LAYOUT STAKES
624		1										624	1	LS	MOBILIZATION
653				170								653	170	CY	TOPSOIL FURNISHED AND PLACED
659					957							659	957	SY	SEEDING
661					3	6						661	9	EA	ACER RUBRUM - RED MAPLE
661					3							661	3	EA	CERCIS CANADENSIS - EASTERN REDBUD
661					16	9						661	25	EA	HYDRANGEA MACROPHYLLA 'ENDLESS SUMMER' - ENDLESS SUMMER HYDRANGEA
661						23						661	23	EA	ILEX VERTICILLATA - WINTERBERRY
661						80						661	80	EA	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' - KARL FOERSTER GRASS
661						90						661	90	EA	CAREX LURIDA - BOTTLEBRUSH SEDGE
661						90						661	90	EA	CAREX VULPINOIDEA - BROWN FOX SEDGE
661						117						661	117	EA	IRIS SIBERICA 'CAESAR'S BROTHER' - CAESAR'S BROTHER SIBERIAN IRIS
661						90						661	90	EA	JUNCUS EFFUSUS - COMMON RUSH
661						90						661	90	EA	LEERSIA ORYZOIDES - RICE CUT GRASS
661						76						661	76	EA	LIATRIS SPICATA - BLAZING STAR
661						148						661	148	EA	RUDBECKIA FULGIDA VAR. SULLIVANTII 'GOLDSTURM' - BLACK-EYED SUSAN
661						90						661	90	EA	SCIRPUS ATROVIRENS
661					131	57						661	188	EA	VINCA MINOR 'BOWLES VARIETY' - BOWLES MYRTLE
661												661	1	LS	ESTABLISHMENT MAINTENANCE
SPECIAL		1										SPECIAL	1	EA	TEMPORARY CONSTRUCTION SIGN
SPECIAL				1								SPECIAL	1	EA	VERTICAL DRAIN
SPECIAL				1								SPECIAL	1	EA	RUNNEL A
SPECIAL				1								SPECIAL	1	EA	RUNNEL B
SPECIAL				2								SPECIAL	2	EA	DRAINAGE BUNKER
SPECIAL			39									SPECIAL	39	CY	BIOSWALE SOIL
SPECIAL				48								SPECIAL	48	LF	CONCRETE ABUTMENTS
SPECIAL			30									SPECIAL	30	LF	BOARDWALK
SPECIAL			1									SPECIAL	1	EA	PARK SIGN
SPECIAL			1									SPECIAL	1	EA	INTERPRETIVE SIGN
SPECIAL		1										SPECIAL	1	LS	TEMPORARY CONSTRUCTION FENCE
SPECIAL		1										SPECIAL	1	LS	TEMPORARY CONSTRUCTION ENTRANCE
SPECIAL		1										SPECIAL	1	LS	TREE PROTECTION

Approved: _____

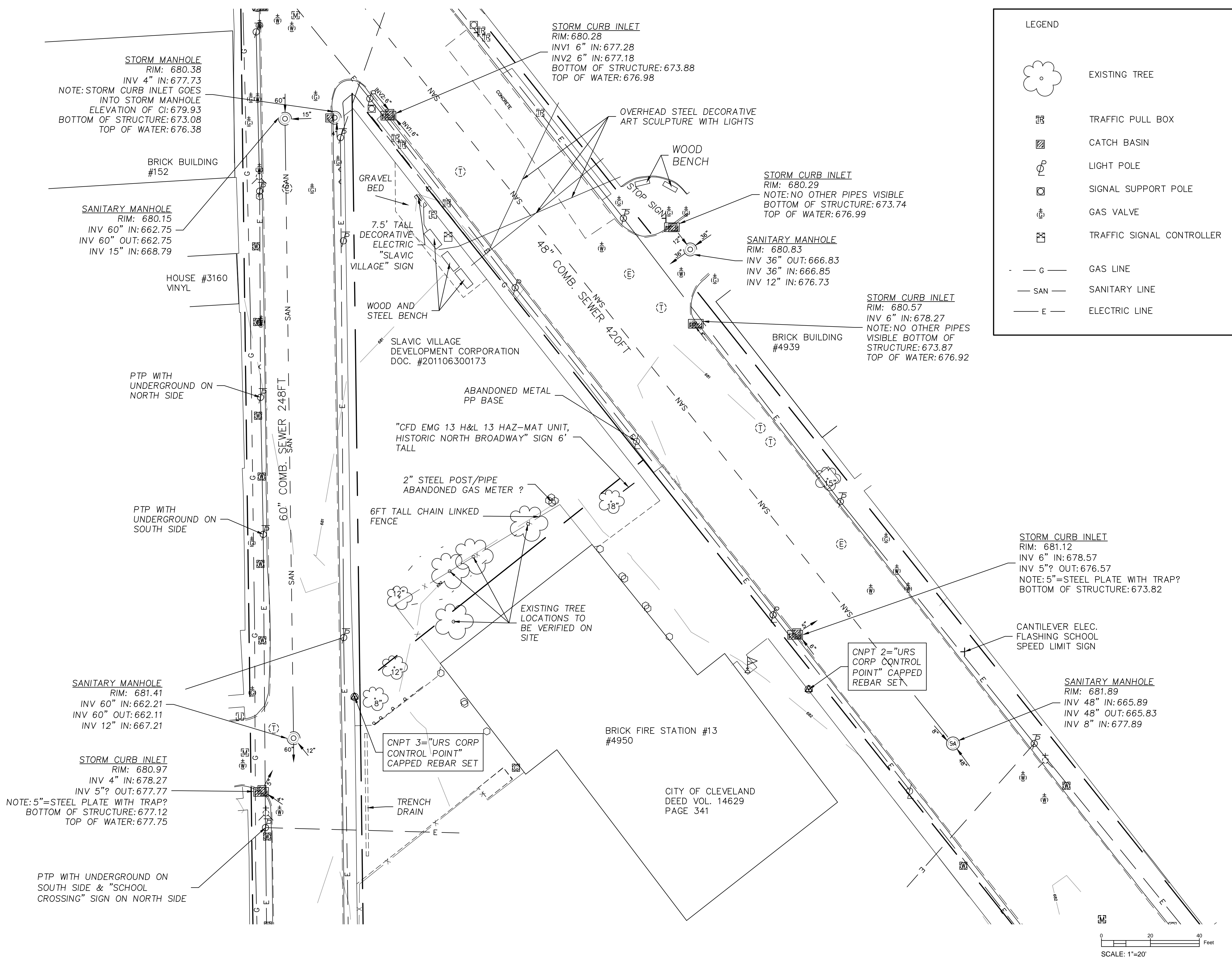
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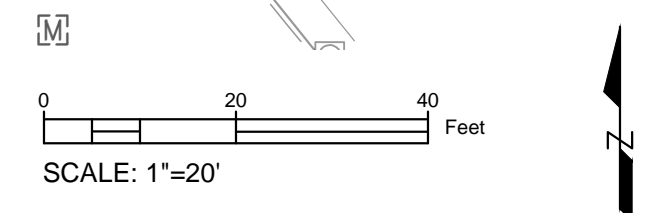
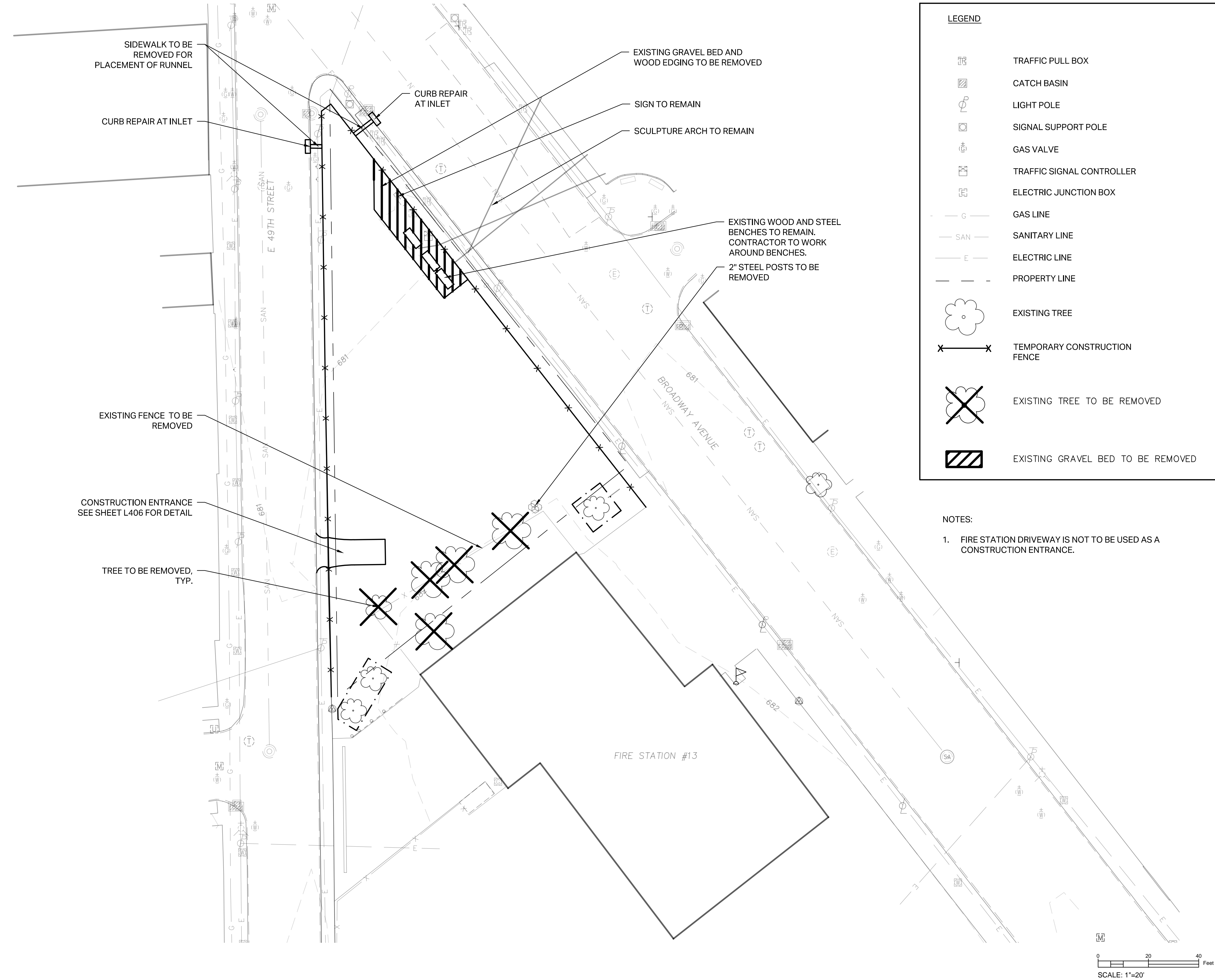
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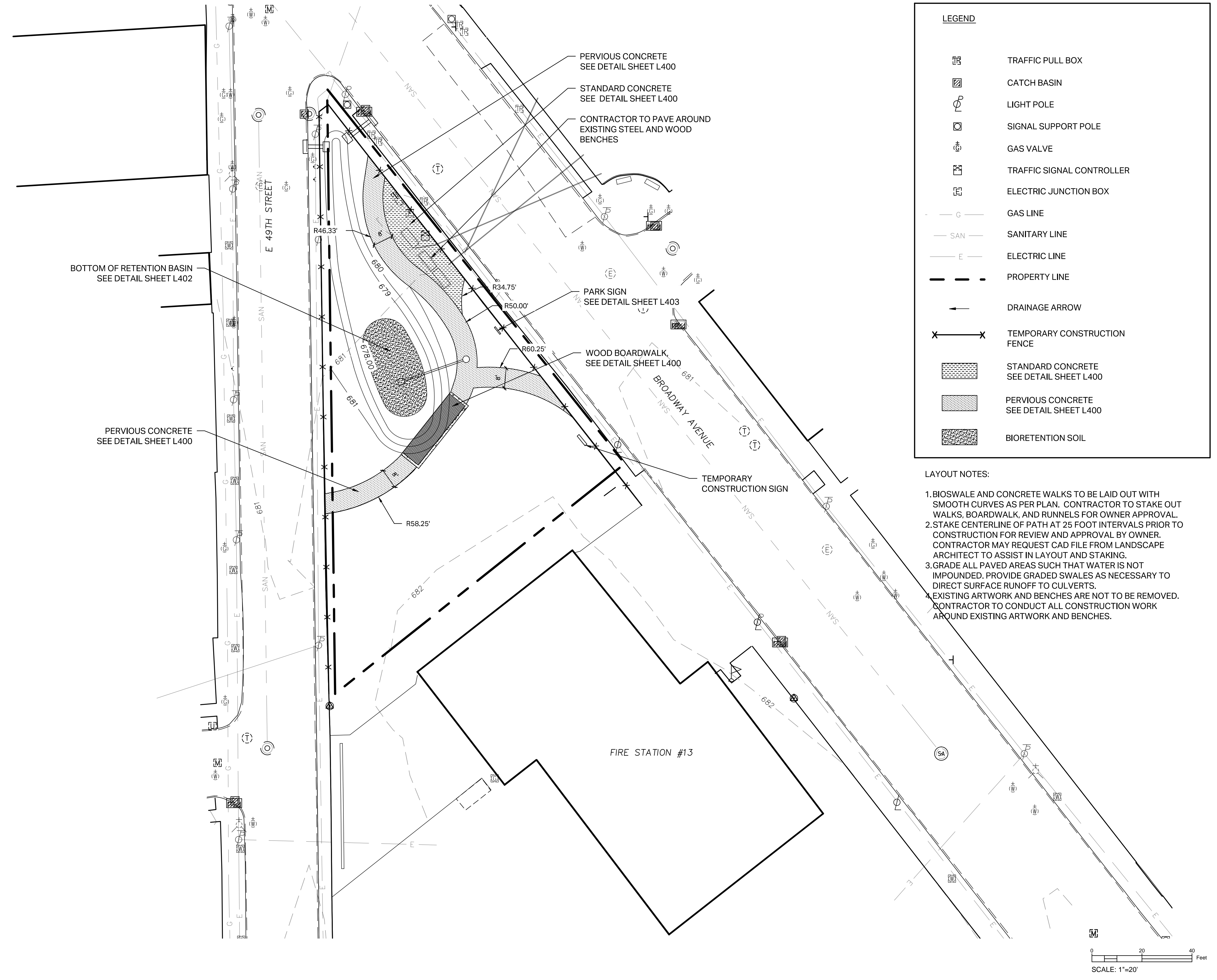
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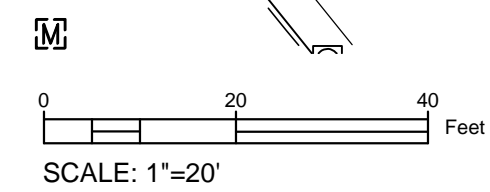
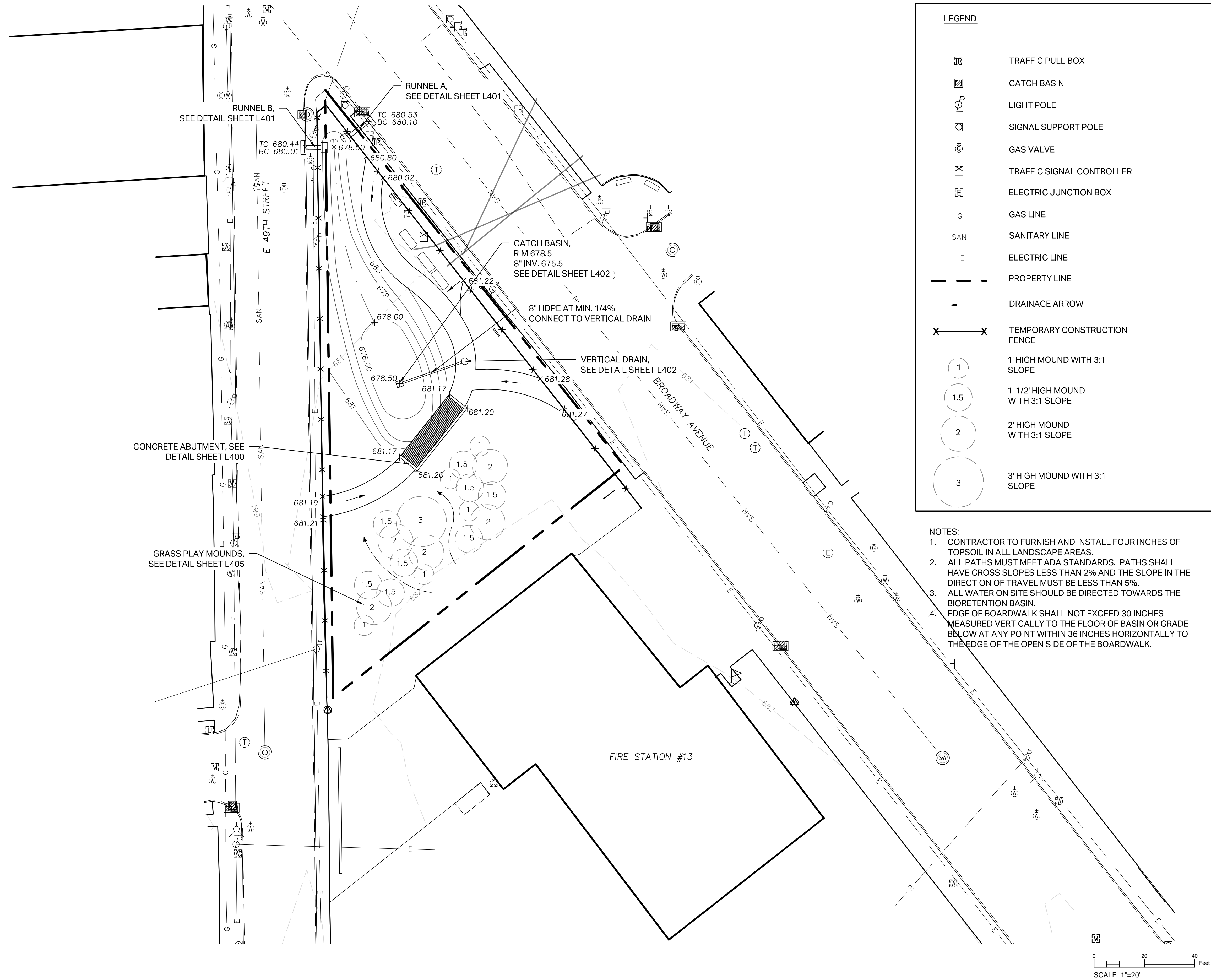
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60520994

GRADING PLAN



L101



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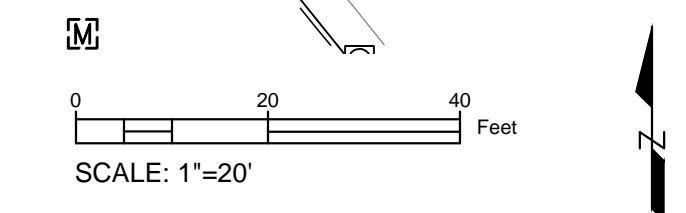
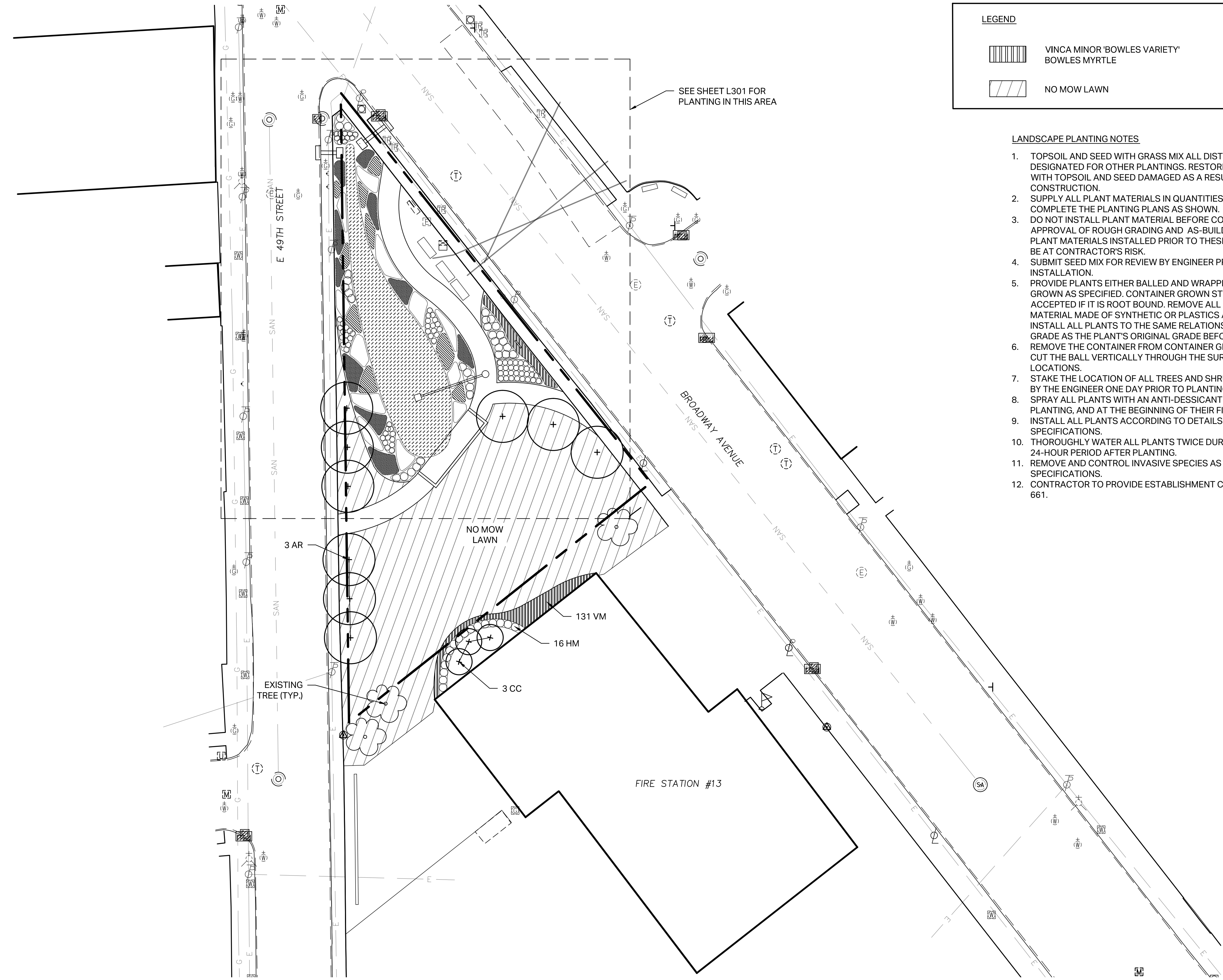
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LEGEND

-  VINCA MINOR 'BOWLES VARIETY'
BOWLES MYRTLE
-  NO MOW LAWN

LANDSCAPE PLANTING NOTES

1. TOPSOIL AND SEED WITH GRASS MIX ALL DISTURBED AREAS NOT DESIGNATED FOR OTHER PLANTINGS. RESTORE DISTURBED AREAS WITH TOPSOIL AND SEED DAMAGED AS A RESULT OF CONSTRUCTION.
2. SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLANS AS SHOWN.
3. DO NOT INSTALL PLANT MATERIAL BEFORE COMPLETION AND APPROVAL OF ROUGH GRADING AND AS-BUILD GRADING SURVEY. PLANT MATERIALS INSTALLED PRIOR TO THESE APPROVALS SHALL BE AT CONTRACTOR'S RISK.
4. SUBMIT SEED MIX FOR REVIEW BY ENGINEER PRIOR TO INSTALLATION.
5. PROVIDE PLANTS EITHER BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. CONTAINER GROWN STOCK WILL NOT BE ACCEPTED IF IT IS ROOT BOUND. REMOVE ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETIC OR PLASTICS AT TIME OF PLANTING. INSTALL ALL PLANTS TO THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. REMOVE THE CONTAINER FROM CONTAINER GROWN STOCK, AND CUT THE BALL VERTICALLY THROUGH THE SURFACE IN TWO LOCATIONS.
7. STAKE THE LOCATION OF ALL TREES AND SHRUBS FOR APPROVAL BY THE ENGINEER ONE DAY PRIOR TO PLANTING.
8. SPRAY ALL PLANTS WITH AN ANTI-DESSICANT WITHIN 24 HOURS OF PLANTING, AND AT THE BEGINNING OF THEIR FIRST WINTER.
9. INSTALL ALL PLANTS ACCORDING TO DETAILS AND CONTRACT SPECIFICATIONS.
10. THOROUGHLY WATER ALL PLANTS TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING.
11. REMOVE AND CONTROL INVASIVE SPECIES AS DIRECTED IN SPECIFICATIONS.
12. CONTRACTOR TO PROVIDE ESTABLISHMENT CARE PER ODOT ITEM 661.



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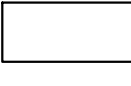



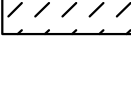
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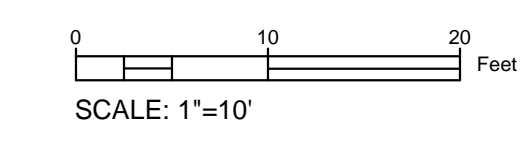
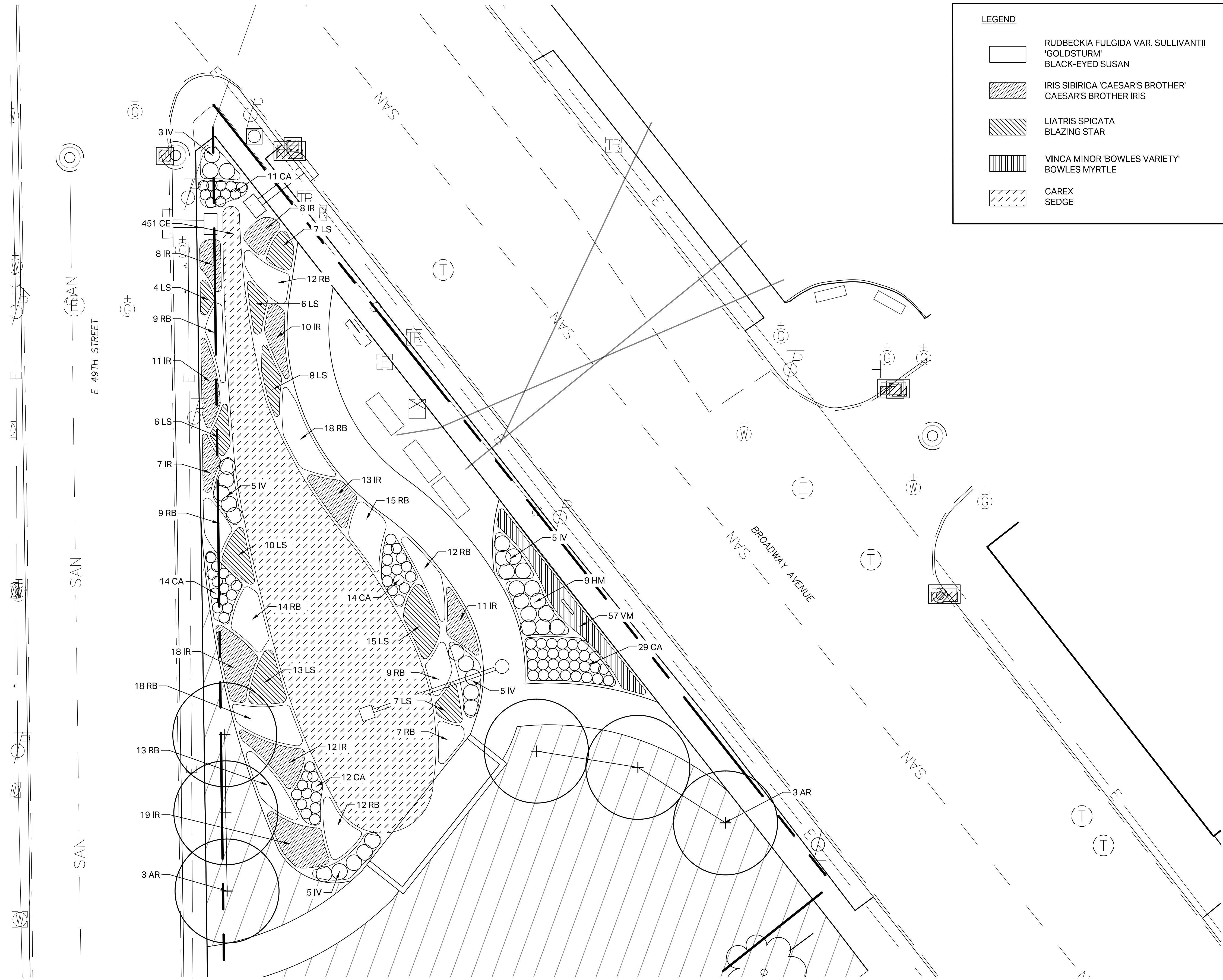
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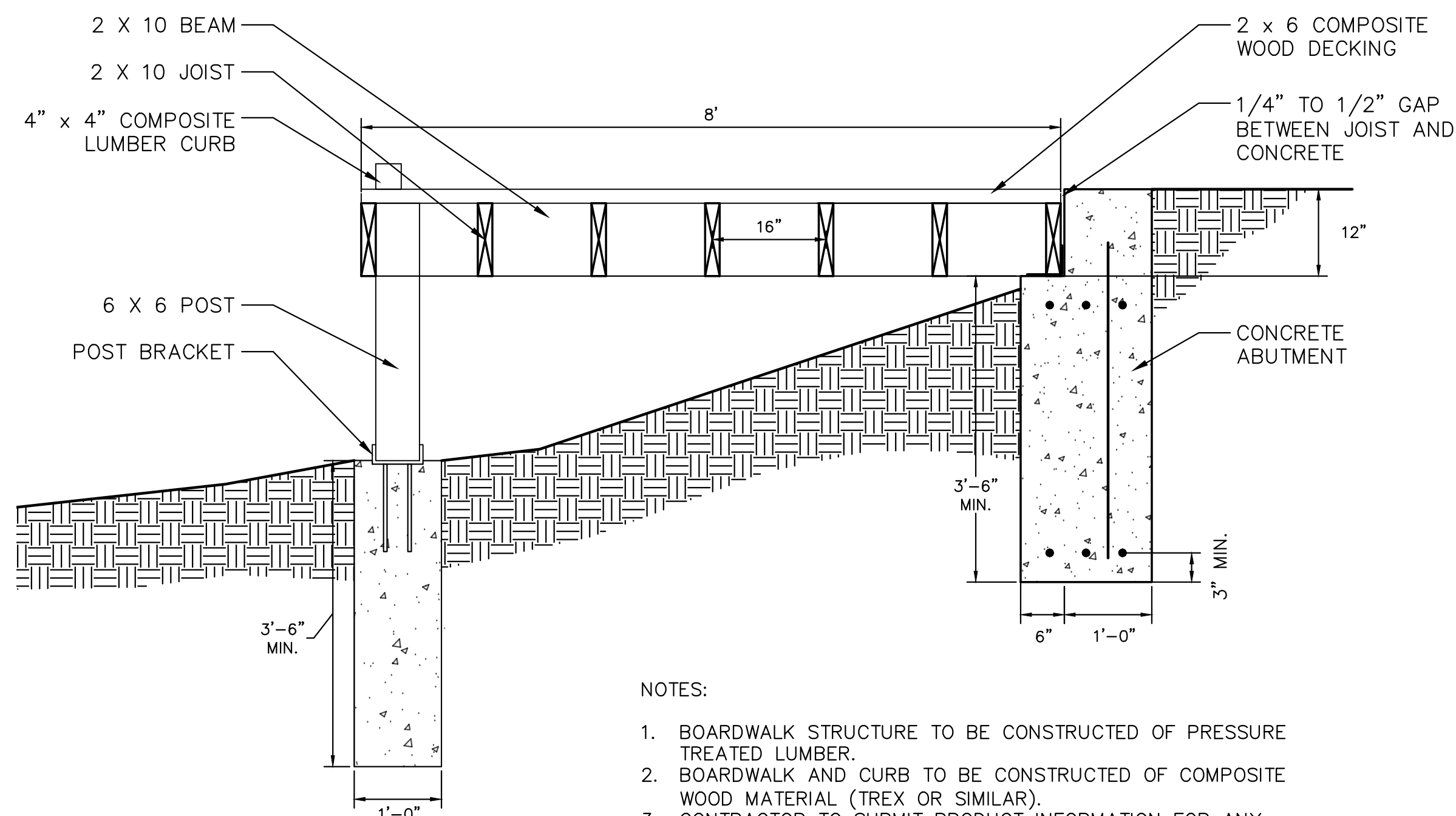
LEGEND

-  RUDBECKIA FULGIDA VAR. SULLIVANTII
'GOLDSTURM'
BLACK-EYED SUSAN
-  IRIS SIBIRICA 'CAESAR'S BROTHER'
CAESAR'S BROTHER IRIS
-  LIATRIS SPICATA
BLAZING STAR
-  VINCA MINOR 'BOWLES VARIETY'
BOWLES MYRTLE
-  CAREX
SEDGE



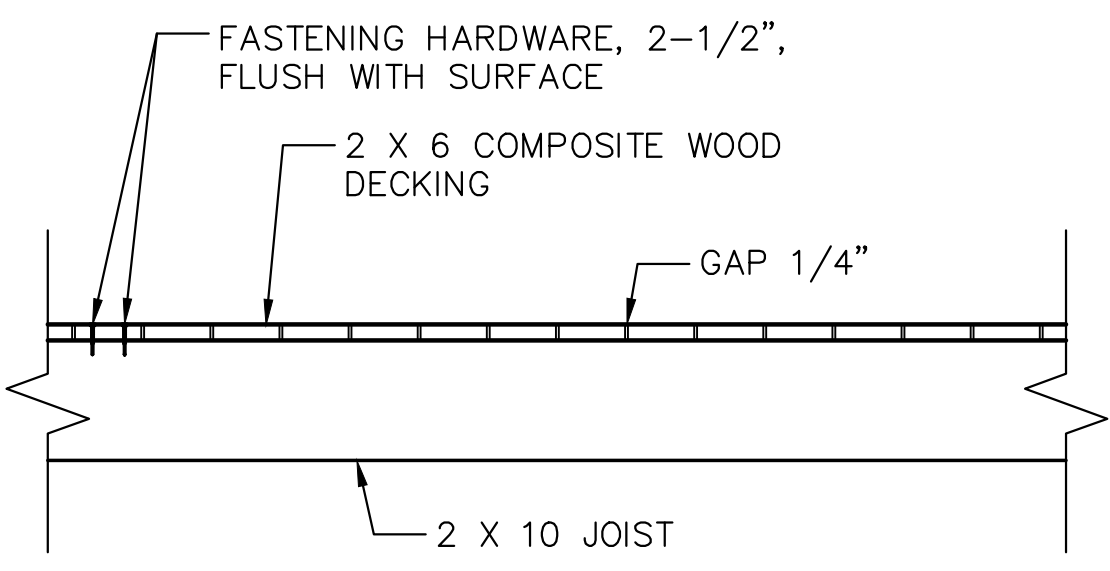
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Checked: _____
Designer: _____
Project Management Initials: _____



- NOTES:
1. BOARDWALK STRUCTURE TO BE CONSTRUCTED OF PRESSURE TREATED LUMBER.
 2. BOARDWALK AND CURB TO BE CONSTRUCTED OF COMPOSITE WOOD MATERIAL (TREX OR SIMILAR).
 3. CONTRACTOR TO SUBMIT PRODUCT INFORMATION FOR ANY POST BRACKETS AND HARDWARE TO ENGINEER FOR APPROVAL.

SECTION A
SCALE: 3/4"=1'-0"



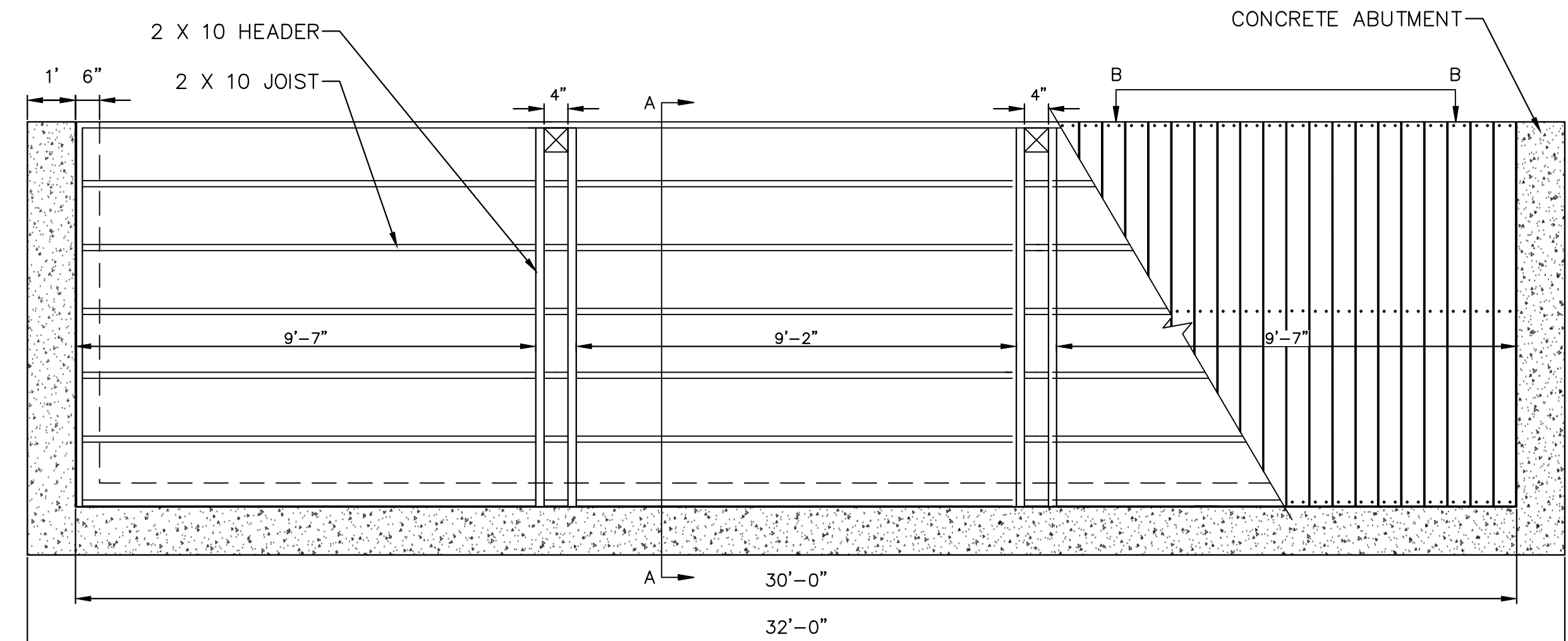
- NOTES:
1. COMPOSITE WOOD DECKING
 2. DECK HARDWARE

SECTION B
SCALE: 3/4"=1'-0"

FASTENER SCHEDULE

DECKING	DECK SCREWS
JOISTS	JOIST HANGERS
BEAMS	3/8" CARRIAGE BOLTS
POST	POST BRACKET

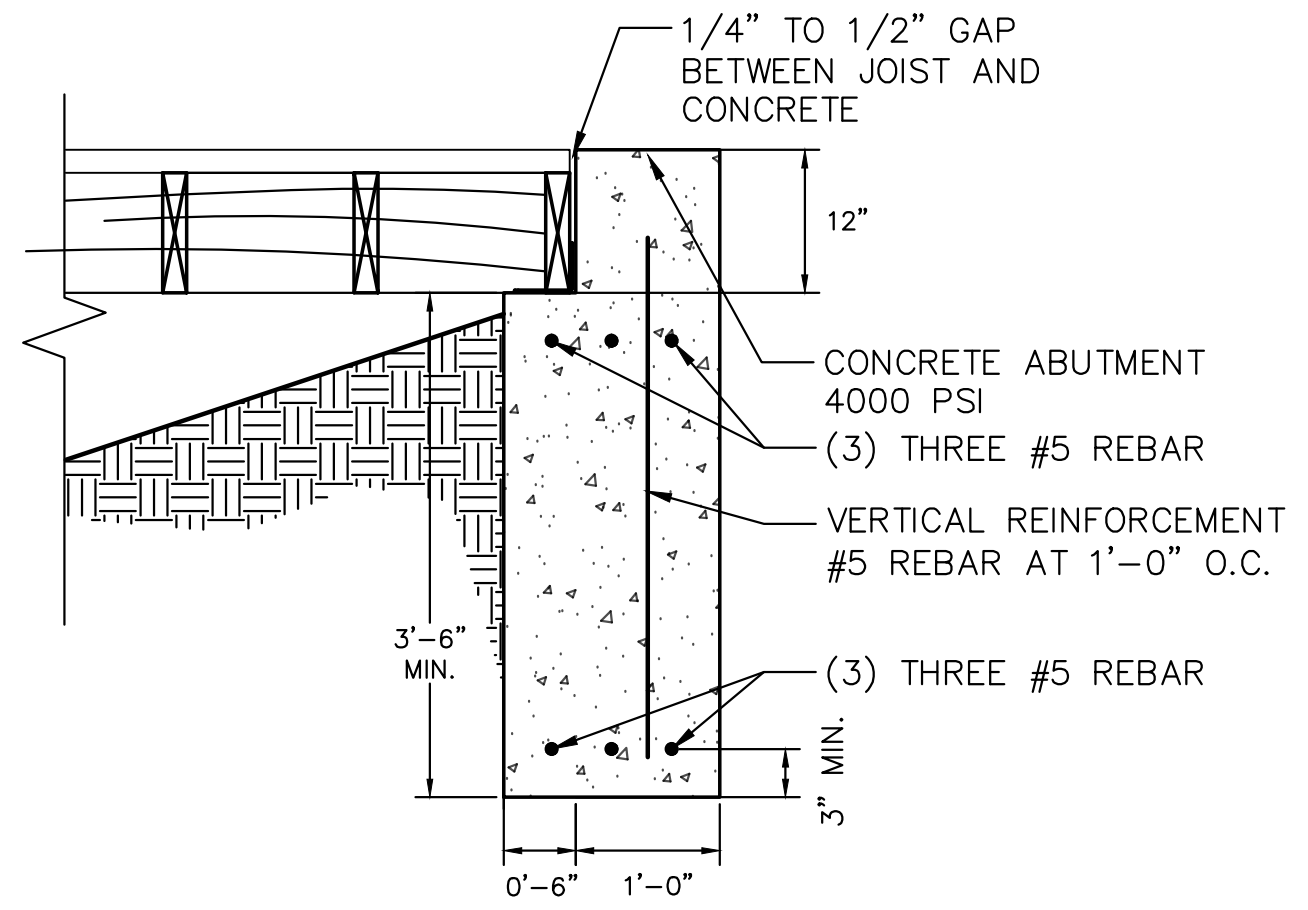
NOTE: HOT DIPPED GALVANIZED



- NOTES:
1. BOARDWALK STRUCTURE TO BE CONSTRUCTED OF PRESSURE TREATED LUMBER.
 2. CONTRACTOR TO SUBMIT PRODUCT INFORMATION FOR ANY POST BRACKETS AND HARDWARE TO ENGINEER FOR APPROVAL.

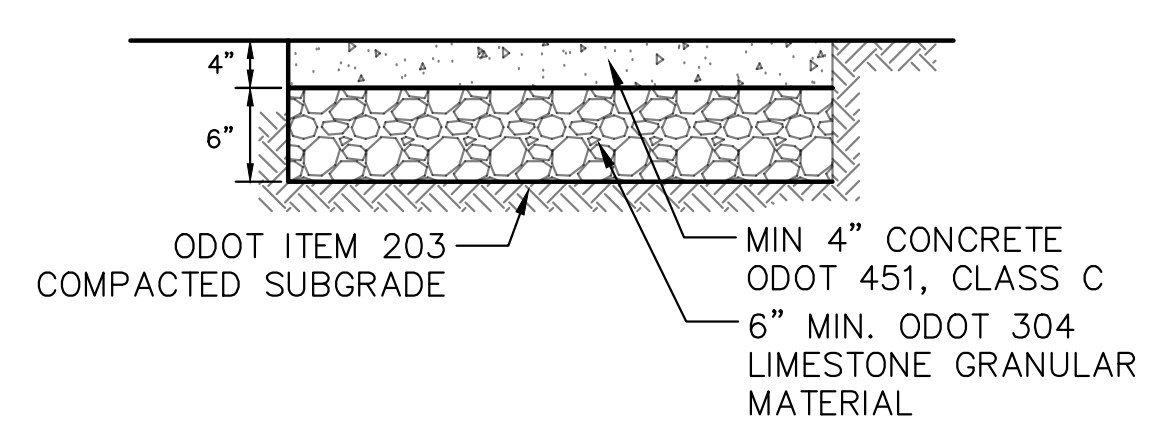
PLAN VIEW
SCALE: NTS

1 COMPOSITE WOOD BOARDWALK



- NOTES:
1. CONCRETE

2 CONCRETE ABUTMENT
SCALE: 3/4"=1'-0"



NOTE: T=SLAB THICKNESS
30' ON CENTER MAX. 1/2"

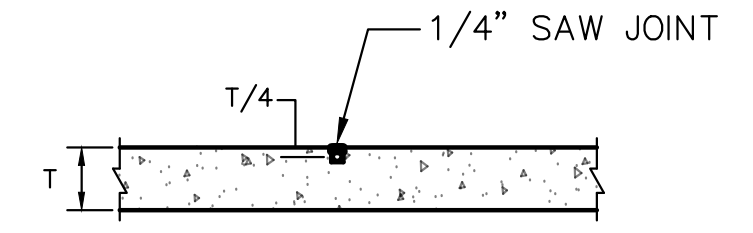
PREMOLDED EXPANSION JNT. MTRL. W/ODOT 705.04 JNT. SEALING MTRL. W/ BACKER ROD

NOTE: EXPANSION JOINTS SHALL BE USED AT ALL PAVEMENT INTERSECTIONS AND WHERE DESIGNATED ON THE PLAN OR CALLED FOR BY THE ENGINEER.

EXPANSION JOINT

NOTES:

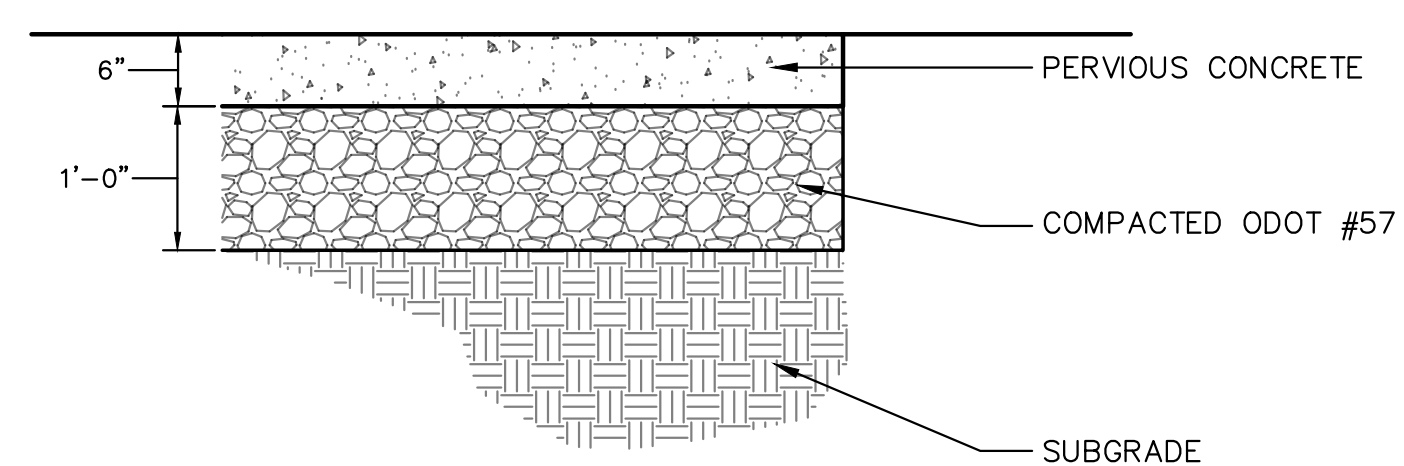
1. IN ALL CONCRETE WALKS AND DRIVES AND APRONS, INSTALL CONTRACTION JOINTS AT 5' ON CENTER, AND INSTALL EXPANSION JOINTS AT 30' ON CENTER UNLESS OTHERWISE NOTED.
2. BROOM FINISH
3. CROSS SLOPES FOR WALKS = 1/4" PER FOOT; SLOPE TOWARD CURB OR STREET 1/4" TO 1/2" PER FOOT.
4. WHEN ABUTTING EXISTING WALK, MATCH EXISTING GRADES AND SLOPES.



NOTE: T=SLAB THICKNESS
5' ON CENTER MAX.

CONTRACTION JOINT

3 STANDARD CONCRETE
SCALE: 3/4"=1'-0"



NOTES:

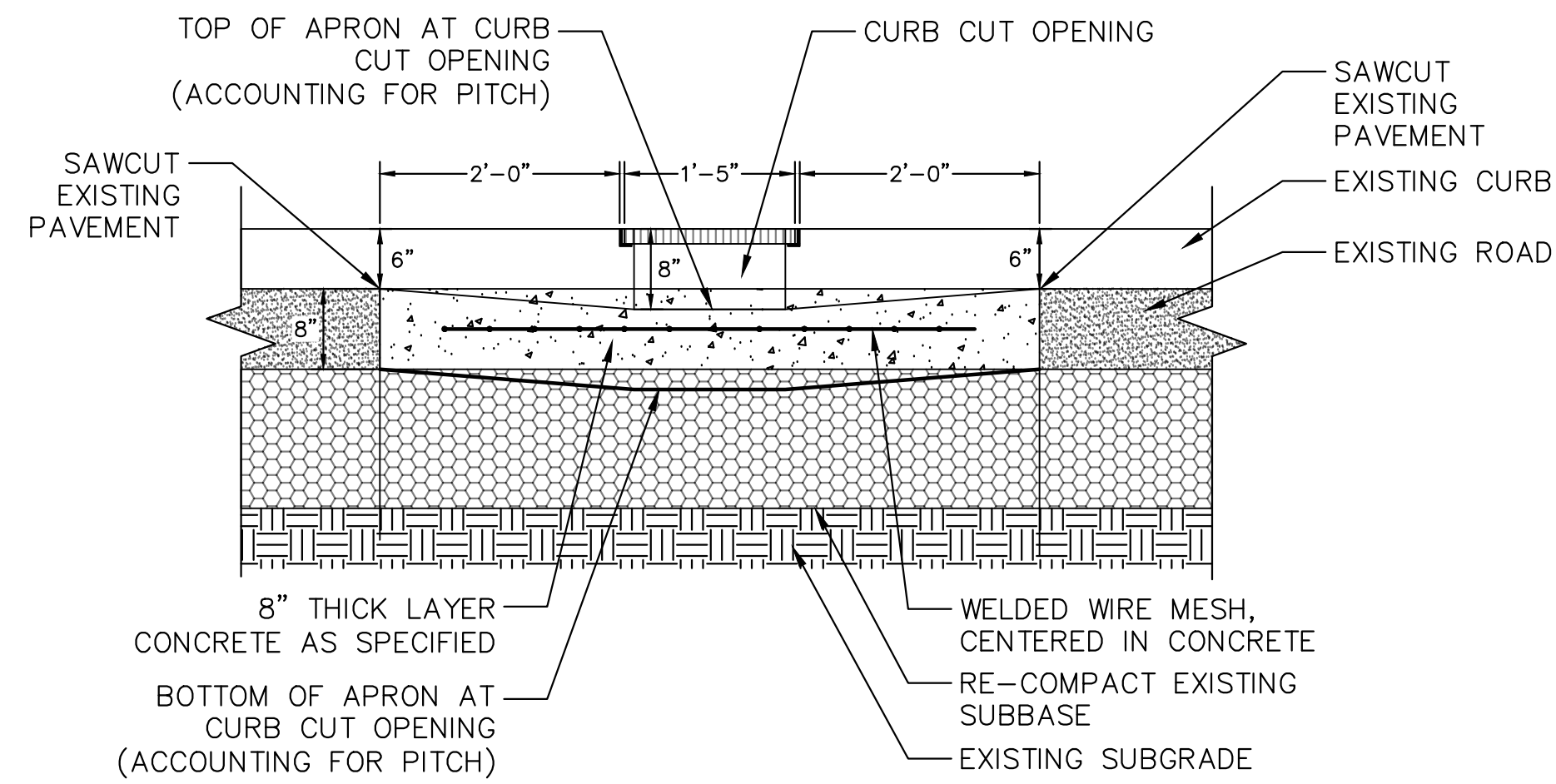
1. ALL PERVIOUS CONCRETE INSTALLATION TO BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED PERVIOUS CONCRETE INSTALLER AS CERTIFIED BY OHIO READY MIXED ASSOCIATION.
2. INSTALL CONTRACTION JOINTS AT 10' ON CENTER, AND INSTALL EXPANSION JOINTS AT 40' ON CENTER.
3. COMPACT SUBGRADE TO 95% DRY DENSITY.
4. EXPANSION JOINTS TO BE PREFORMED JOINT FILLER OF 3/8" THICKNESS.
5. CONTRACTOR TO ADJUST +/- 1' COMPACTED ODOT #57 DEPTH TO CREATE POSITIVE DRAINAGE, MIN. .25% SLOPE SUBGRADE TOWARD BASIN.

4 PERVIOUS CONCRETE
SCALE: 3/4"=1'-0"

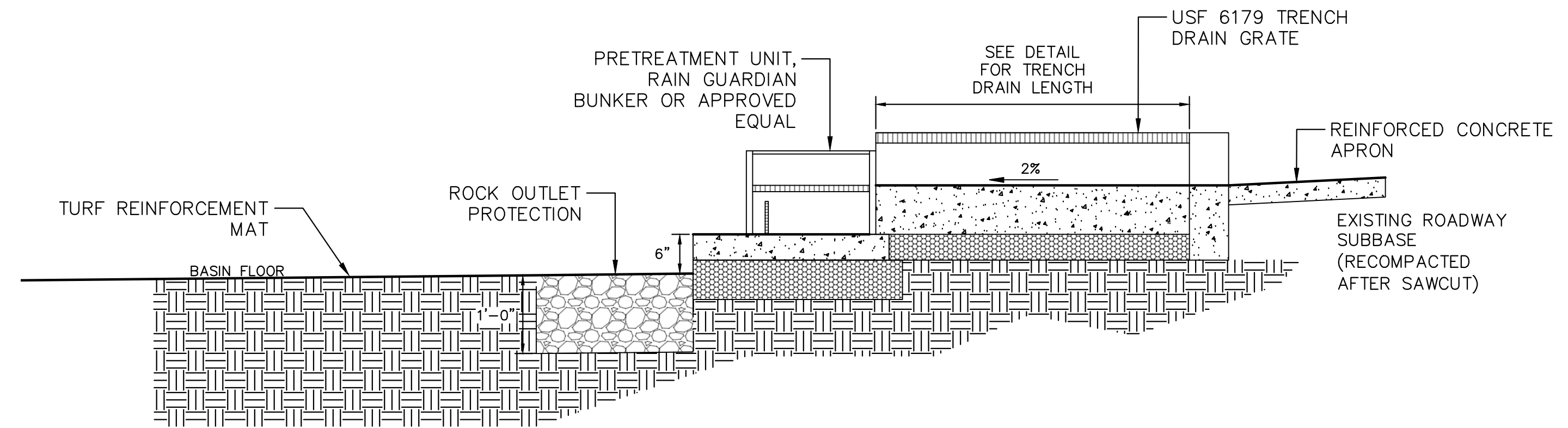
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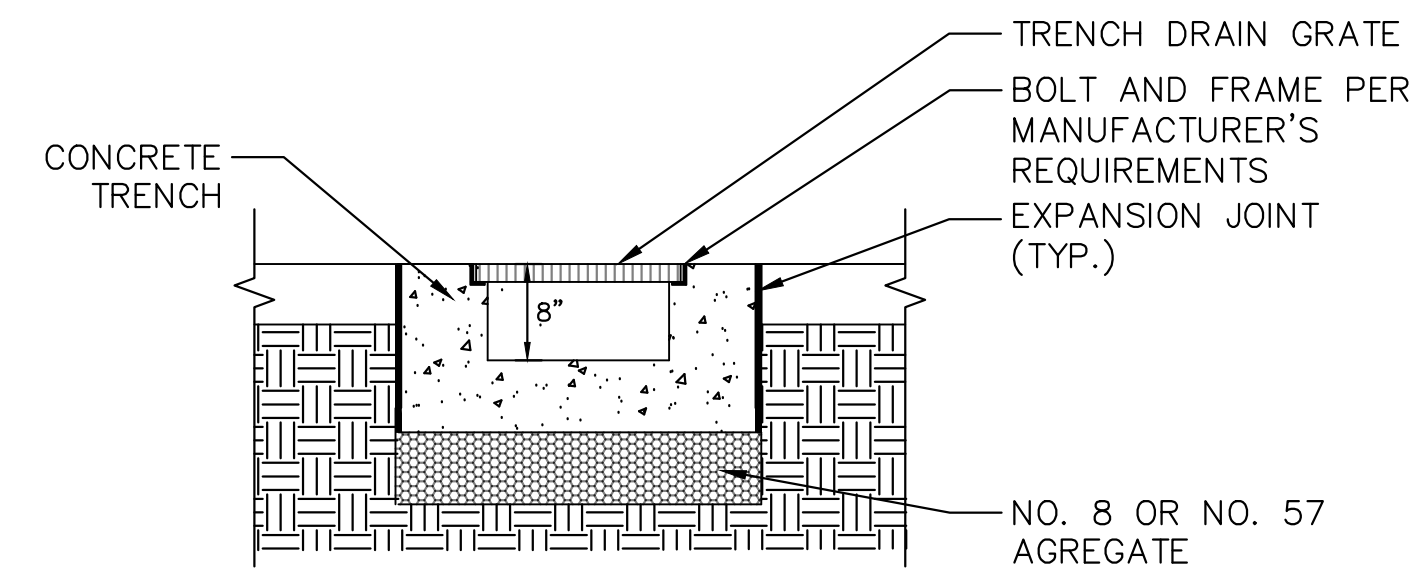
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	3/3/2017	90% OWNER REVIEW
	1/24/2017	60% OWNER REVIEW
	12/8/2016	30% OWNER REVIEW



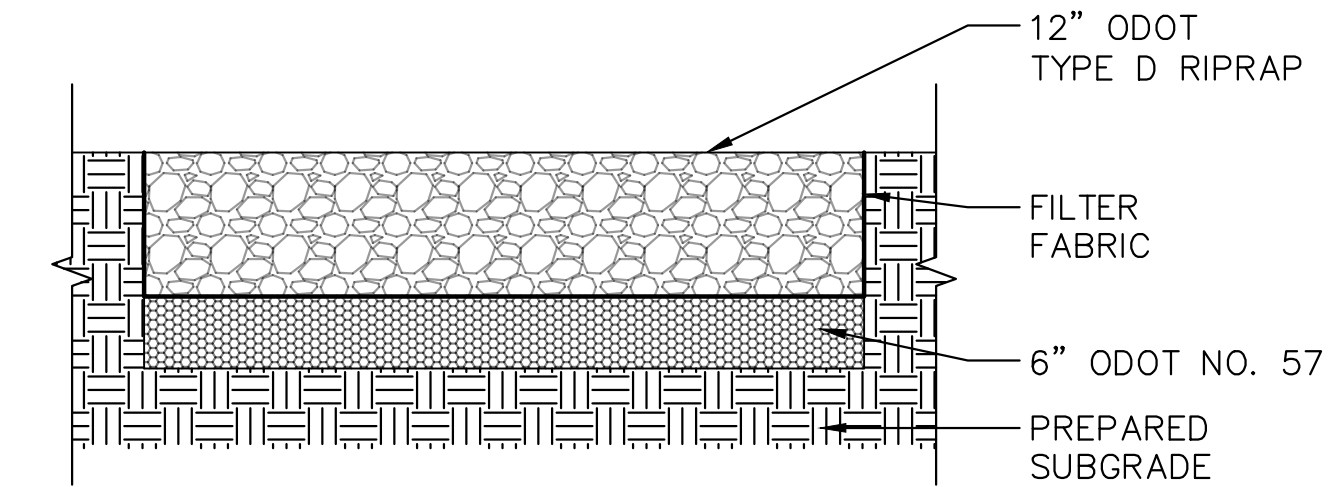
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REINFORCED CONCRETE APRON



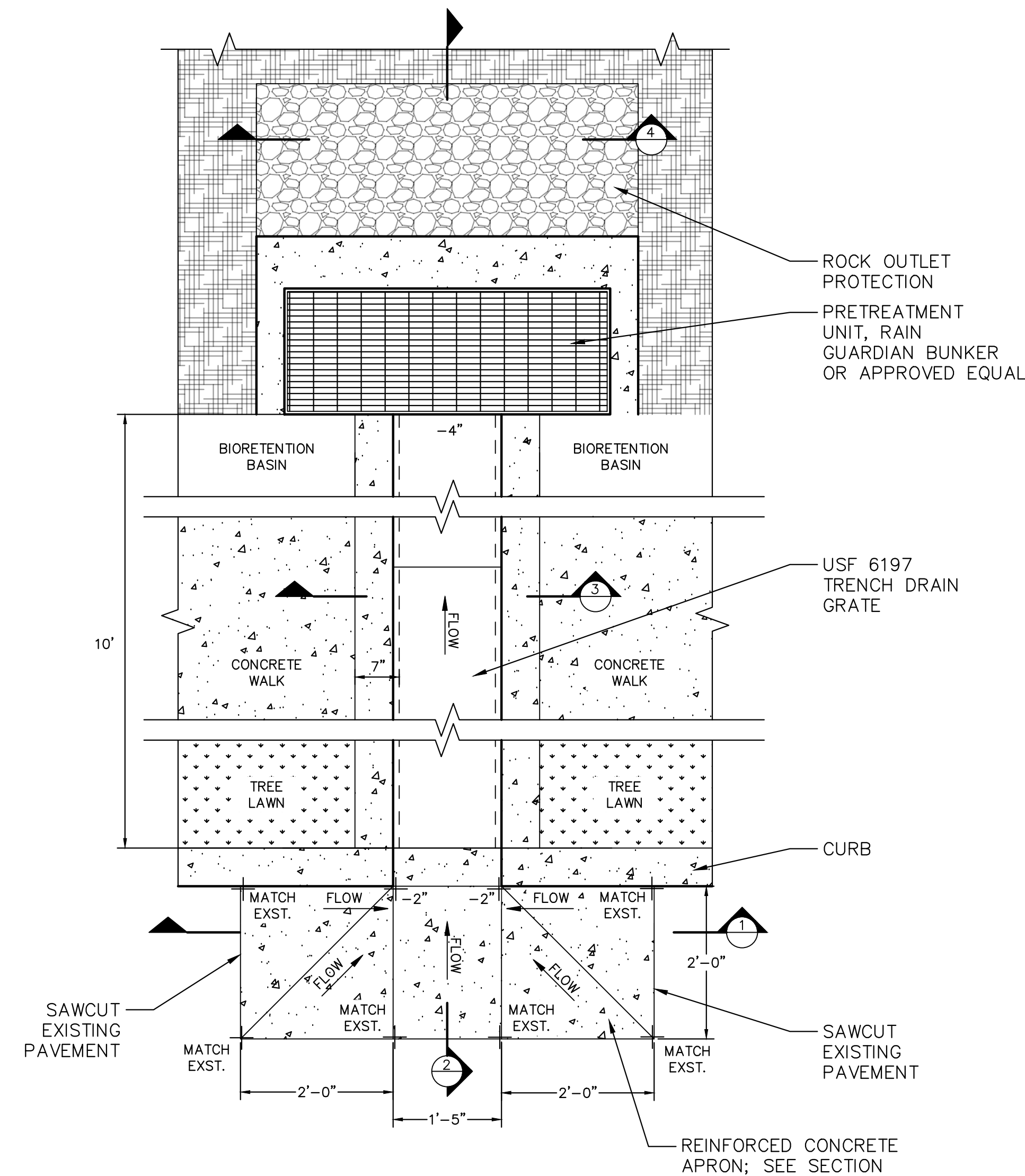
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RUNNEL PROFILE



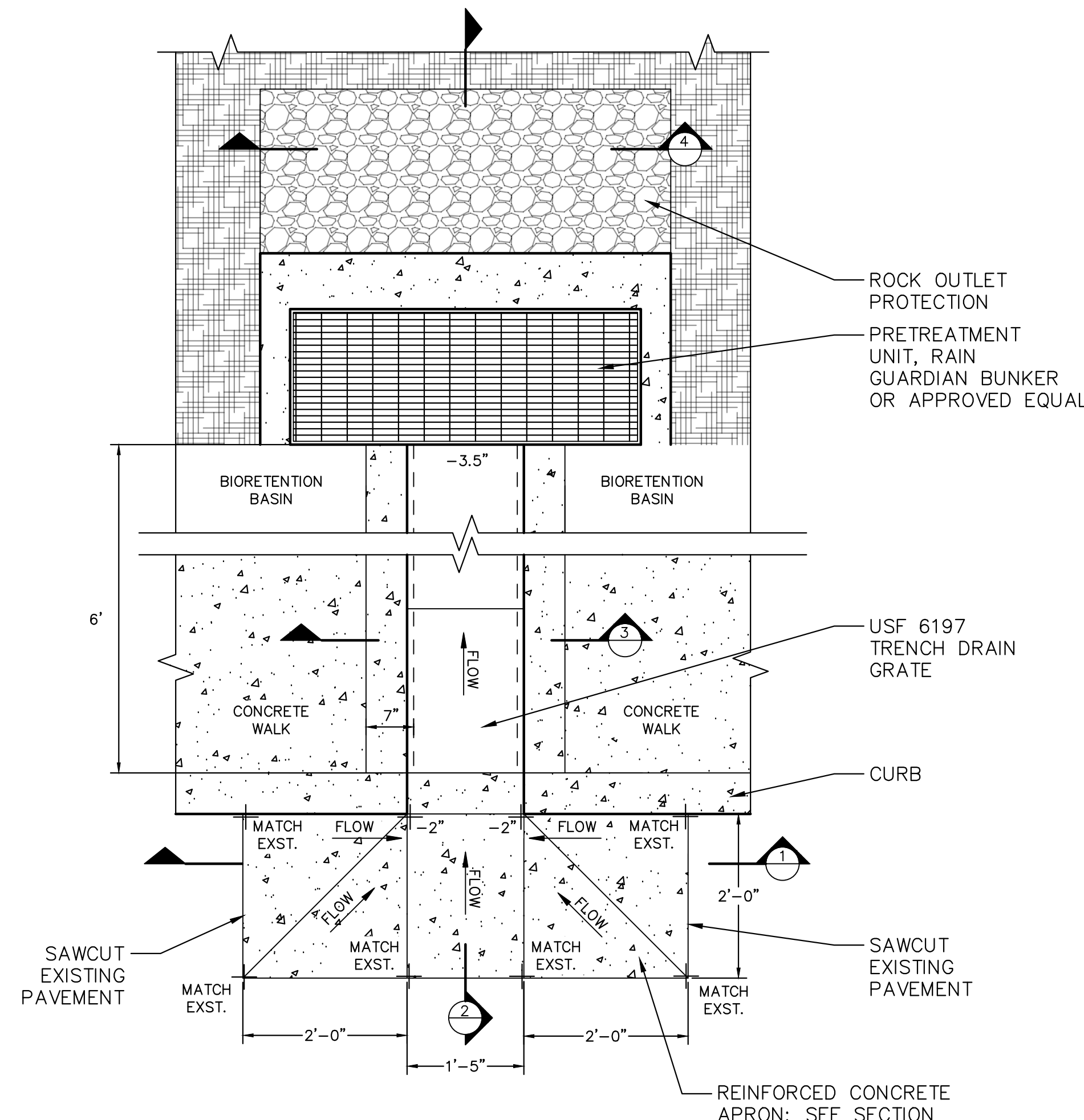
SECTION 3
CURB CUT



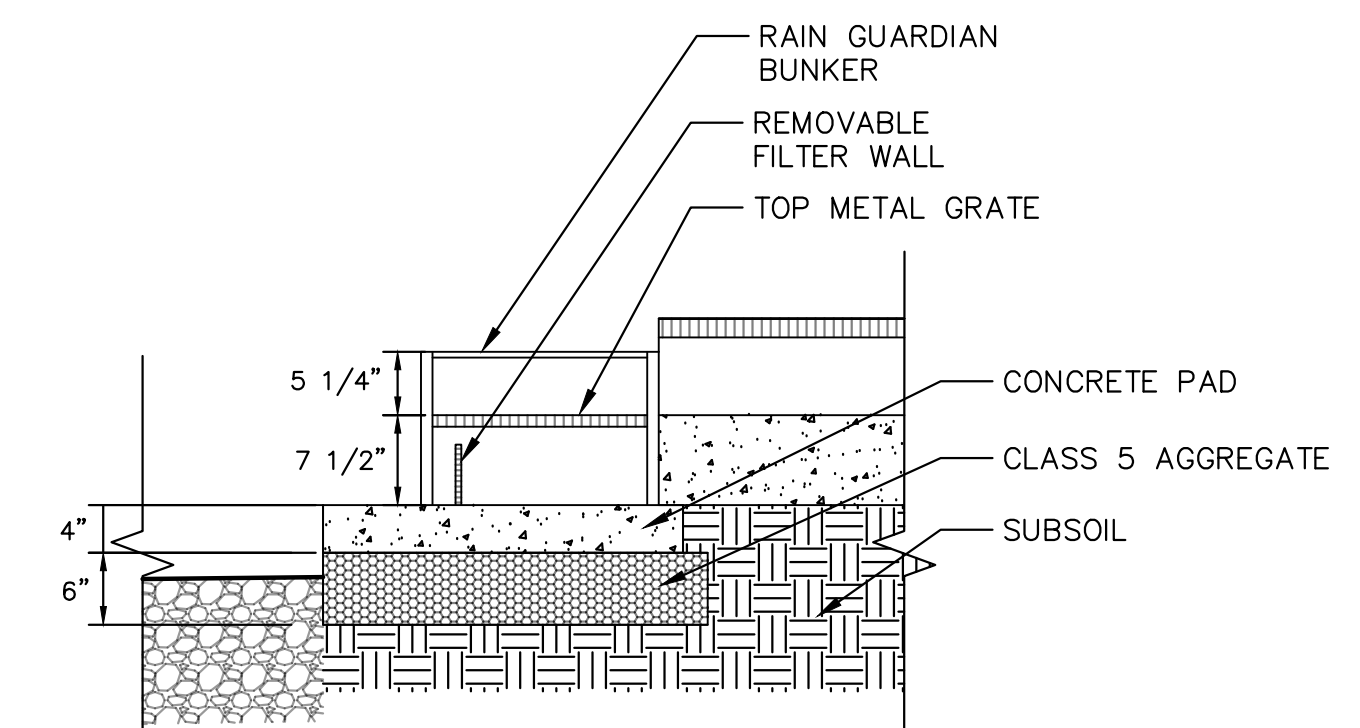
SECTION 4
ROCK OUTLET PROTECTION



1 RUNNEL A (BROADWAY AVENUE)
SCALE: NTS



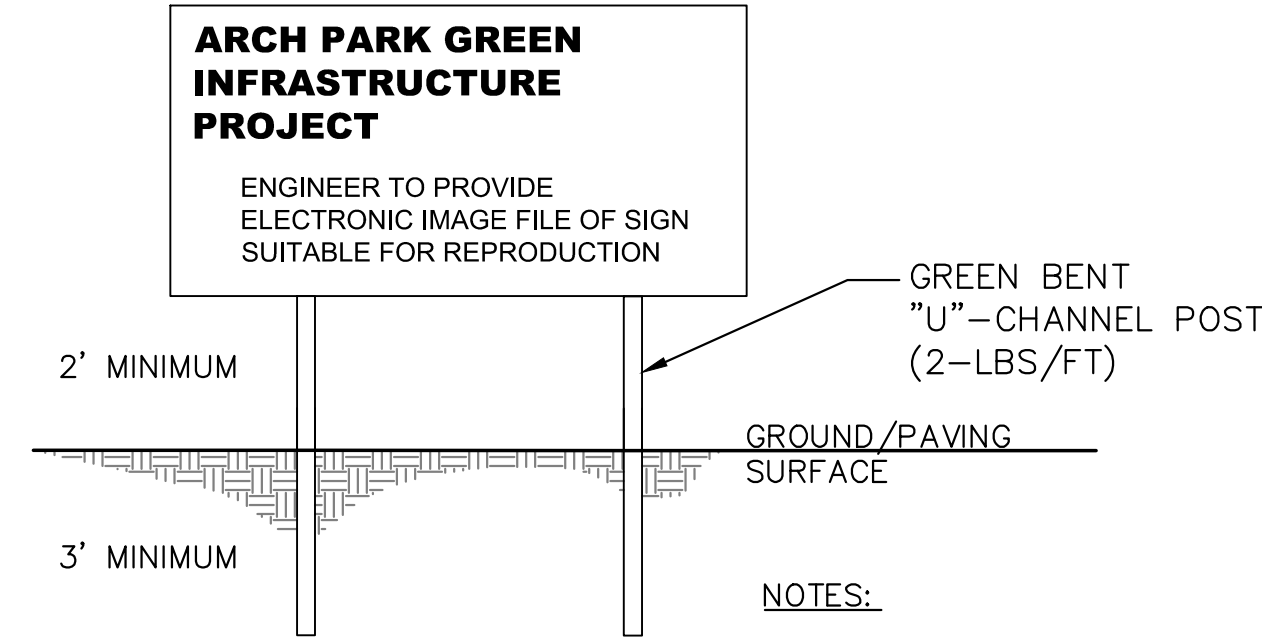
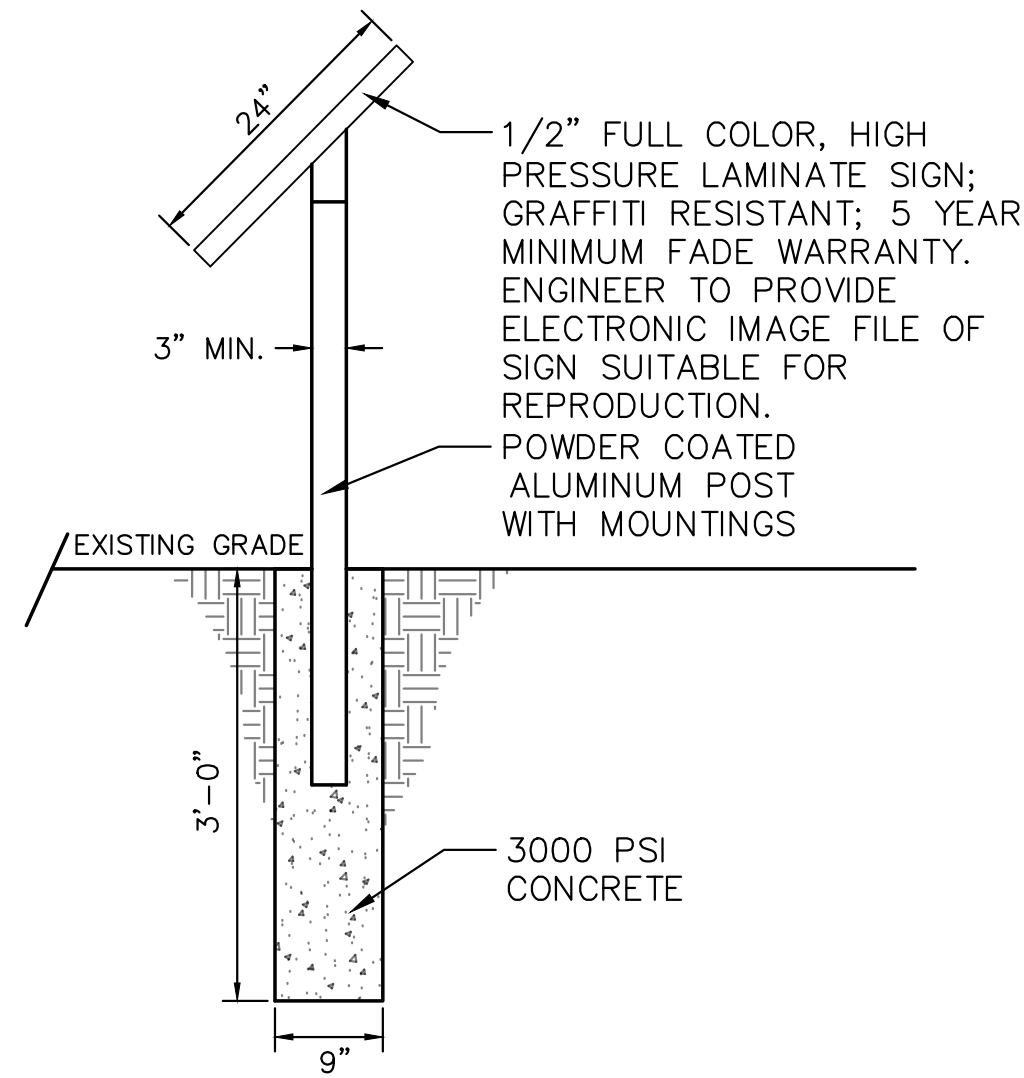
2 RUNNEL B (E. 49TH STREET)
SCALE: NTS



3 BUNKER
SCALE: NTS

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 Checked: _____
 Designer: _____
 Project Management Initials: _____
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I/R	DATE	DESCRIPTION
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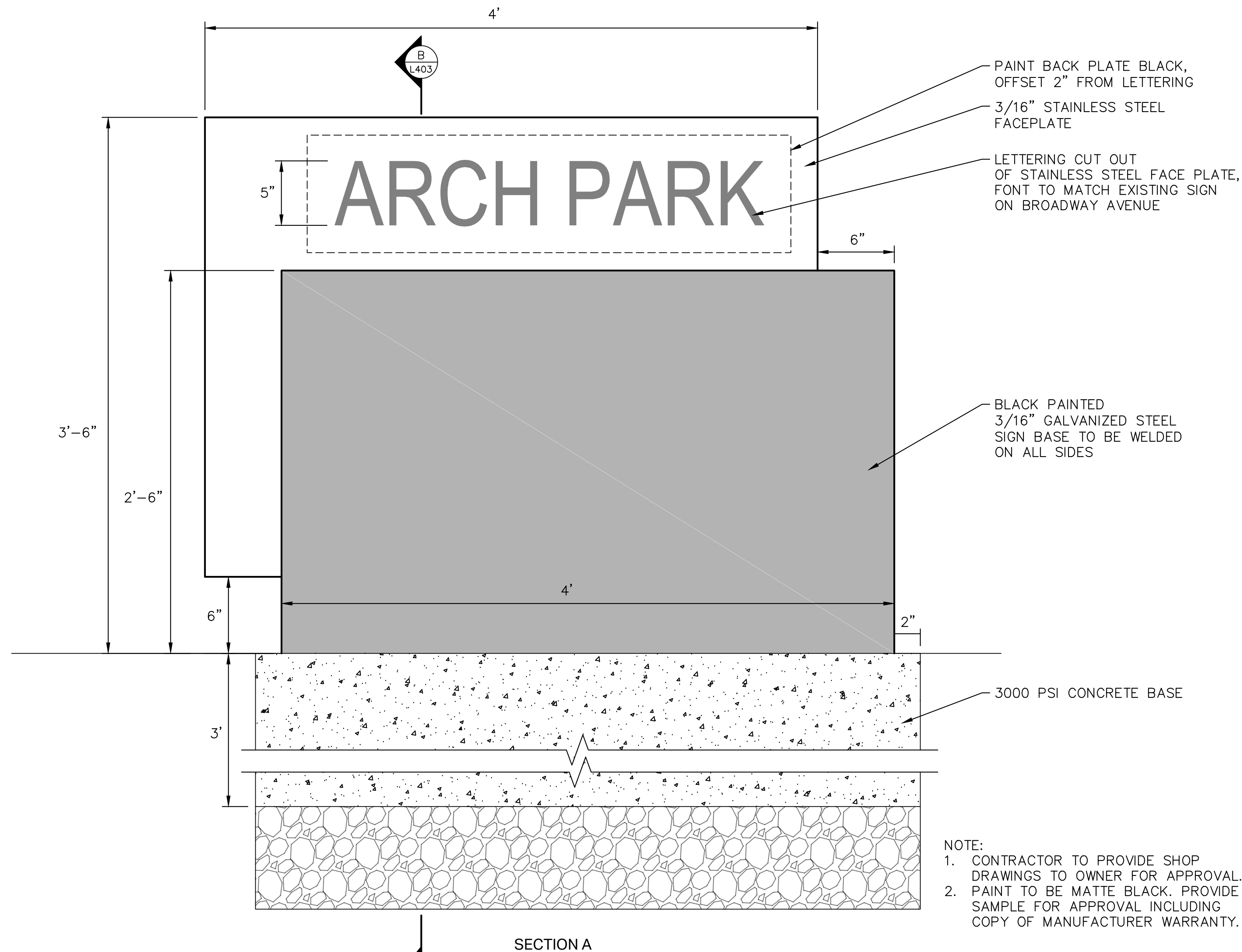
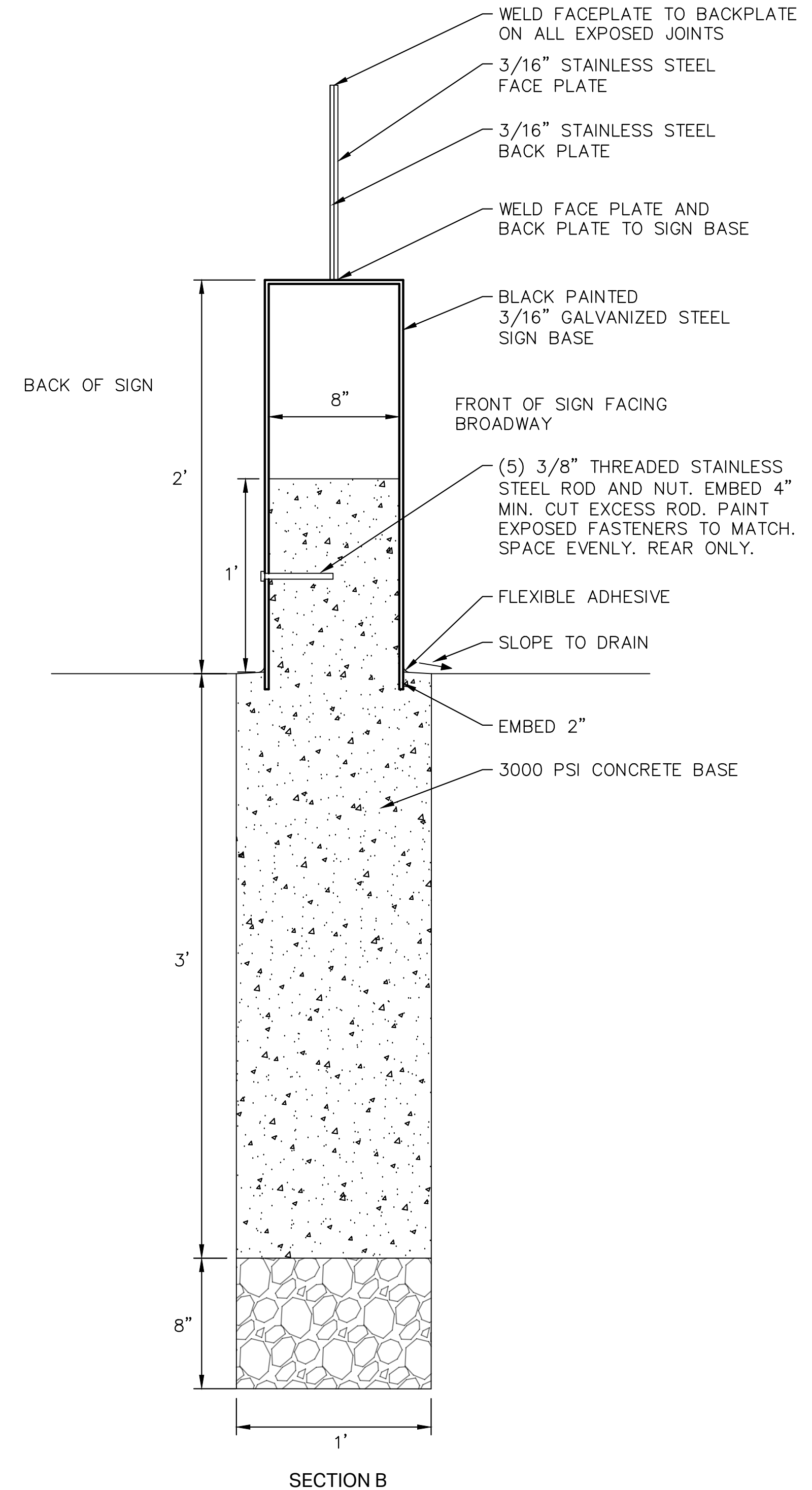


NOTES:

- SIGN TO BE RAIN PROOF
- CONTRACTOR TO REMOVE SIGN AT COMPLETION OF CONSTRUCTION
- MINIMUM SIGN DIMENSIONS: (2'X4'X3/4") EXTERIOR PLYWOOD(A-B GRADE)

1 INTERPRETIVE SIGN
SCALE: 3/4"=1'-0"

2 TEMPORARY CONSTRUCTION SIGN
SCALE: NTS



NOTE:

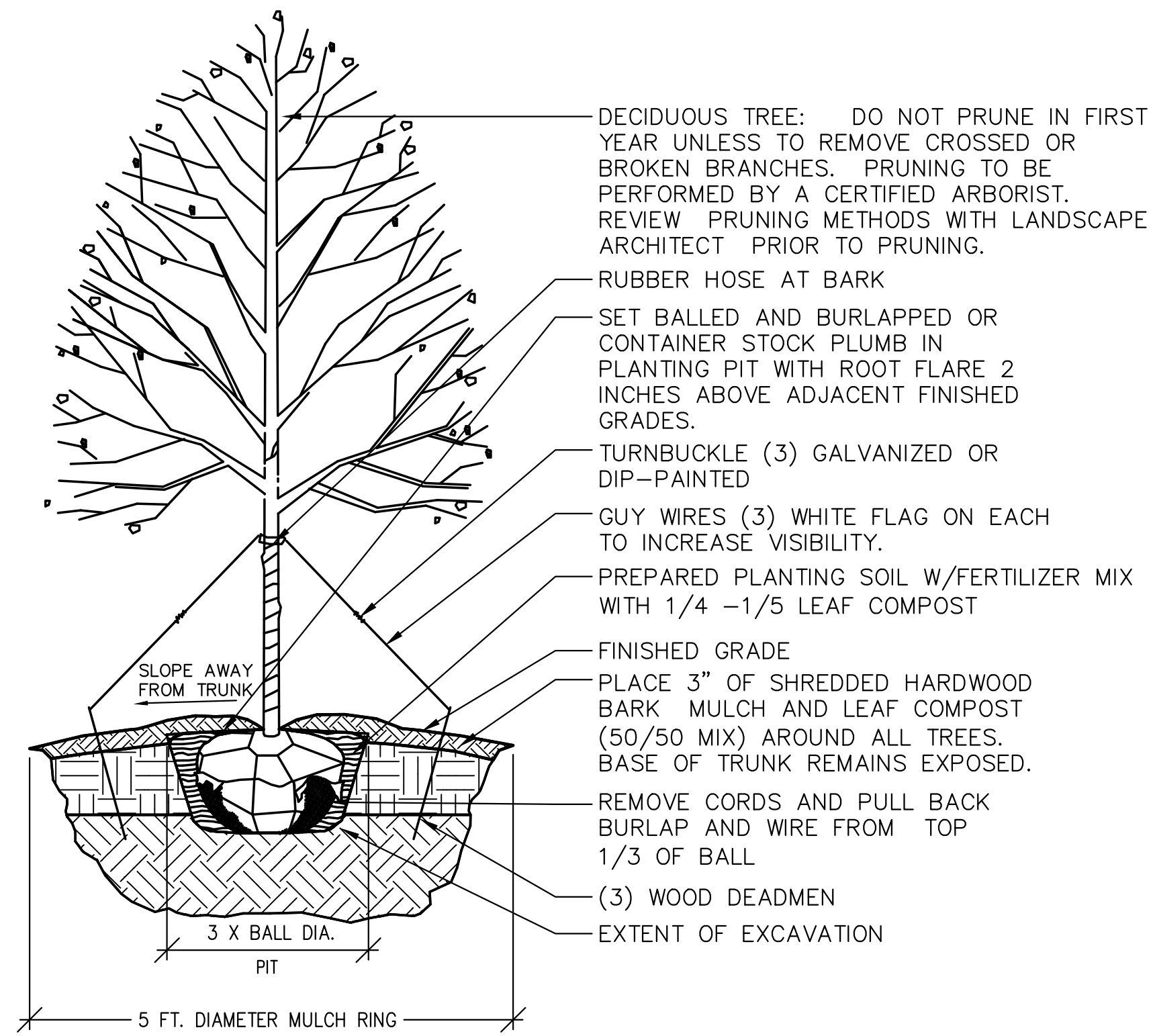
- CONTRACTOR TO PROVIDE SHOP DRAWINGS TO OWNER FOR APPROVAL.
- PAINT TO BE MATTE BLACK. PROVIDE SAMPLE FOR APPROVAL INCLUDING COPY OF MANUFACTURER WARRANTY.

3 ENTRANCE SIGN (BROADWAY AVE)
SCALE: NTS

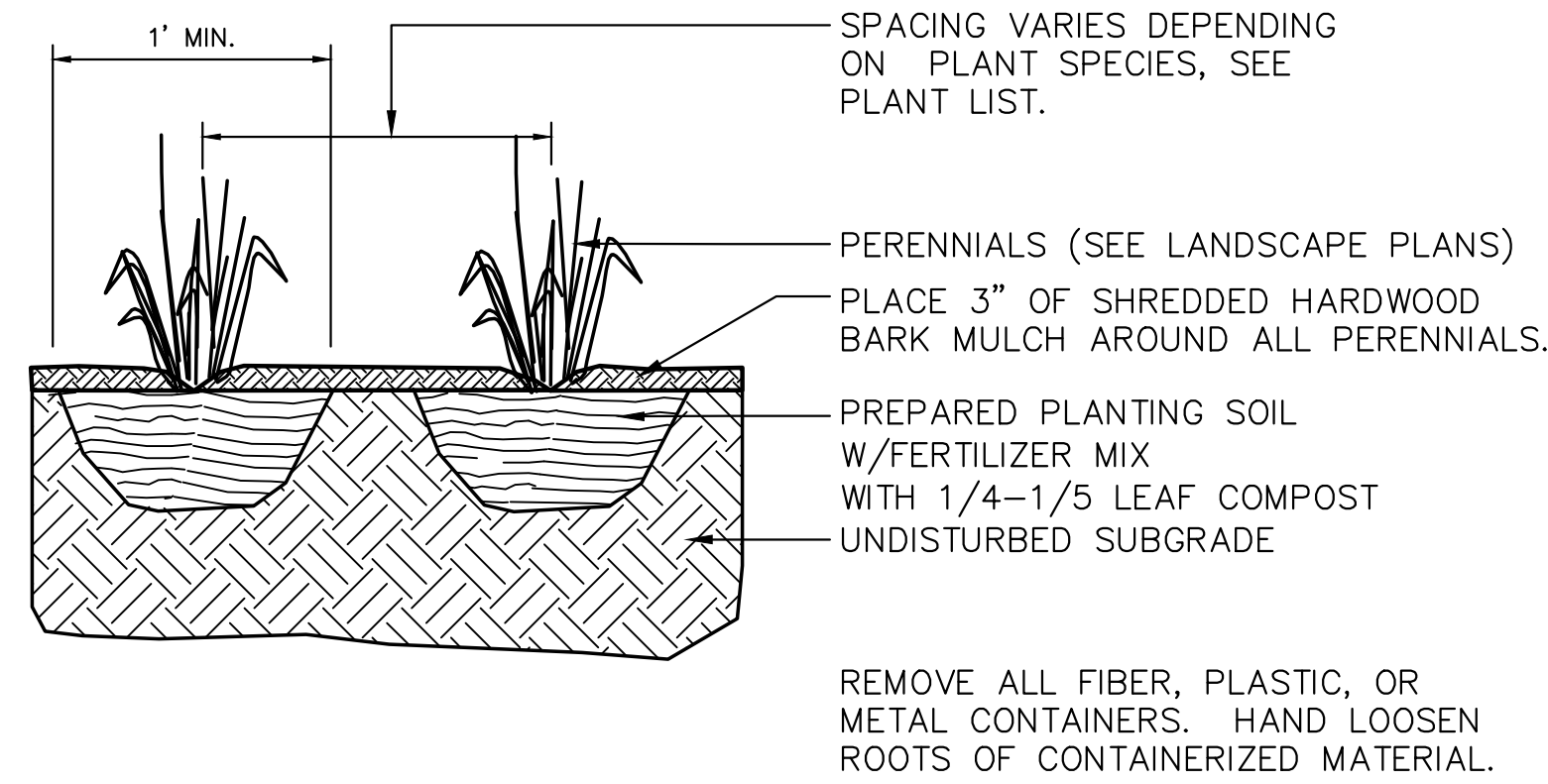
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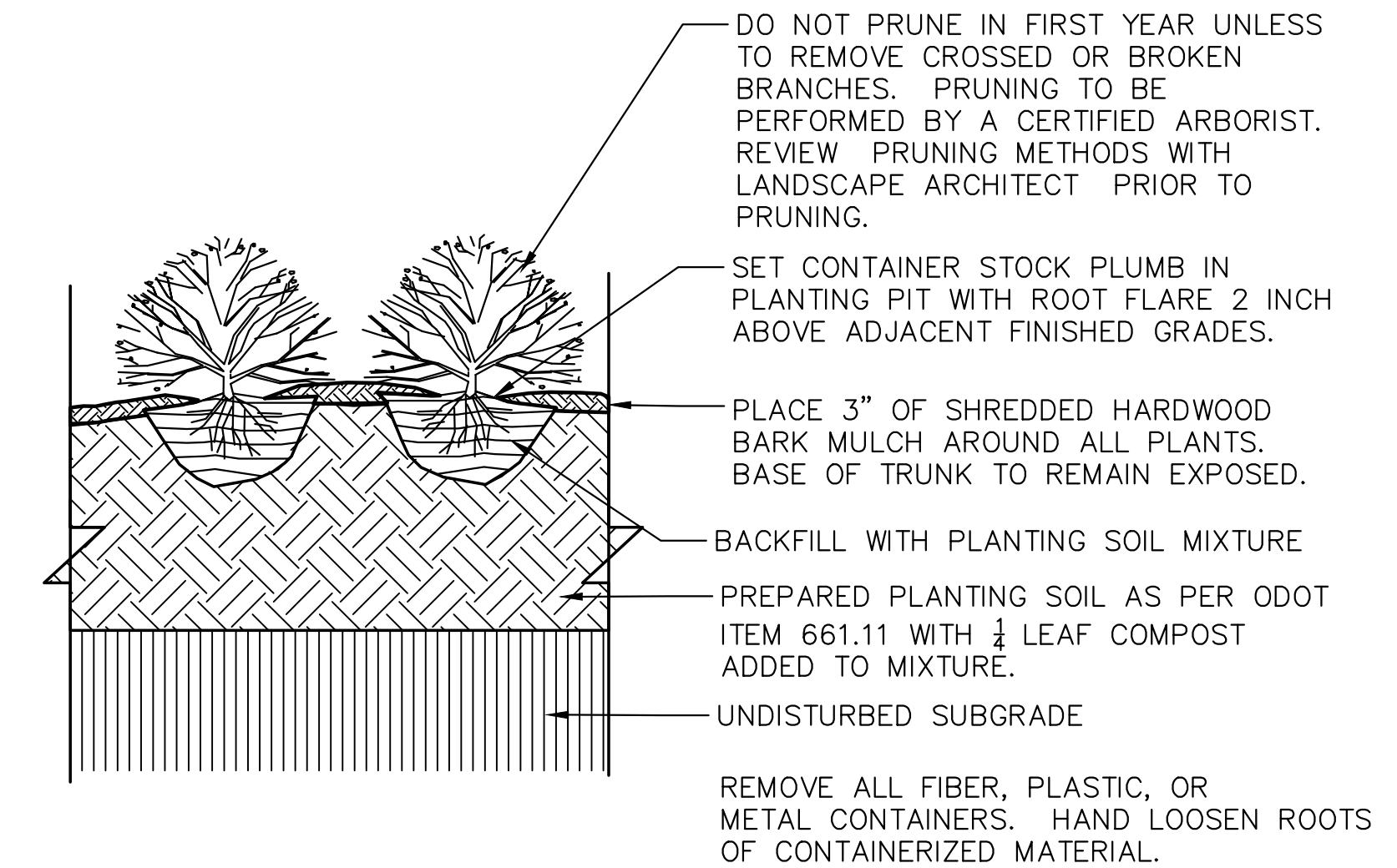
I/R	DATE	DESCRIPTION
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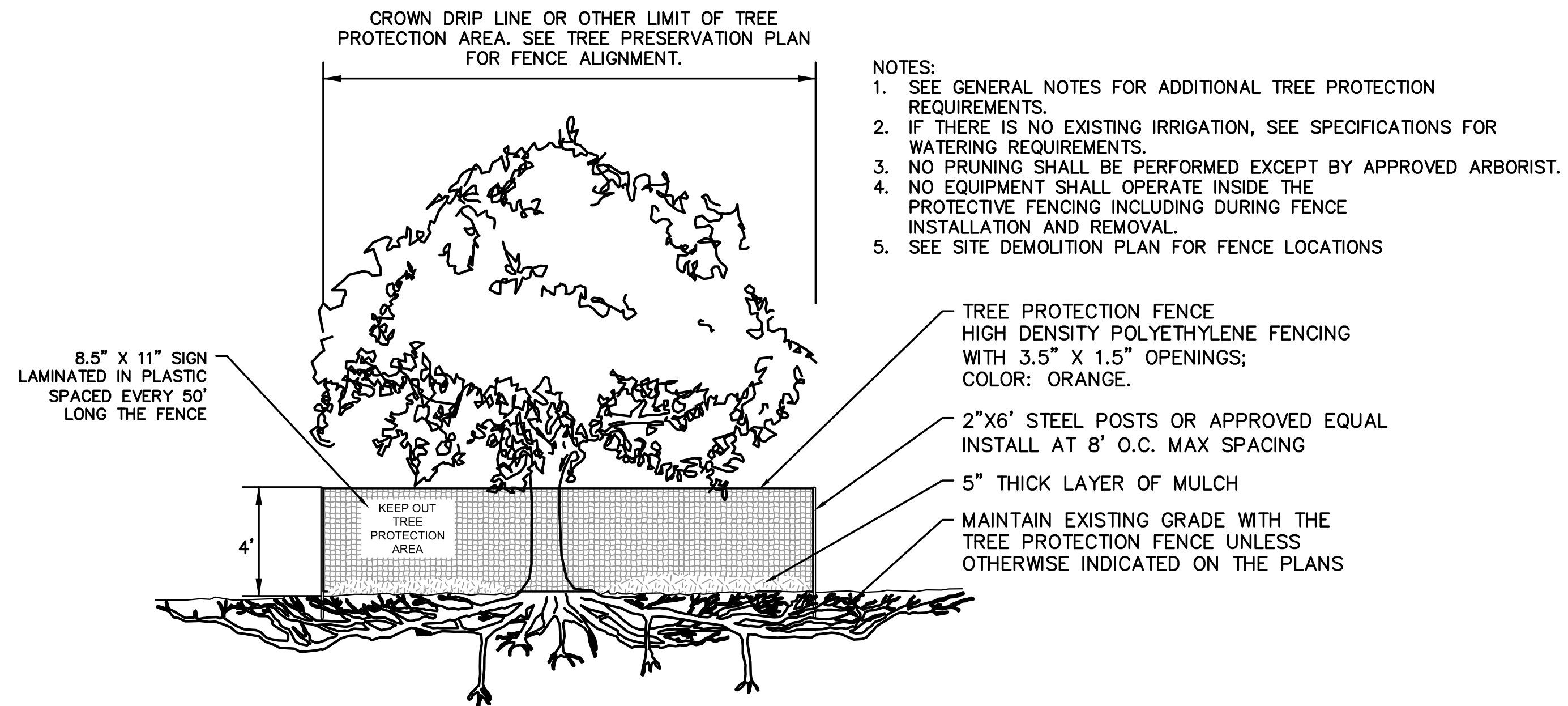
1 DECIDUOUS TREE PLANTING DETAIL
SCALE: NTS



2 PERENNIAL PLANTING DETAIL
SCALE: NTS



3 SHRUB PLANTING DETAIL
SCALE: NTS



4 TREE PROTECTION FENCE
SCALE: 1/4" = 1'-0"

- NOTES:
1. SEE GENERAL NOTES FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
 2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
 3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING INSTALLATION AND REMOVAL.
 5. SEE SITE DEMOLITION PLAN FOR FENCE LOCATIONS

PLANT LIST							
TREES AND SHRUBS							
KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITIO N	SPACING	NOTE
AR	9	ACER RUBRUM	RED MAPLE	2" CAL.	B&B	AS SHOWN	
CC	3	CERCIS CANADENSIS	EASTERN REDBUD	1.5" CAL.	B&B		
HM	25	HYDRANGEA MACROPHYLLA 'ENDLESS SUMMER'	ENDLESS SUMMER HYDRANGEA	NO. 5	CONT.		
IV	23	ILEX VERTICILLATA	WINTERBERRY	24" HT.	B&B	AS SHOWN	
PERENNIALS							
KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITIO N	SPACING	NOTE
CA	80	CALAMAGROSTIS X ACUTIFLORA	KARL FOERSTER GRASS	NO. 2	CONT.	AS SHOWN	
CL	90	CAREX LURIDA	BOTTLEBRUSH SEDGE	NO. 1	CONT.		
CV	90	CAREX VULPINOIDEA	FOX SEDGE	NO. 1	CONT.		
IR	117	IRIS SIBIRICA 'CAESAR'S BROTHER'	CAESAR'S BROTHER SIBERIAN IRIS	NO. 2	CONT.	2' O.C.	
JE	90	JUNCUS EFFUSUS	COMMON RUSH	NO. 2	CONT.		
LO	90	LEERSIA ORYZOIDES	RICE CUT GRASS		CONT.		
LS	76	LIATRIS SPICATA	BLAZING STAR	NO. 2	CONT.		
RB	148	RUDBECKIA FULGIDA VAR. SULLIVANTII 'GOLDSTURM'	BLACK-EYED SUSAN	NO. 2	CONT.	2' O.C.	
SA	90	SCIRPUS ATROVIRENS	DARK GREEN RUSH		CONT.		
VM	188	VINCA MINOR 'BOWLES VARIETY'	BOWLES MYRTLE	NO. 1	CONT.		

REGISTRATION

ISSUE/REVISION

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	4/13/2017	BID SET
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	12/8/2016	30% OWNER REVIEW

PROJECT NUMBER

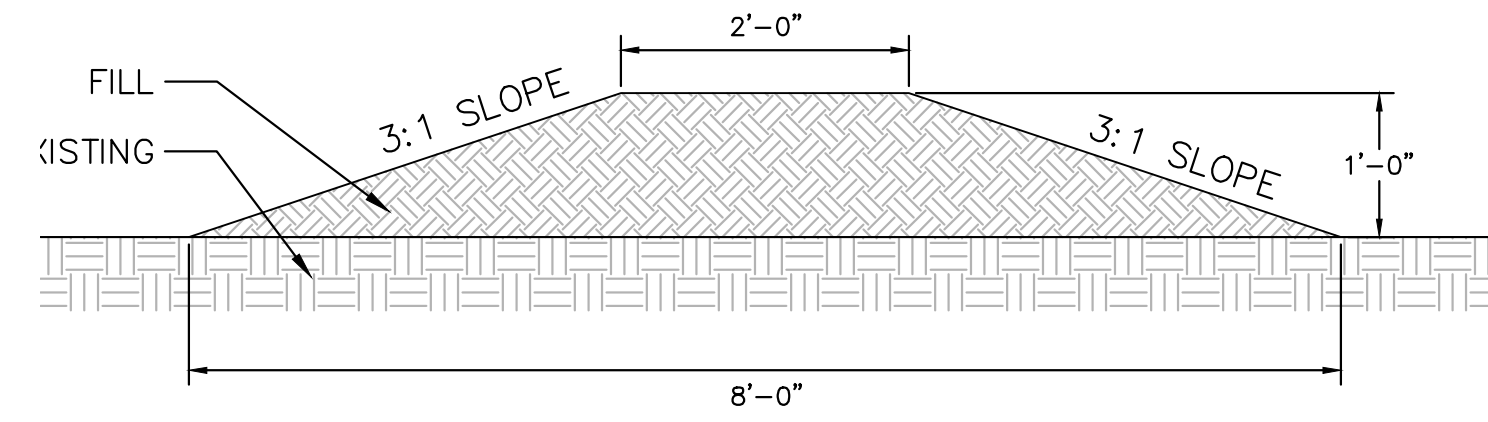
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SHEET TITLE

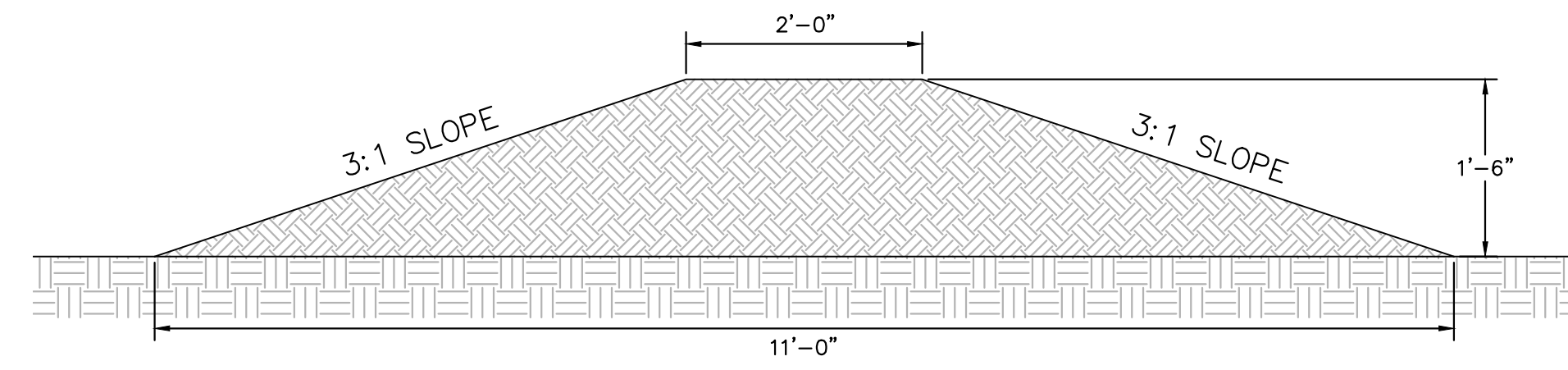
PLAY MOUND DETAILS

SHEET NUMBER

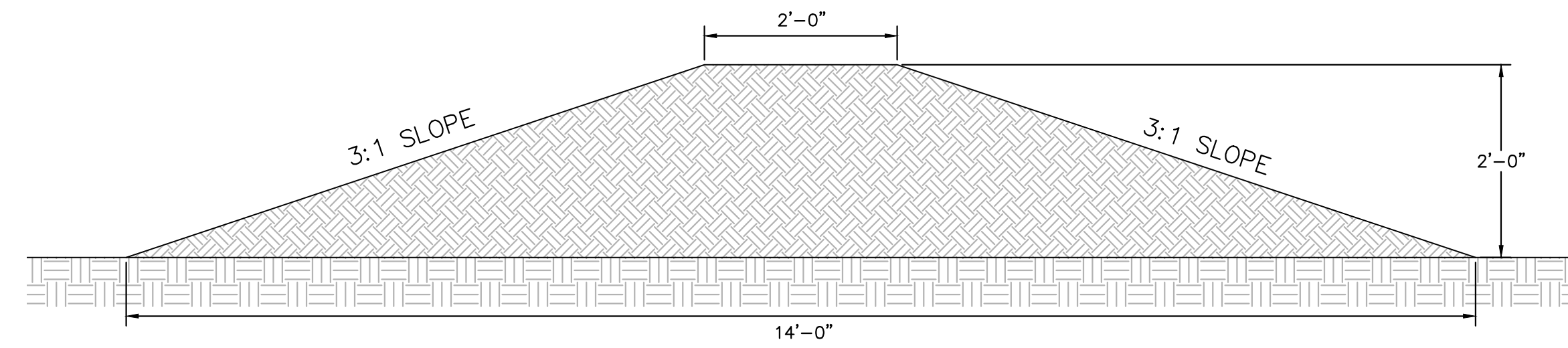
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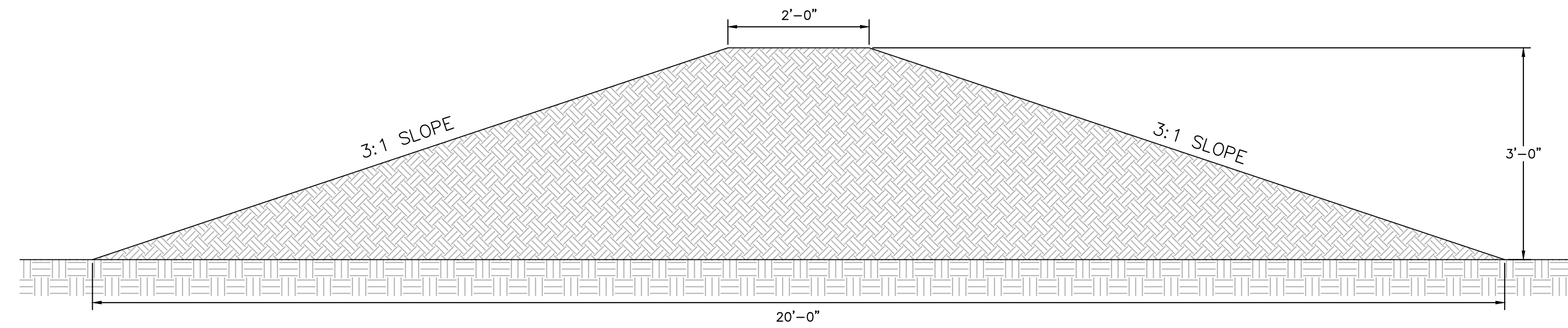
1' HIGH GRASS MOUND



1-1/2' HIGH GRASS MOUND



2' HIGH GRASS MOUND



3' HIGH GRASS MOUND

1 GRASS PLAY MOUNDS
SCALE: NTS

Approved: _____
Checked: _____
Designer: _____
Project Management Initials: _____

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60520994

CONSTRUCTION DETAILS

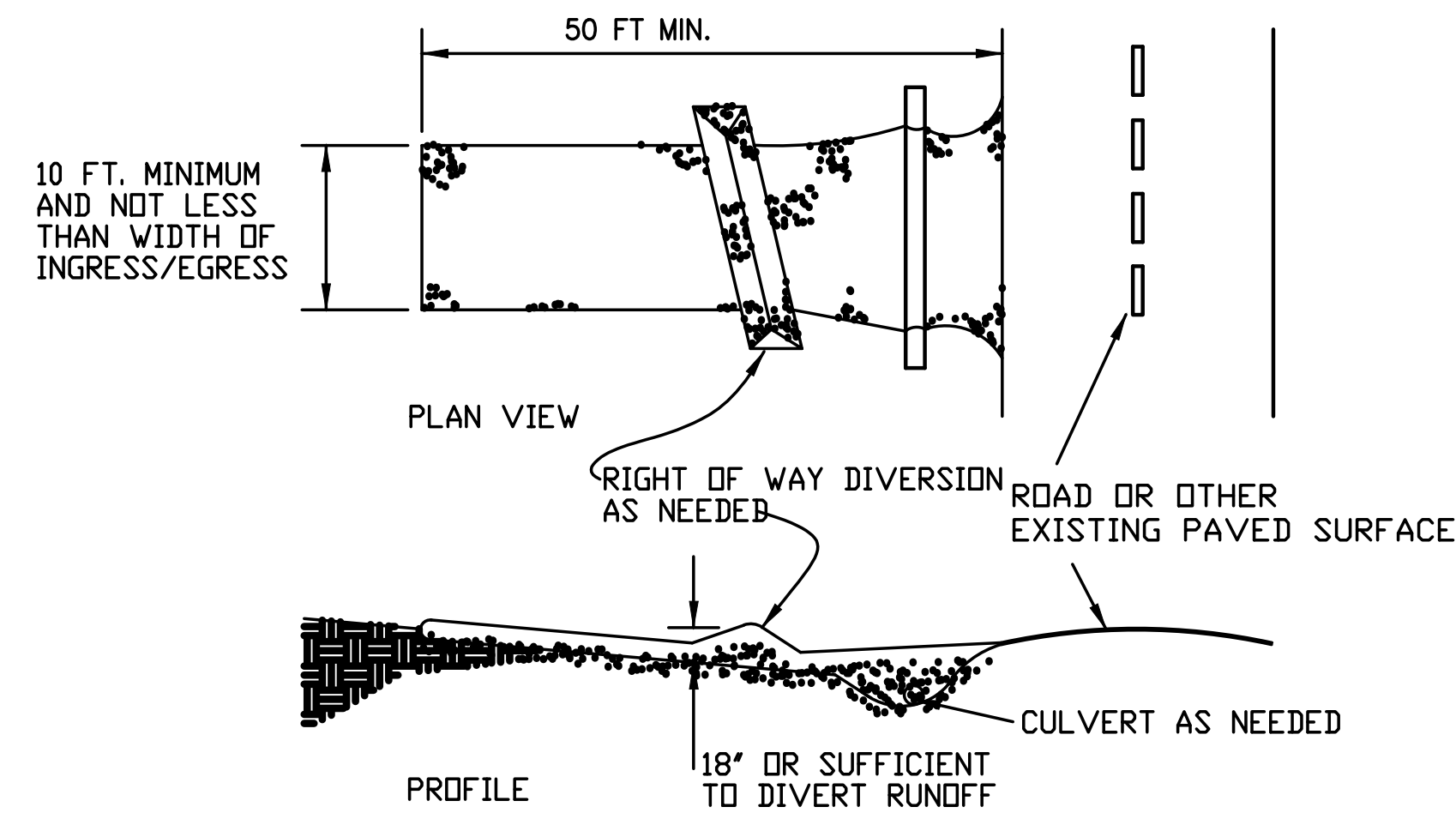
L406

GENERAL NOTE:

1. TEMPORARY CONSTRUCTION ENTRANCES MUST BE INSTALLED AT EACH CONSTRUCTION TRAFFIC ENTRANCE / EXIT. THESE LOCATIONS WILL BE COORDINATED BY THE CONSTRUCTION MANAGER.
2. CONTRACTOR TO WASH OFF WHEELS IN GRAVEL CONSTRUCTION ENTRANCE PRIOR TO ENTERING CITY STREETS. IF MUD ACCUMULATES IN STREETS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN STREETS AS REQUESTED BY THE CITY OR CONSTRUCTION MANAGER.

DESCRIPTION

A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEOTEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.



SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

1. STONE SIZE--TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FEET. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FOOT MINIMUM LENGTH APPLIES).
3. THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK.
4. WIDTH--THE ENTRANCE SHALL BE AT LEAST 10 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. BEDDING--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
6. CULVERT--A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. WATER BAR--A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE--TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

1 CONSTRUCTION ENTRANCE DETAIL

SCALE: NTS