

LOCATION MAP





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#### SITE DATA

TOTAL EXISTING SITE ACREAGE \_\_\_\_\_\_7.536 ± ACRES

TOTAL DEVELOPMENT PLAN ACREAGE \_\_\_\_\_\_ 4.567 ± ACRES

LOT 1	0.269 ACRES
LOT 2	0.220 ACRES
LOT 3	0.247 ACRES
LOT 4	0.229 ACRES
LOT 5	0.242 ACRES
LOT 6	0.231 ACRES
LOT 7	0.265 ACRES
LOT 8	0.262 ACRES
LOT 9	0.266 ACRES
LOT 10	2.336 ACRES

RESERVES 2.969 ACRES

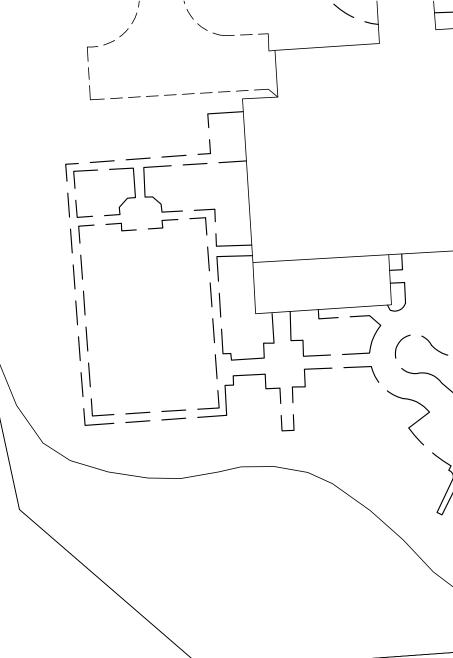
ZONING	_ PLANNED UNIT DEVELOPMENT DISTRICT (PUD)
FLOODPLAIN STATUS	ZONE "X"
EXISTING USE	NONE
PROPOSED USE	SINGLE FAMILY
DWELLING UNITS	9 BUILDINGS
PRE -IMPERVIOUS AREA	1.68 ACRES
POST-IMPERVIOUS AREA	2.51 ACRES

**NOTE:** SEE STORM WATER MANAGEMENT MEMO FOR STORM INFORMATION.

#### **PROJECT OWNER / DEVELOPER**

SIMONETTI DEVELOPMENT COMPANY, LLC 7115 CALABRIA PLACE DUBLIN, OHIO 43016 P: (614) 361-1606

## PLANS PREPARED BY: Jobes Henderson & ASSOCIATES



EX. LAKE



DATE

# **SITE CONSTRUCTION DOCUMENTS FOR:**

# TARTAN WEST

**CITY OF DUBLIN, UNION COUNTY, OHIO RESERVE Y** LOT 9 LOT 8 EX. BLDG **RESERVE Z** LOT 7 LOT 10 TERRAZZA PLACE EX. BLDG **RESERVE BB** LOT 1 COURT LOT 2 LOT 6 **RESERVE AA** ςΟ S **RESERVE AA** LOT 5 LOT 3 LOT 4 **RESERVE AA** APPROVALS THE STANDARD DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF STANDARD CONSTRUCTION DRAWINGS **CITY OF DUBLIN CITY OF COLUMBUS** 5/1/2014 L-1003 5/14/2013 L-7001 5/16/2013 MD-02 CITY ENGINEER, CITY OF DUBLIN, OH 5/14/2013 L-7103 11/05/2015 RD-07 L-1004 5/1/2014 PAUL A. HAMMERSMITH, P.E.

5/14/2013 L-9002E

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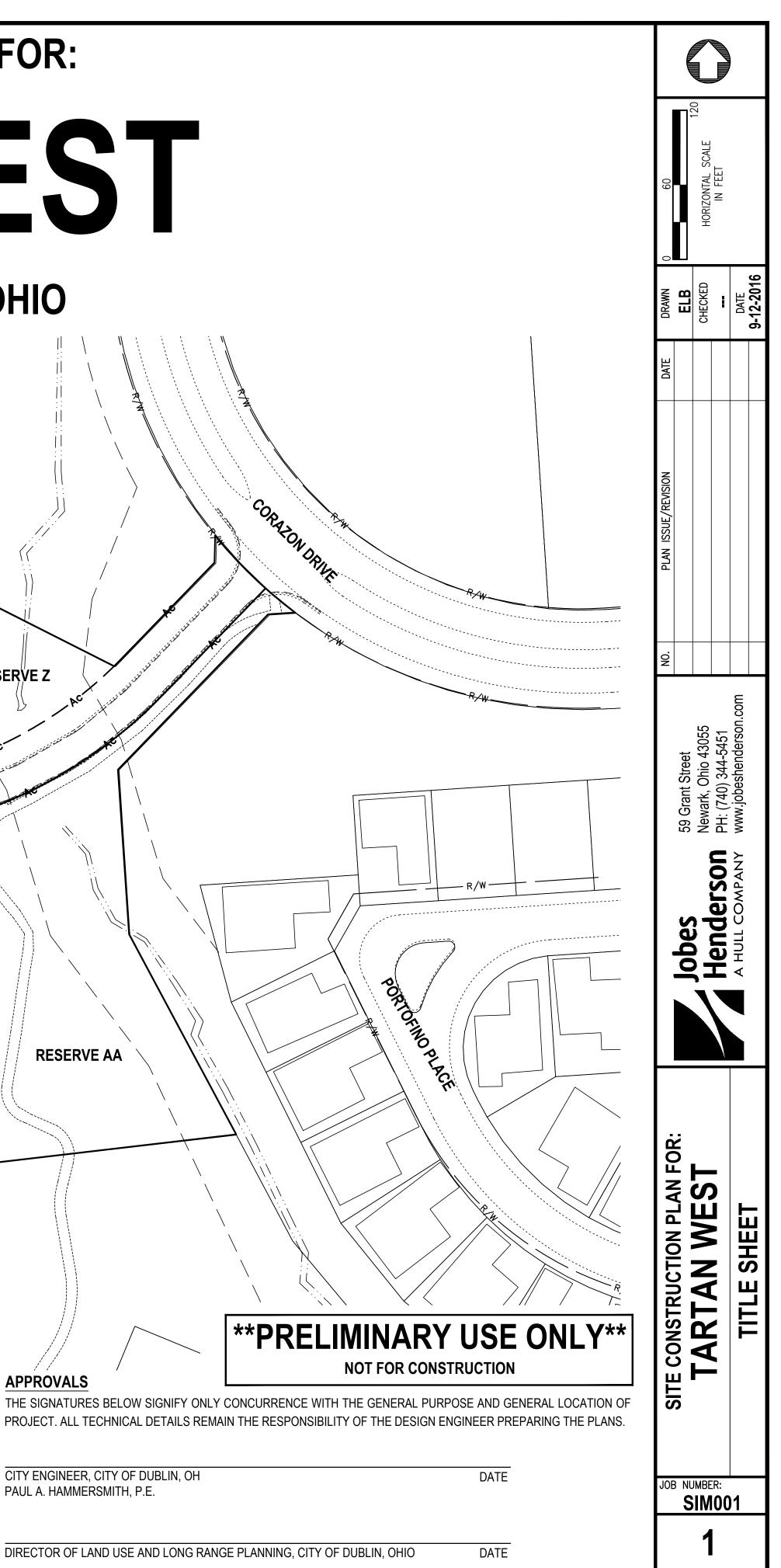
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L-6316A

5/16/2013

DIRECTOR	OFI	ISE /



#### SPECIFICATION

CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE MORE STRICT SPECIFICATION WILL APPLY AS DECIDED BY THE CITY ENGINEER. ITEM NUMBERS LISTED REFER TO CITY OF COLUMBUS ITEM NUMBERS UNLESS OTHERWISE NOTED.

#### CONTRACTOR RESPONSIBILITY

THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS INCLUDING BUT NOT LIMITED TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.

THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

#### SAFETY

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

#### **AS-BUILT SURVEY**

FOLLOWING COMPLETION OF CONSTRUCTION OF THE SITE IMPROVEMENTS AND BEFORE REQUESTING OCCUPANCY, A PROOF SURVEY SHALL BE PROVIDED TO THE DIVISION OF ENGINEERING THAT DOCUMENTS "AS\_BUILT" ELEVATIONS, DIMENSIONS, SLOPES AND ALIGNMENTS OF ALL ELEMENTS OF THIS PROJECT. THE PROOF SURVEY SHALL BE PREPARED, SIGNED AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTIONS DRAWINGS.

#### BENCHMARKS

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.

#### NON-RUBBER TIRED VEHICLES

NON\_RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

#### DISTURBED AREA

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS\_SECTIONS THAT EXISTED BEFORE CONSTRUCTION.

#### STREET CLEANUP

TRACKING OR SPILLING MUD, DIRT OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE DUBLIN CODE OF ORDINANCES. ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE CITY. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

#### FLOOD HAZARD AREA

DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.

#### STREET SIGN DAMAGE

ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

#### **FIELD TILE**

ALL FIELD TILE BROKEN OR ENCOUNTERED DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

#### PRECAST CONCRETE PRODUCTS

LL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.

#### BACKFILL

BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, BIKE PATHS, ETC.) SHALL BE COMPACTED GRANULAR BACKFILL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR FLOWABLE CDF, TYPE III ACCORDING TO ITEM 636. ITEM 911 OF THE STANDARD SPECIFICATIONS SHALL BE USED ELSEWHERE.

#### PRECAST MANUFACTURERS

THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION.

SEND THE INFORMATION TO THE FOLLOWING ADDRESS:

CONSTRUCTION INSPECTION DIVISION

CITY OF COLUMBUS 1800 EAST 17TH AVENUE COLUMBUS, OHIO 43219

SEND A COPY OF THE TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS:

DIVISION OF ENGINEERING CITY OF DUBLIN 5800 SHIER RINGS ROAD DUBLIN, OHIO 43016

#### TRENCHES

ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.

#### TREE PRESERVATION

ALL TREES WITHIN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM 15 FEET FROM THE TREE TRUNK. TREES 6 - INCHES OR GREATER AT DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREES NOT INDICATED ON THE APPROVED CONSTRUCTION DRAWINGS FOR REMOVAL MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE DIVISION OF ENGINEERING.

#### **DIRECTIONAL BORING**

CONDUIT MUST BE DIRECTIONALLY BORED ACROSS STREETS INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED. PERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY OF EXISTING STREETS MUST BE OBTAINED FROM THE CITY OF DUBLIN DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION. SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, CONTROLLED DENSITY BACKFILL (TYPE III) SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL, ACCORDING TO ITEM 636 OF THE STANDARD SPECIFICATIONS.

#### TRENCHES WITHIN RIGHT-OF-WAY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.

#### **PAVEMENT CUT**

PAVEMENTS SHALL BE CUT IN NEAT. STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT. OR AS REQUIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441 DR. A AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS. HANDICAPPED RAMPS, SIDEWALKS, BIKE PATHS, PARKING LOT PAVEMENT, ETC. SHALL BE PROVIDED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS AND CITY OF DUBLIN STANDARD CONSTRUCTION DRAWINGS.

#### TREE TRIMMING

TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ARBORIST. AT THE COMPLETION OF THE PROJECT, THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN BRANCHES AS NEEDED.

DRAWING MODIFICATION

CITY OF DUBLIN.

#### INLETS

ALL INLETS SHALL BE CHANNELIZED.

#### PARK AREAS

- IMPROVED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) IMPROVED PERENNIAL RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) GERMINATION RATE: 85%
- DUBLIN, OHIO.

#### TRAFFIC CONTROL

TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ANCHOR BASE INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41.20 AND APPLICABLE CITY OF DUBLIN SPECIFICATIONS.

#### STREET SIGNS

STREET SIGNS SHALL MEET ALL CITY OF DUBLIN SPECIFICATIONS WITH LETTERING COLORED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH THE TYPE S, SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

#### UTILITIES

- THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:
- COLUMBIA GAS CITY OF DUBLIN WATER FRONTIER COMMUNICATION UNION RURAL ELECTRIC COOP TIME WARNER CABLE
- CONSTRUCTION.
- CONTINGENT DAMAGE.
- CONTRACTOR.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER.
- ENGINEERING AT 410-4637, TWO DAYS PRIOR TO BEGINNING WORK.

#### TRAFFIC CONTROL

- TO OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.
- TRAFFIC CONTROL IS IN EFFECT. POLICE CRUISERS MAY BE REQUIRED AS DIRECTED BY THE CITY ENGINEER.
- COST TO THE CITY.
- CONTROL DEVICES IN USE AT NIGHT.
- MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

#### MAIL DELIVERY

- MAILBOX SERVICES MUST BE FIRST COORDINATED WITH THE US POSTAL SERVICE AND THE HOMEOWNER.
- MAILBOXES ACCORDING TO THE REQUIREMENTS OF THE POSTAL SERVICE.

ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER,

PARK AREAS SHALL BE FINE\_GRADED AND SEEDED WITH THE FOLLOWING MIXTURE:

APPLICATION RATE: 7 LBS PER 1000 SQ FT OR AS DIRECTED BY THE DIVISION OF PARKS AND RECREATION, CITY OF

2. THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800-362-2764), PRODUCER'S UNDERGROUND PROTECTION SERVICE (TELEPHONE NUMBER 614-587-0486), AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS BEFORE START OF

3. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING

4. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE

WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION.

6. PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE CITY OF DUBLIN, DIVISION OF

1. TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING

2. ALL TRAFFIC LANES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM UNLESS AUTHORIZED DIFFERENTLY BY THE CITY ENGINEER. AT ALL OTHER HOURS THE CONTRACTOR SHALL MAINTAIN MINIMUM ONE\_LANE TWO\_WAY TRAFFIC. UNIFORMED, OFF-DUTY POLICE OFFICERS SHALL REPLACE FLAGMEN DESIGNATED BY THE OMUTCD, AND SHALL BE PRESENT WHENEVER ONE LANE, TWO WAY

3. IF THE CITY ENGINEER DETERMINES THAT THE CONTRACTOR IS NOT PROVIDING PROPER PROVISIONS FOR TRAFFIC CONTROL, THE CITY ENGINEER SHALL ASSIGN UNIFORMED, OFF\_DUTY POLICE OFFICERS TO THE PROJECT AT NO

4. STEADY\_BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC

ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS OR BUSINESSES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT FOR MAIL, PUBLIC WATER AND SANITARY SEWER SERVICE, AND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN DETAILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES. THE TRAFFIC CONTROL PLAN MUST INCORPORATE ANY TRAFFIC CONTROL DETAILS CONTAINED HEREIN. THE TRAFFIC CONTROL PLAN PROPOSED BY THE CONTRACTOR

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT US MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS. THIS RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW THE COMPLETION OF THE WORK AND SHALL ALSO INCLUDE THE RESTORATION OF MAILBOXES TO THEIR ORIGINAL LOCATION OR APPROVED NEW LOCATION. ANY RELOCATION OF

BEFORE RELOCATING ANY MAILBOXES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE

#### **EROSION AND SEDIMENT CONTROL**

- 1. THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT (NOI) TO BE REVIEWED AND APPROVED BY THE OHIO EPA. THE NOI MUST BE SUBMITTED TO OEPA 45 DAYS PRIOR TO THE START OF CONSTRUCTION AND MAY ENTITLE COVERAGE UNDER THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A PROJECT LOCATION MAP MUST BE SUBMITTED WITH THE NOI. A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA, ITEM 207 OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND THE CITY ENGINEER. AN INDIVIDUAL NPDES STORMWATER DISCHARGE PERMIT MAY BE REQUIRED. THE CONTRACTOR SHALL BE CONSIDERED THE PERMITTEE.
- 2. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT. INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS.
- 3. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT BASINS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.
- 4. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- 5. DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN SEVEN CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

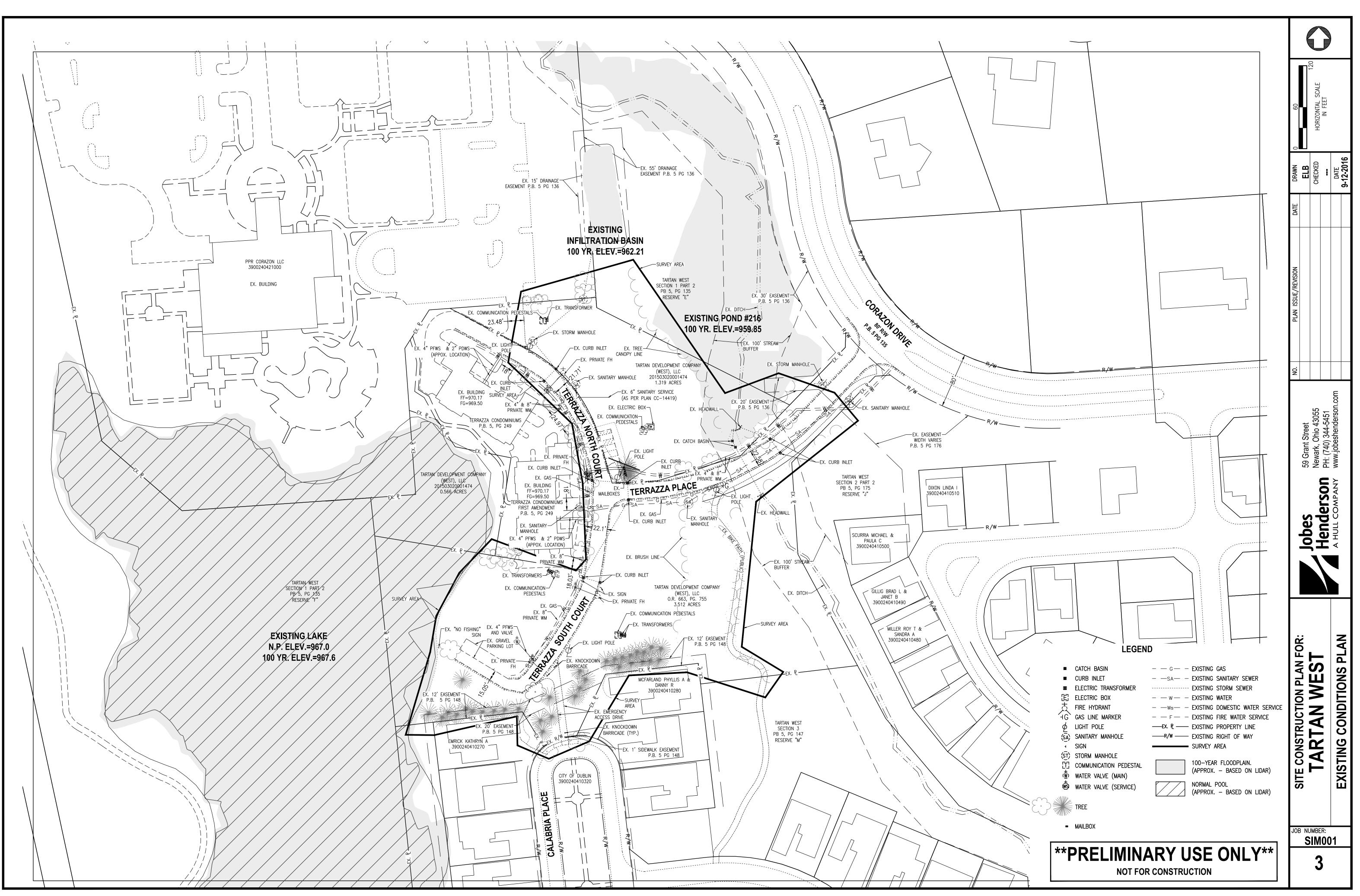
#### **USE OF FIRE HYDRANTS**

- 1. THE CONTRACTOR SHALL MAKE PROPER ARRANGEMENTS WITH THE DUBLIN SERVICE DEPARTMENT AND THE COLUMBUS DIVISION OF WATER FOR THE USE OF FIRE HYDRANTS WHEN USED FOR WORK PERFORMED UNDER THIS CONTRACT AND PROVIDE THE CITY OF DUBLIN A COPY OF THE HYDRANT USAGE PERMIT OBTAINED FROM THE CITY OF COLUMBUS. THE CONTRACTOR SHALL ALSO SEND A COPIES OF PERMITS OBTAINED FROM DUBLIN AND COLUMBUS TO THE WASHINGTON AND/OR PERRY TOWNSHIP FIRE DEPARTMENT. PERMITS SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
- 2. BEFORE THE FINAL ESTIMATE IS PAID, THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE CITY OF COLUMBUS DIVISION OF WATER TO THE CITY ENGINEER STATING THAT THE CONTRACTOR HAS RETURNED THE SIAMESE VALVE TO THE CITY OF COLUMBUS AND HAS PAID ALL COSTS ARISING FROM THE USE OF THE FIRE HYDRANTS.

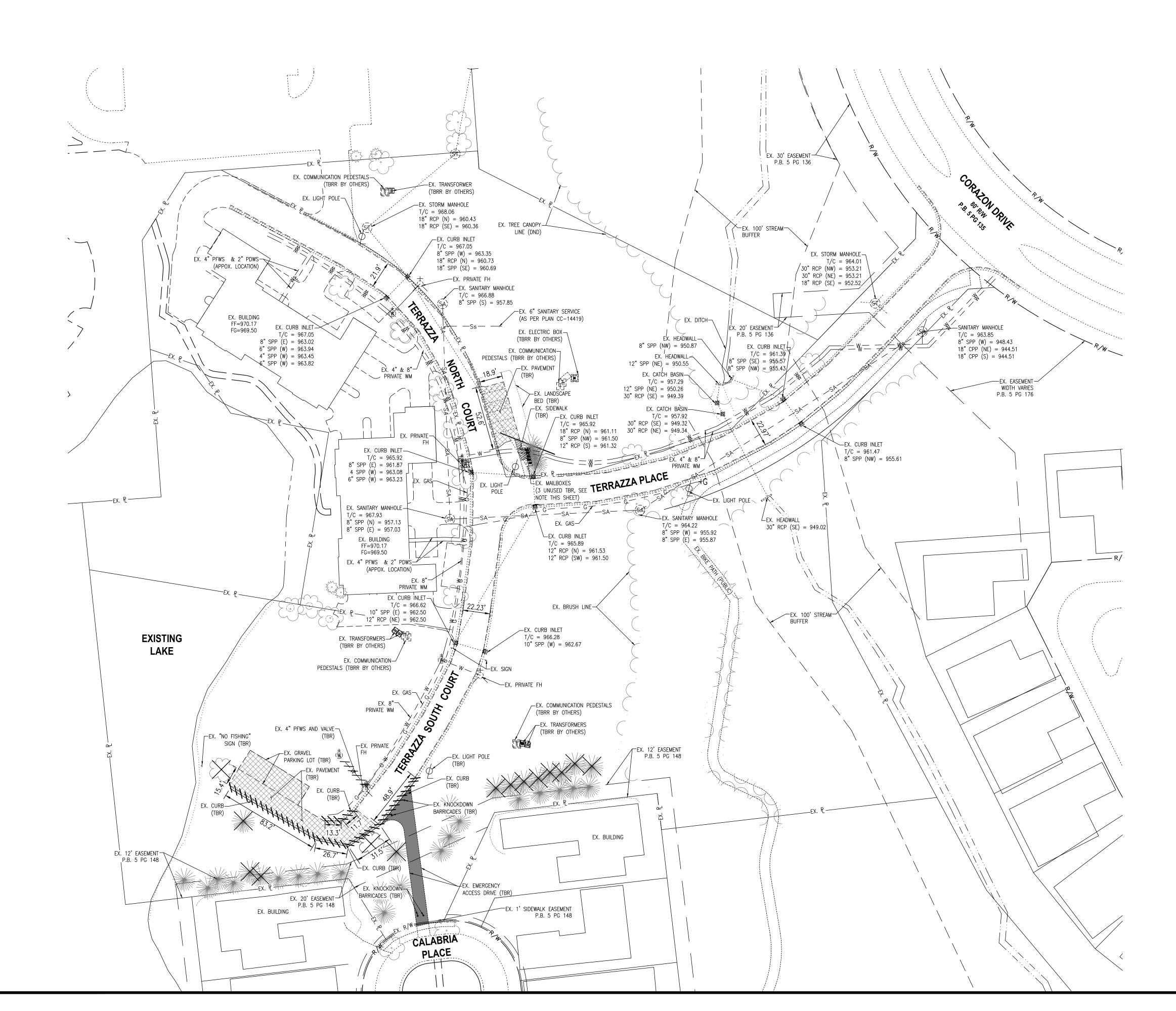
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## \*\*PRELIMINARY USE ONLY\*\*

NOT FOR CONSTRUCTION



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#### SITE NARRATIVE

#### PLAN DESIGNER:

JOBES HENDERSON & ASSOCIATES, INC. 59 GRANT STREET, NEWARK, OH 43055 P.740.344.5451 F.740.344.8659

#### OWNER / DEVELOPER:

SIMONETTI DEVELOPMENT COMPANY, LLC 7115 CALABRIA PLACE DUBLIN, OHIO 43016 P: (614) 361-1606

#### **PROJECT DESCRIPTION:**

THE SITE CONSISTS OF 7.4 ACRES OF PARTIALLY DEVELOPED RESIDENTIAL AREA. THE PROJECT WILL INCLUDE THE CONSTRUCTION OF RESIDENTIAL HOUSING WITH WATER AND SANITARY UTILITIES.

#### **RECEIVING STREAM:**

THE PROJECT DISCHARGES INTO A EXISTING STORMWATER BASIN TO THE NORTH OF THE PROPERTY. THE CONTROLLED DISCHARGE THEN OUTLETS TO AN EXISTING DITCH TO THE NORTHEAST OF THE SITE.

#### **ADJACENT AREAS:**

THE SITE IS BORDERED TO THE WEST BY A POND, TO THE SOUTH BY A RESIDENTIAL SUBDIVISION, TO THE EAST BY WOODS, AND TO THE NORTH BY A HEALTH CLUB.

#### PROJECT DATA:

PRE-CONSTRUCTION IMPERVIOUS AREA	2.91 AC.
PRE-CONSTRUCTION IMPERVIOUS AREA (%)	39.22 %
POST CONSTRUCTION IMPERVIOUS AREA	2.45 AC.
POST CONSTRUCTION IMPERVIOUS AREA (%)	33.02 %
PRE-CONSTRUCTION RUNOFF COEFFICIENT	0.75
POST CONSTRUCTION RUNOFF COEFFICIENT	0.7
PROJECT EARTH DISTURBED AREA	2.5 AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	2.5 AC.
NOTICE OF INTENT EARTH DISTURBED AREA	2.5 AC.

#### **SOILS:** THE FOLLOWING SOILS ARE PRESENT ONSITE:

Ble1A1 - Blount silt loam, end moraine, 0 to 2 percent slopes

Gwd5C2 - Glynwood clay loam, 6 to 12 percent slopes, eroded

#### **GRADING REQUIREMENTS:**

THE SITE WILL BE STRIPPED OF TOPSOIL AND WILL REQUIRE CUT AND FILL OVER PORTIONS OF THE PROJECT CONSTRUCT TO SUBGRADE. THE SITE WILL BE GRADED RELATIVELY FLAT, HOWEVER IS GRADED TO DRAIN TO THE NORTH.

#### **EROSION AND SEDIMENT CONTROL MEASURES:**

EROSION AND SEDIMENT WILL BE CONTROLLED THROUGH THE USE OF INLET PROTECTION AT THE INLETS, TEMPORARY SEDIMENT CONTROL STRUCTURES, STRAW BALES, AND PERIMETER FILTER FABRIC FENCE.

#### **POST CONSTRUCTION WATER QUALITY:**

WATER QUALITY WILL BE MAINTAINED THROUGH THE USE OF THE EXISTING DETENTION BASIN ONSITE AND THE OUTLET ORIFICE.

#### **PERMANENT STABILIZATION:**

THE SITE WILL BE STABILIZED BY THE USE OF SEEDING OR SODDING.

#### MAINTENANCE:

ALL EROSION CONTROL DEVICES ARE TO BE INSPECTED BY THE CONSTRUCTION SUPERINTENDENT DAILY AND AFTER SIGNIFICANT RAINFALLS. ANY DAMAGED FACILITIES ARE TO BE REPLACED / REPAIRED IMMEDIATELY AS MAY BE NECESSARY.

#### CONSTRUCTION SEQUENCE:

- 1. ESTABLISH A DESIGNATED CONSTRUCTION ENTRANCE.
- 2. INSTALL PERIMETER FILTER FABRIC FENCE.
- REMOVE THE EXISTING VEGETATION FROM THE REMAINDER OF THE SITE AND STRIP AND STOCKPILE THE TOPSOIL.
- 4. GRADE THE SITE AS NECESSARY TO FORM THE BUILDING PADS, ROADWAYS, ETC.
- 5. FINE-GRADE AREAS AS NEEDED.
- 6. FINALIZE CONSTRUCTION OF THE BUILDINGS, LANDSCAPING, ETC.
- 7. STABILIZE ANY REMAINING DISTURBED AREAS.
- 8. WHEN PERMANENT VEGETATION AND OTHER BMP'S ARE 75% ESTABLISHED, TEMPORARY BMPS.

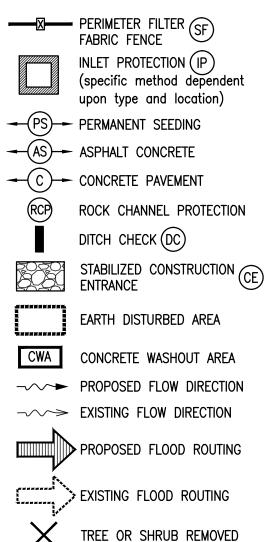
#### SCHEDULE:

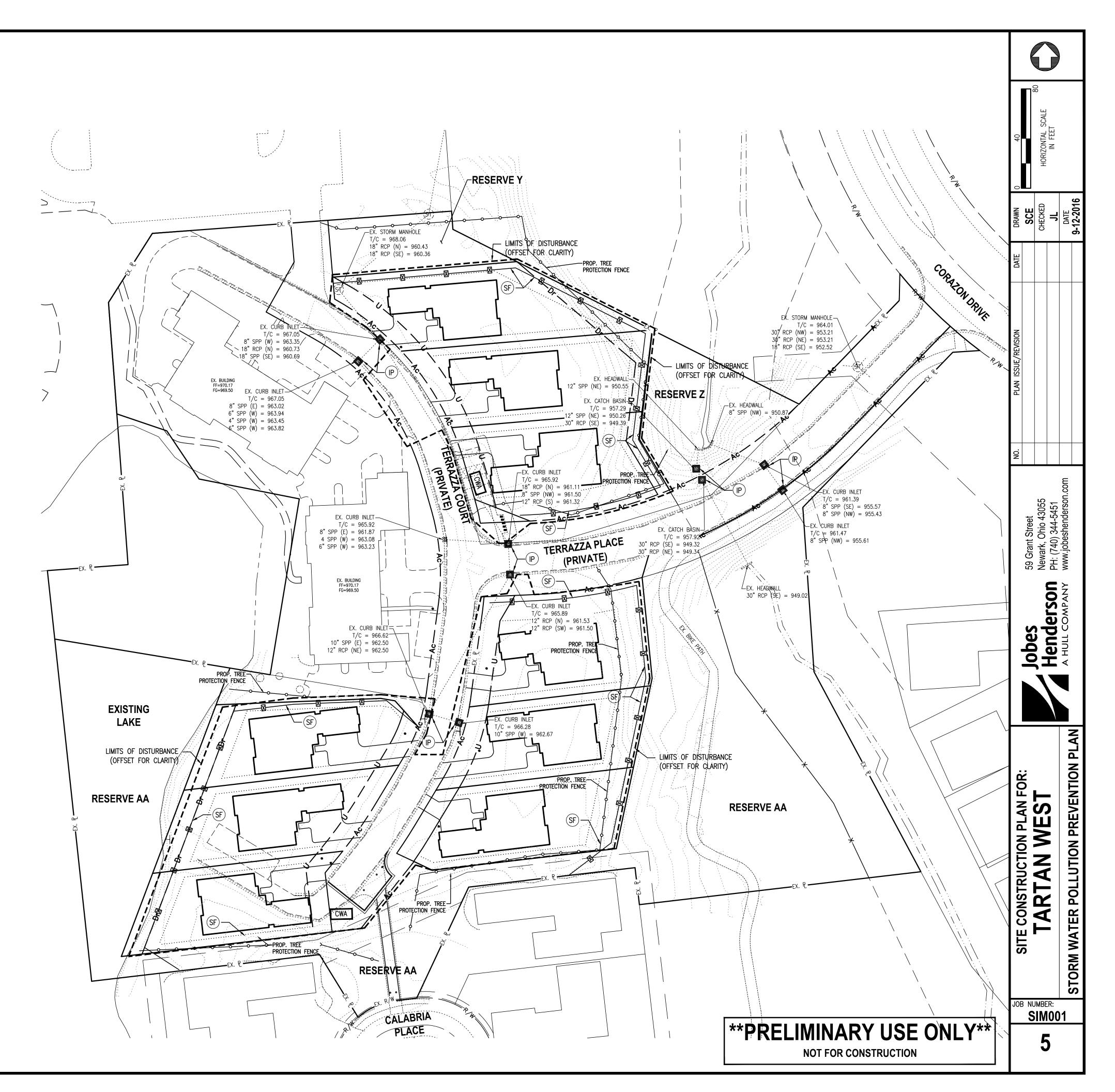
THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.

#### SITE CONTACT:

STEVE SIMONETTI SIMONETTI DEVELOPMENT COMPANY, LLC 7115 CALABRIA PLACE DUBLIN, OHIO 43016 P: (614) 361-1606

#### SWPPP LEGEND





#### SWPPP GENERAL NOTES

THE CONTRACTOR SHALL BE DESIGNATED A CO-PERMITTEE TO THE GENERAL CONSTRUCTION STORM WATER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS UNDER THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OHIO EPA) GENERAL PERMIT.

THE CONTRACTOR SHALL FILE A CO-PERMITTEE FORM. INFORMATION ABOUT THE CO-PERMITTEE FORM CAN BE FOUND AT www.epa.state.oh.us/dsw/storm/stormform.html. THE CONTRACTOR SHALL FURNISH A COPY OF THE FORM SUBMITTED TO THE OHIO EPA TO THE PROJECT OWNER, OR OWNER'S REPRESENTATIVE, AND ZONING DEPARTMENT AT OR **BEFORE THE PRE-CONSTRUCTION MEETING.** 

ALL CONTRACTOR'S AND SUB-CONTRACTORS SHALL PROVIDE SIGNATURES TO THE OWNER ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE GENERAL PERMIT AND THE SWP3. THESE SIGNATURES SHALL BE PROVIDED PRIOR TO COMMENCEMENT OF WORK ON THE CONSTRUCTION SITE.

EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO INITIAL DISTURBANCE ACTIVITIES OR AS SOON AS PRACTICAL. THE CONTRACTOR SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE OHIO EPA GENERAL PERMIT AND THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) DEVELOPED FOR THE PROJECT.

DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE PROPER SOIL EROSION MEASURES FOR PROTECTION OF ALL ADJOINING ROADS, LANDS, AND STREAMS. REFER TO O.D.N.R. MANUAL "RAINWATER AND LAND DEVELOPMENT" AND ODOT "HANDBOOK FOR SEDIMENT AND EROSION CONTROL" FOR REQUIREMENTS.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER LEAVES THE LIMITS OF THE PROJECT, ALL POINTS WHERE STORM WATER ENTERS A STREAM THAT TRAVERSES THE PROJECT, AND ALL POINTS WHERE STORM WATER ENTERS PORTIONS OF COMPLETED UNDERGROUND PIPING.

#### SWPPP UPDATES

THE SWP3 PLAN IS A DYNAMIC PLAN BASED UPON SITE CONDITIONS AND THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWP3 PLAN AS THE PROJECT PROCEEDS.

THE CONSTRUCTION BMP'S WITHIN THESE PLANS REPRESENT THE MINIMUM REQUIRED ONSITE. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ONSITE BMP'S AS THE PROJECT PROGRESSES AT NO ADDITIONAL COST OVER THE ITEMS BID.

#### INSPECTION

THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTION PERSONNEL TO CONDUCT INSPECTIONS PER PART III.G.2 OF THE GENERAL PERMIT. RECORDS OF THESE INSPECTIONS SHALL BE KEPT AND MADE AVAILABLE TO THE OWNER, THE OWNER'S REPRESENTATIVE, OR THE JURISDICTIONAL AGENCIES IF REQUESTED

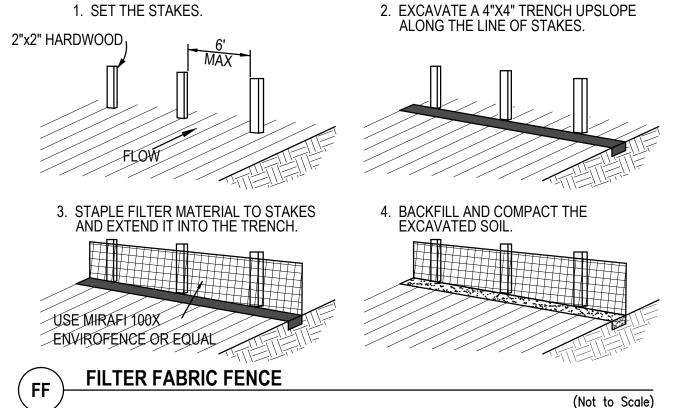
AT A MINIMUM, ALL CONTROLS ON THE SITE SHALL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24 HOUR PERIOD. INSPECTION PERIODS MAY BE REDUCED PER PART III.G.2 OF THE GENERAL PERMIT.

#### MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL TEMPORARY AND PERMANENT CONTROL PRACTICES TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.

#### TREE PRESERVATION

ANY AREA SHOWN IN THE CONSTRUCTION DRAWINGS OR ON THE STORM WATER POLLUTION PREVENTION PLAN AS A "TREE PRESERVATION" OR "TREE PROTECTION" AREA, THE CONTRACTOR SHALL ENCLOSE THE AREA WITH T-POSTS AND CONSTRUCTION FENCING.



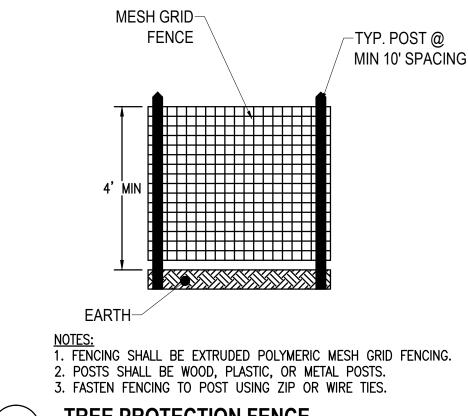
SEEDING DATES Lb / Acre March 1 128 (4 bushel) Oats Tall Fescue August 15 Annual Ryegrass 40 Perennial Ryegrass 40 Tall Fescue Annual Ryegrass 40 Annual Ryegrass 1.25 55 Perennial Ryegrass 3.25 142 Creeping Red Fescue 0.4 Kentucky Bluegrass 0.4 17 128 (3 bushel) Tall Fescue 40 annual ryegrass 40 112 (2 bushel) August 16 Rye Tall Fescue 40 November Annual Ryegrass 40 120 (2 bushel) Tall Fescue Annual Ryegrass 40 Perennial Rye 40 Tall Fescue 40 Annual Ryegrass 40 Annual Ryegrass 1.25 40 Perennial Ryegrass 40 Creeping Red Fescue 0.4 40 Kentucky Bluegrass 0.4 40 November Use mulch only or dormant seeding. Feb. 29 Note: Other approved seed species may be substituted.

TEMPORARY SEEDING

TS

#### **Mulching Temporary Seeding**

- 1. Applications of temporary seeding shall include mulch, which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates on favorable, very flat soil conditions may not need mulch to achieve adequate stabilization.
- Materials:
- Straw-If straw is used, it shall be unrotted small-grain straw applied at a rate of 2 tons per acre or 90 lbs./ 1,000 sq. ft. (2-3 bales)
- Hydroseeders-If wood cellulose fiber is used, it shall be used at 2000 lbs./ ac. or 46 lb./ 1.000-sa.-ft.
- Other—Other acceptable mulches include mulch mattings applied according to manufacturer's recommendations or wood chips applied at 6 ton/ ac.
- 3. Straw Mulch shall be anchored immediately to minimize loss by wind or water. Anchoring methods
- Mechanical—A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but left to a length of approximately 6 inches.
- Mulch Netting—Netting shall be used according to the manufacturers recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.
- Track or equivalent may be used at rates recommended by the manufacturer
- The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb. / 100 gal.





(Rainwater and Land Development rev.6-24-09) Structural erosion and sediment control practices such as diversions and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction site.

Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 21 days or greater. These idle areas shall be seeded within 7 days after grading.

The seedbed should be pulverized and loose to ensure the success of establishing vegetation. Temporary seeding should not be postponed if ideal seedbed preparation is not possible.

Soil Amendments—Temporary vegetation seeding rates shall establish adequate stands of vegetation, which may require the use of soil amendments. Base rates for lime and fertilizer shall be used.

Seeding Method—Seed shall be applied uniformly with a cyclone spreader, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on-site and the seeding shall be done immediately and without interruption.

• Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra

Wood-Cellulose Fiber—Wood-cellulose fiber binder shall be applied at a net dry wt. of 750 lb./ac.

(Not to Scale)

#### PERMANENT SEEDING PS

	Seeding	g Rate	N1 (
Seed Mix	Lbs Ac	Lbs. 1,000 Sq.Ft.	Notes:
G	ieneral U	se	
Creeping Red Fescue	20-40	$\frac{1}{2}$ -1	For close mowing
Perennial Ryegrass	10-20	$\frac{1}{4} - \frac{1}{2}$	& waterways w/ <2 ft/sec
Kentucky Bluegrass	20-40	<u>1</u> -1	
Tall Fescue	40-50	1 - 1 <u>1</u>	
Turf-type (dwarf) Fescue	90	2 <u>1</u>	
Steep Ba	inks or C	ut Slop	es
Tall Fescue	40-50	1 - 1 <u>1</u>	
Crown Vetch	10-20	$\frac{1}{4} - \frac{1}{2}$	Do not seed later
Tall Fescue	20-30	$\frac{1}{2} - \frac{3}{4}$	than August
Flat Pea	20-25	$\frac{1}{2} - \frac{3}{4}$	Do not seed later
Tall Fescue	20-30	$\frac{1}{2} - \frac{3}{4}$	than August
Road Di	tches an	d Swale	es
Tall Fescue	40-50	1 - 1 <u>1</u>	
Turf-type (dwarf) Fescue	90	$2\frac{1}{4}$	
Kentucky Bluegrass	5	0.1	
	Lawns		
Kentucky Bluegrass Perennial Ryegrass	100-120	2 2	
Kentucky Bluegrass	100-120	2	For shaded areas.
Creeping Red Fescue		$1\frac{1}{2}$	

Note: Other approved seed species may be substituted.

(Rainwater and Land Development rev.6-24-09) Site Preparation

> Subsoiler, plow, or other implement shall be used to reduce soil compaction and allow maximum infiltration. (Maximizing infiltration will help control both runoff rate and water guality.) Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture. Subsoiling shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation.

The site shall be graded as needed to permit the use of conventional Equipment for seedbed preparation and seeding. Topsoil shall be applied where needed to establish vegetation.

#### Seedbed Preparation

Lime—Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 pounds per 1,000-sq. ft. or 2 tons per acre.

Fertilizer—Fertilizer shall be applied as recommended by a soil test. In place of a soil test, fertilizer shall be applied at a rate of 25 pounds per 1,000-sg. ft. or 1000 pounds per acre of a 10-10-10 or 12-12-12 analyses.

3. The lime and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 inches. On sloping land, the soil shall be worked on the contour.

#### Seeding Dates and Soil Conditions

Seeding should be done March 1 to May 31 or August 1 to September 30. If seeding occurs outside of the above specified dates, additional mulch and irrigation may be required to ensure a minimum of 80% germination. Tillage for seedbed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

#### Dormant Seedings

- 1. Seedings should not be made from October 1 through November 20. During this period, the seeds are likely to germinate but probably will not be able to survive the winter.
- 2. The following methods may be used for "Dormant Seeding":
- From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor. After November 20, and before March 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of seeding.
- From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.
- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed.
- Where feasible, except when a cultipacker type seeder is used, the seedbed should be firmed following seeding operations with a cultipacker, roller, or light drag. On sloping land, seeding operations should be on the contour where feasible.

#### Mulching

Mulch material shall be applied immediately after seeding. Dormant seeding shall be mulched. 100% of the ground surface shall be covered with an approved material.

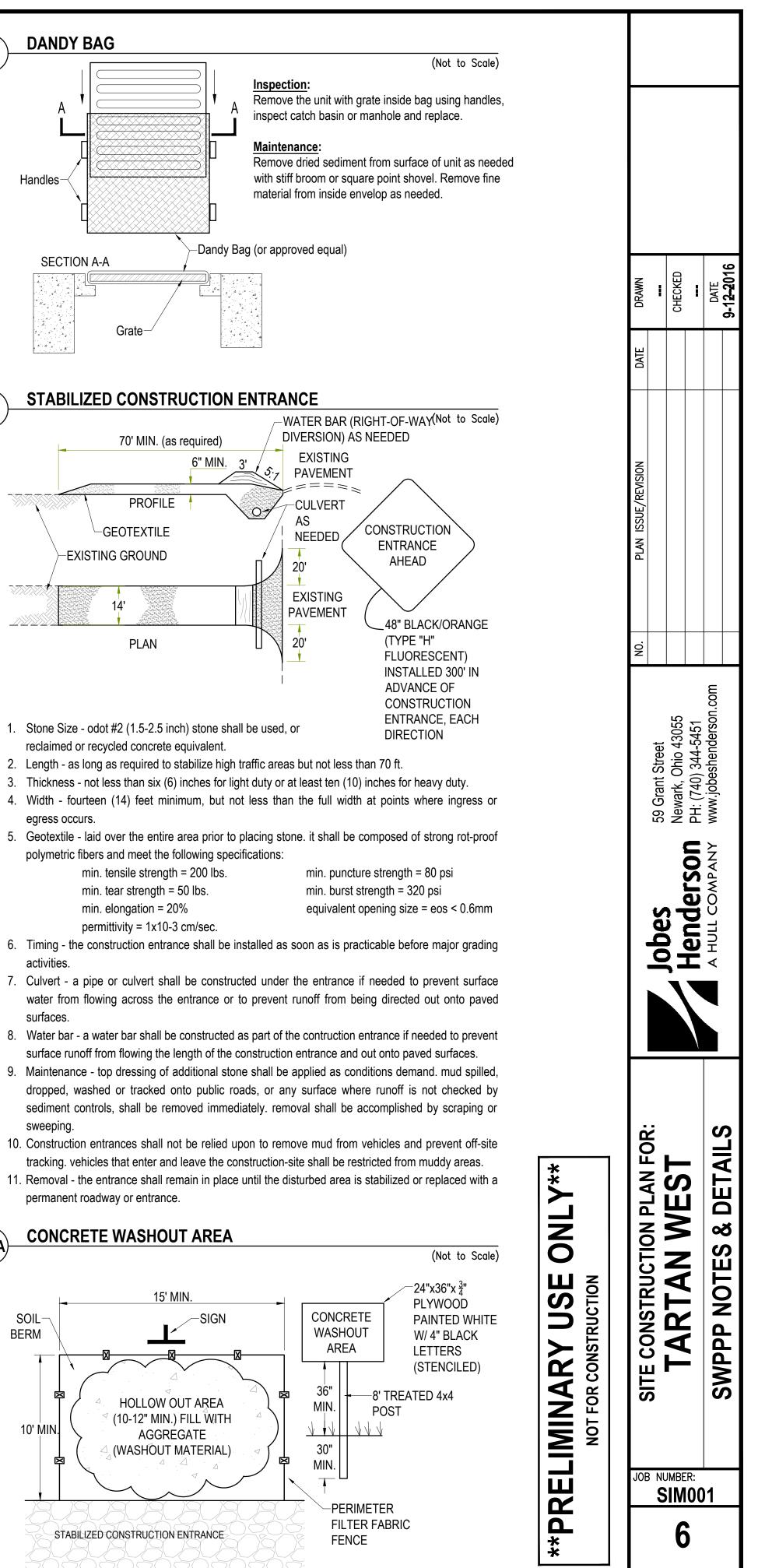
Materials

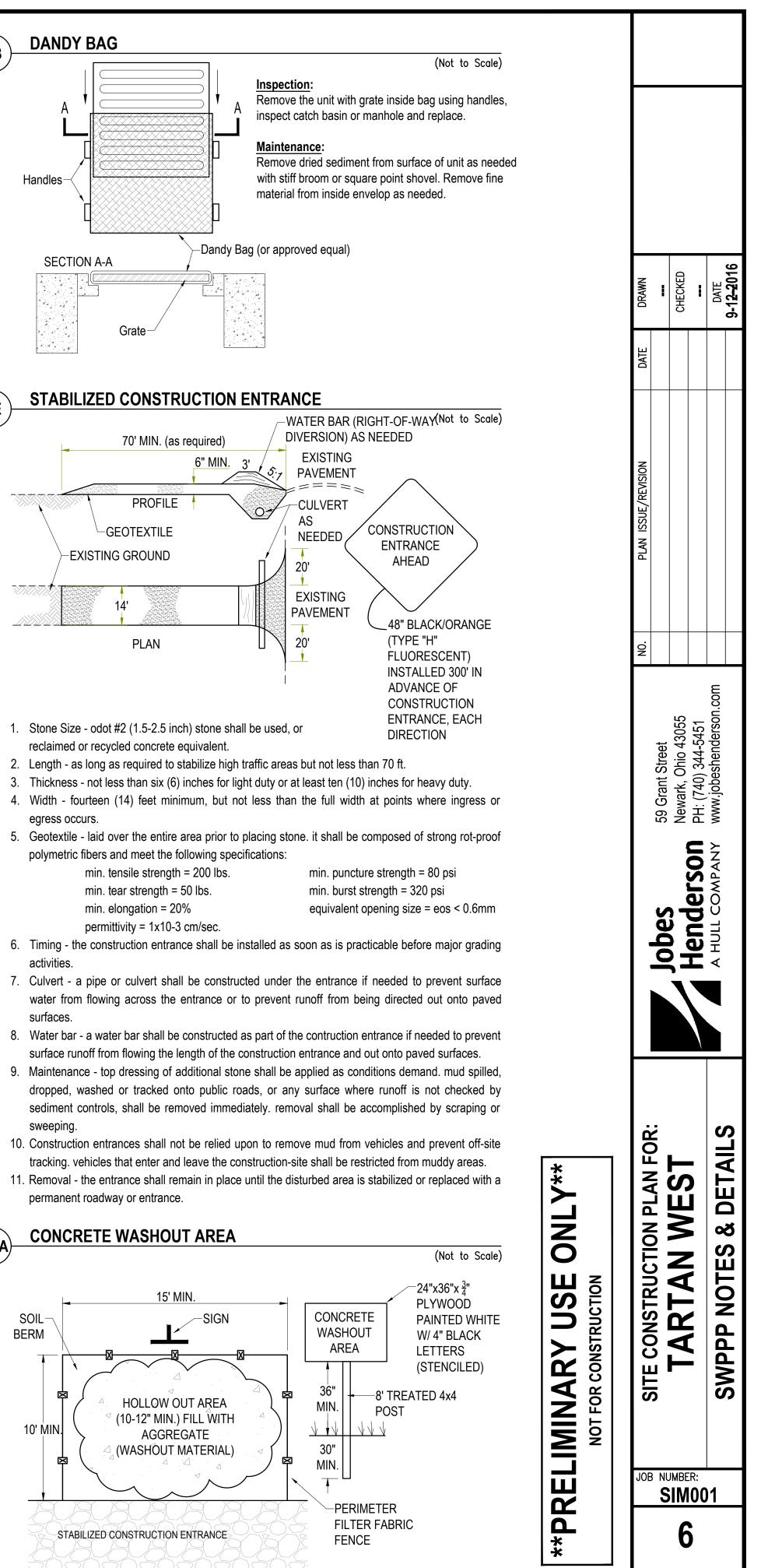
- Straw—If straw is used it shall be unrotted small-grain straw applied at the rate of 2 tons per acre or 90 pounds (two to three bales) per 1,000-sq. ft. The mulch shall be spread uniformly by hand or mechanically applied so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000-sq.-ft. sections and spread two 45-lb. bales of straw in each section
- Hydroseeders—If wood cellulose fiber is used, it shall be applied at 2,000 lb./ac. or 46 lb./1,000 sa. ft.
- Other—Other acceptable mulches include rolled erosion control mattings or blankets applied according to manufacturer's recommendations or wood chips applied at 6 tons per acre.
- Straw and Mulch Anchoring Methods Straw mulch shall be anchored immediately to minimize loss by wind or water.
- Mechanical—A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 inches.
- Mulch Netting—Netting shall be used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.
- Asphalt Emulsion—Asphalt shall be applied as recommended by the manufacture or at the rate of 160 gallons per acre.
- Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equivalent may be used at rates specified by the manufacturer.
- Wood Cellulose Fiber—Wood cellulose fiber shall be applied at a net dry weight of 750 pounds per acre. The wood cellulose fiber shall be mixed with water with the mixture containing a maximum of 50 pounds cellulose per 100 gallons of water.

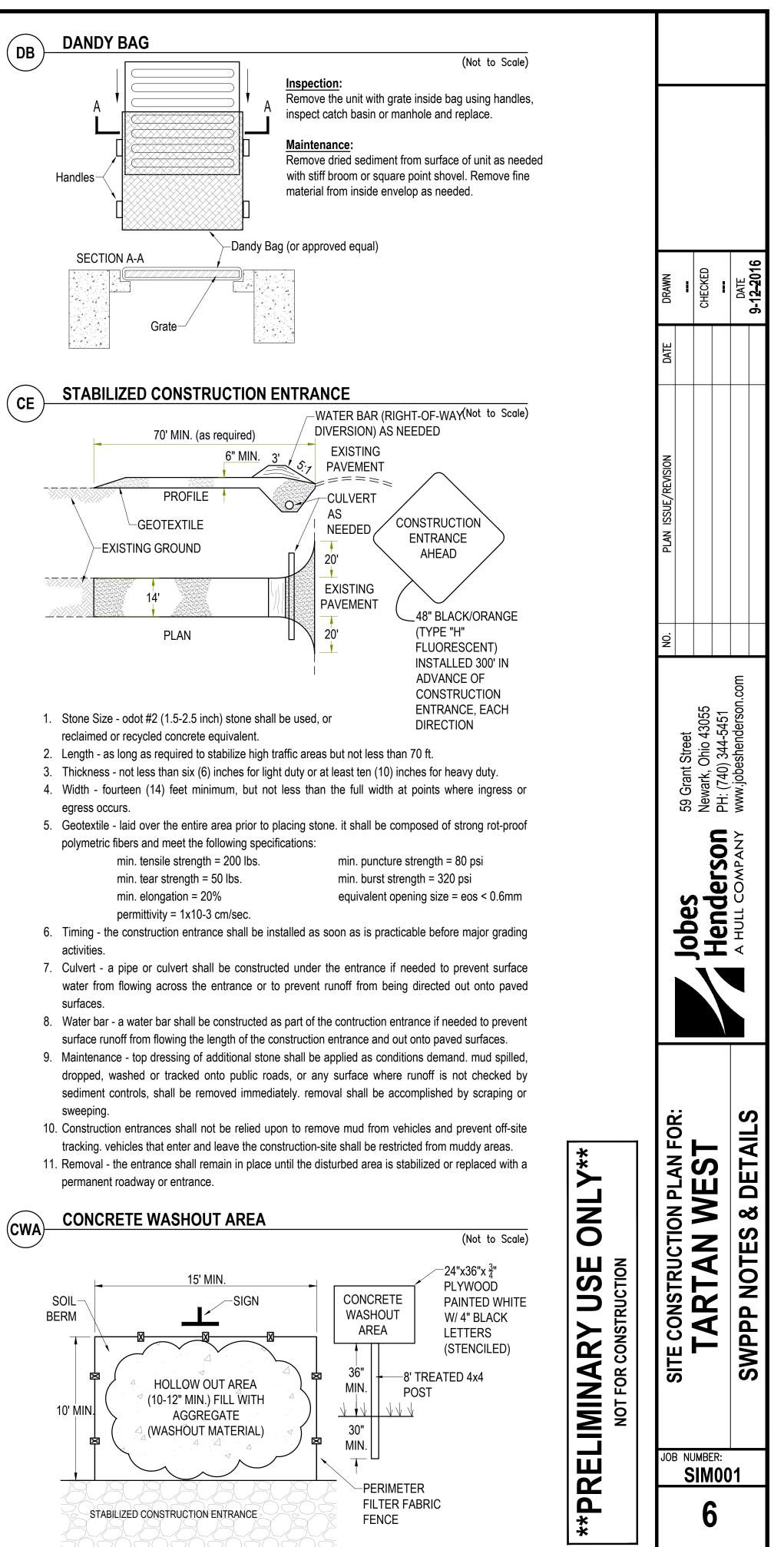
#### Irrigation

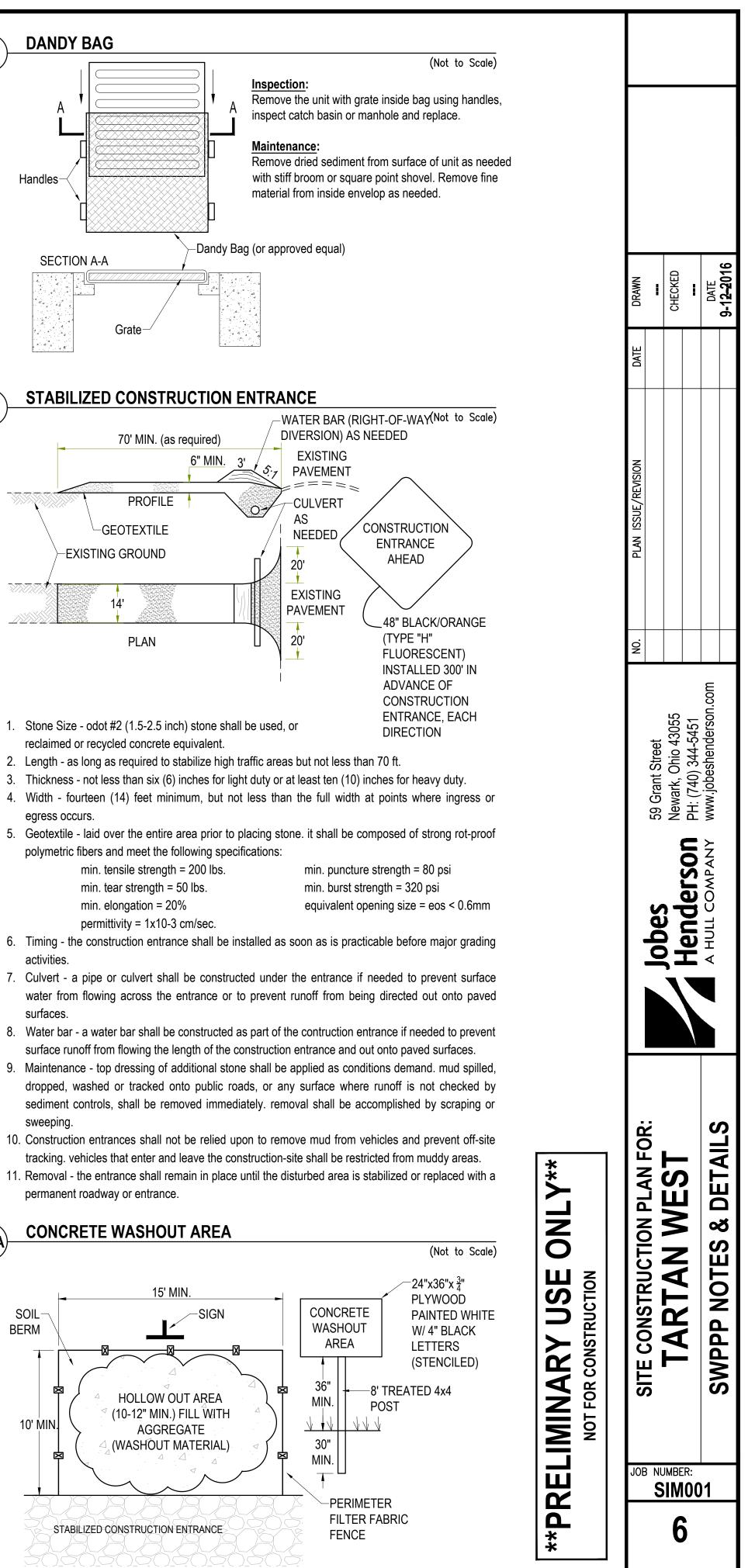
Permanent seeding shall include irrigation to establish vegetation during dry weather or on adverse site conditions, which require adequate moisture for seed germination and plant growth.

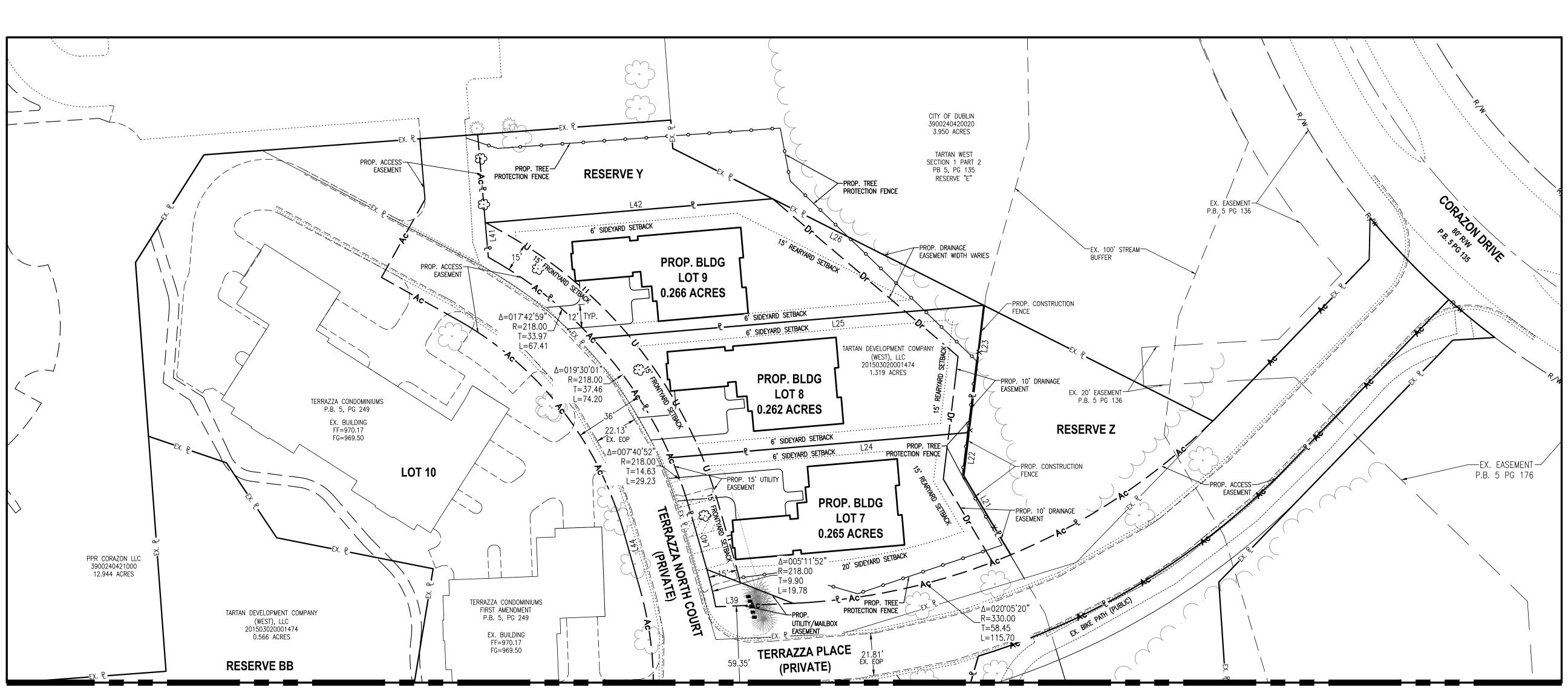
Irrigation rates shall be monitored to prevent erosion and damage to seeded areas from excessive











MATCHLINE - SEE SHEET 6

Line Table				
Line #	Distance	Bearing		
L5	174.45	S83° 19' 42"W		
L6	154.33	S83° 19' 42"W		
L7	71.57	N20° 38' 22"E		
L8	170.98	S83° 19' 42"W		
L9	71.56	N20° 38' 22"E		
L10	71.56	N20° 38' 22"E		
L11	132.77	S87° 47' 02"W		
L12	28.04	S41° 47' 21"E		
L13	149.38	N83 19' 42"E		
L14	31.68	S64 47 11"E		
L15	67.07	N11° 53' 30"E		
L16	160.31	N83° 19' 42"E		
L17	67.07	N11° 53' 30"E		
L18	147.05	N83 19' 42"E		
L19	6.08	N11° 53' 30"E		
L20	81.68	S05° 41' 18"E		
L21	48.03	S30° 41' 56"E		
L22	22.02	S06° 50' 55"W		
L23	66.24	N06 50 55 E		
L24	154.17	N85° 10' 40"E		
L25	202.83	N85° 10' 40"E		
L26	122.18	S63° 12' 54"E		
L28	11.68	N80° 26' 39"W		
L29	8.42	N31° 01' 33"E		
L30	34.77	N31° 01' 33"E		
L31	14.20	N39° 29' 01"E		
L32	47.92	N06° 40' 18"W		
L33	23.44	S83° 19' 42"W		
L34	68.84	S38° 28' 04"W		
L35	40.42	S87° 28' 23"W		
L36	89.53	S07° 37' 07"W		
L37	10.42	S31° 01' 33"W		
L38	32.77	S31 01 33 W		
L39	40.12	N87° 28' 23"E		
L40	31.52	S15° 55' 20"E		
L40 L41	17.77	N04* 56' 57"W		
L42	148.91	N85° 10' 40"E		
 	31.52	N15' 55' 20"W		

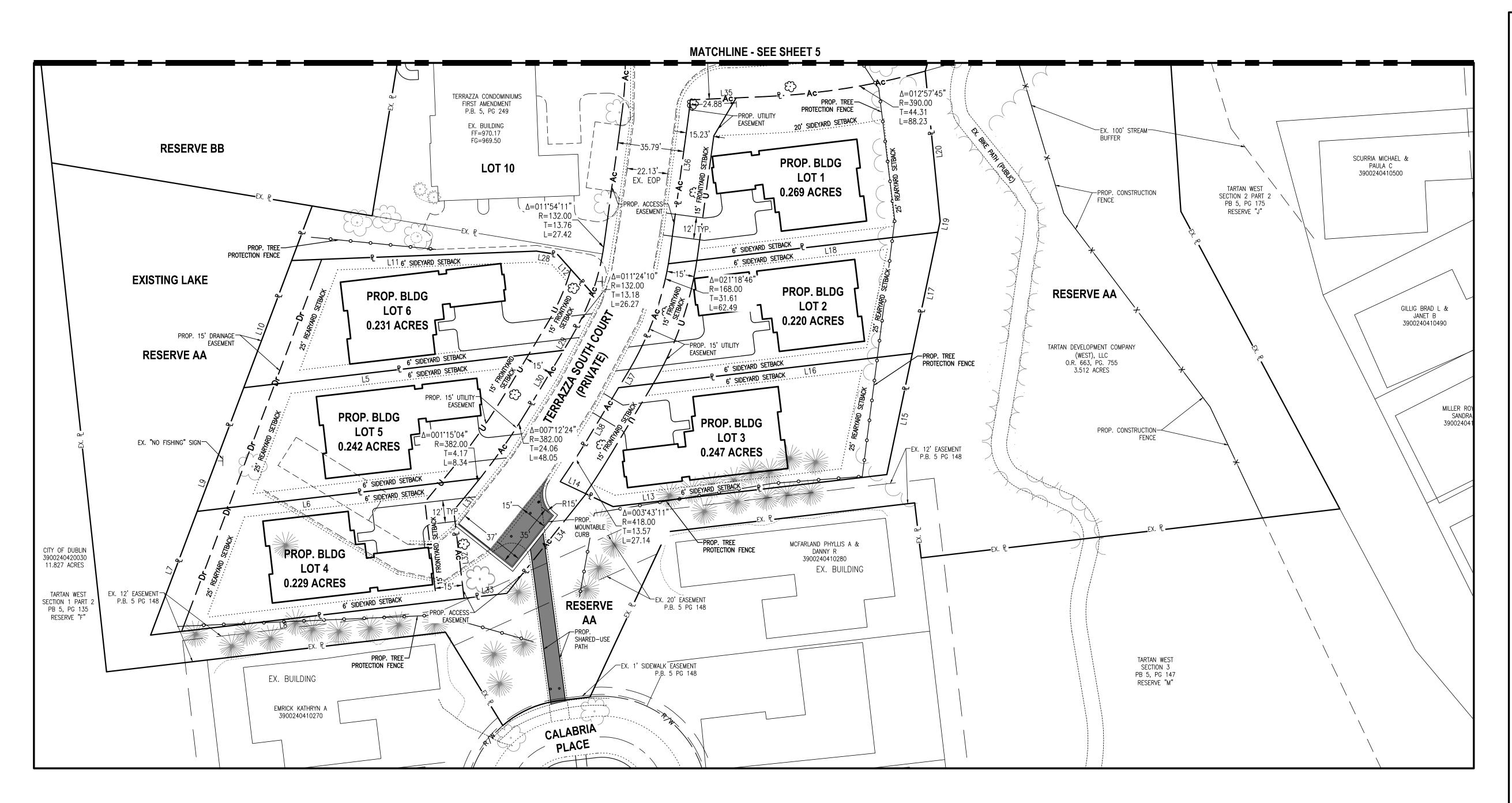


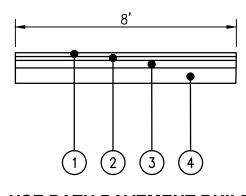
#### LEGEND

\_**o**\_\_\_

–EX.Ք	EXISTING PROPERTY LINE
—Ac——	PROPOSED ACCESS EASEMENT
—U——	PROPOSED UTILITY EASEMENT
—Dr——	PROPOSED DRAINAGE EASEMENT
	PROPOSED PROPERTY LINE
o	PROPOSED TREE PROTECTION FENCE
—x—	PROPOSED CONSTRUCTION FENCE

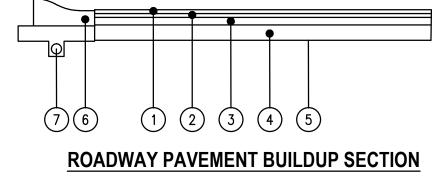
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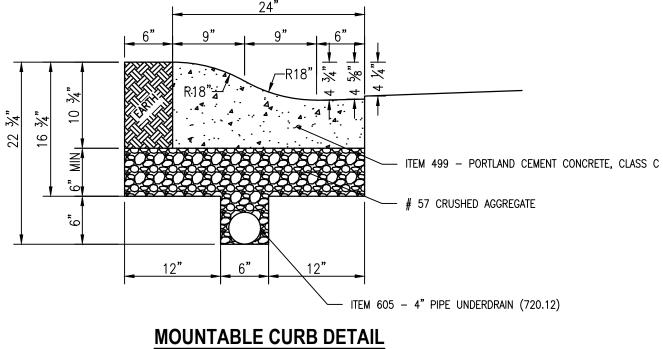
#### SHARED-USE PATH PAVEMENT BUILDUP SECTION

- ITEM 448 1 1/2" ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 (1)
- 2 ITEM 301 – 3" ASPHALT CONCRETE BASE
- 3 ITEM 304 – 6" AGGREGATE BASE
- (4)ITEM 204 - SUBGRADE COMPACTION



(1)	ITEM 448 – 1 1/2" ASPHALT CON
2	ITEM 448 – 1 1/2" ASPHALT CON
3	ITEM 301 – 3" ASPHALT CONCRETE
4	ITEM 304 – 6" AGGREGATE BASE
5	ITEM 204 - SUBGRADE COMPACTIO
6	ITEM SPEC MOUNTABLE CONCRE
7	ITEM 605 - 4" PIPE UNDERDRAIN

- 1/2" ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22
- 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22
- ASPHALT CONCRETE BASE
- AGGREGATE BASE
- JBGRADE COMPACTION
- MOUNTABLE CONCRETE CURB (SEE MOUNTABLE CURB DETAIL, THIS SHEET)



NOT TO SCALE

	Line Tal	ble
Line #	Distance	Bearing
L5	174.45	S83 19' 42"W
L6	154.33	S83 19' 42"W
L7	71.57	N20° 38' 22"E
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L42	148.91	N85° 10' 40"E
L44	31.52	N15° 55' 20"W

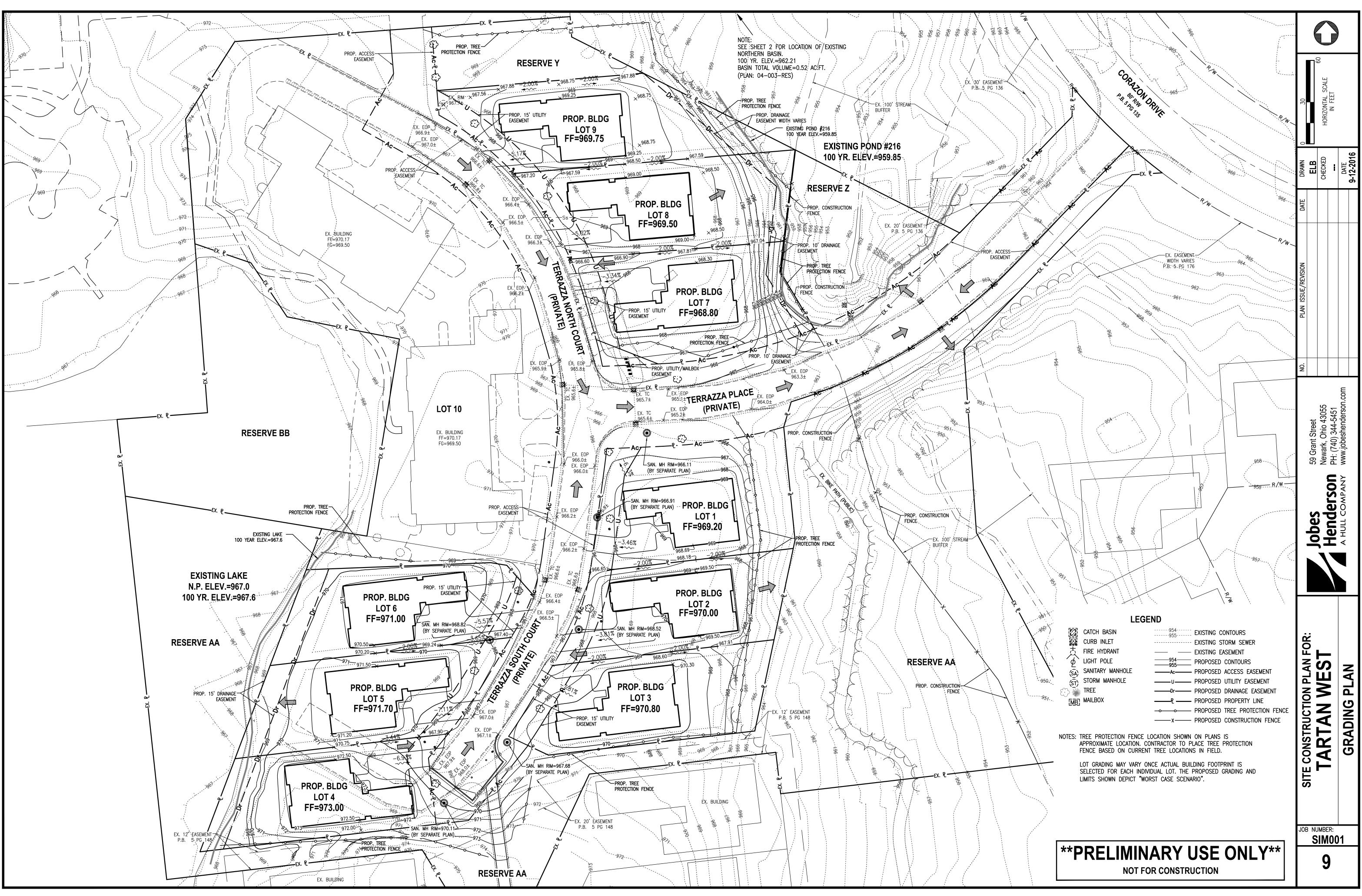


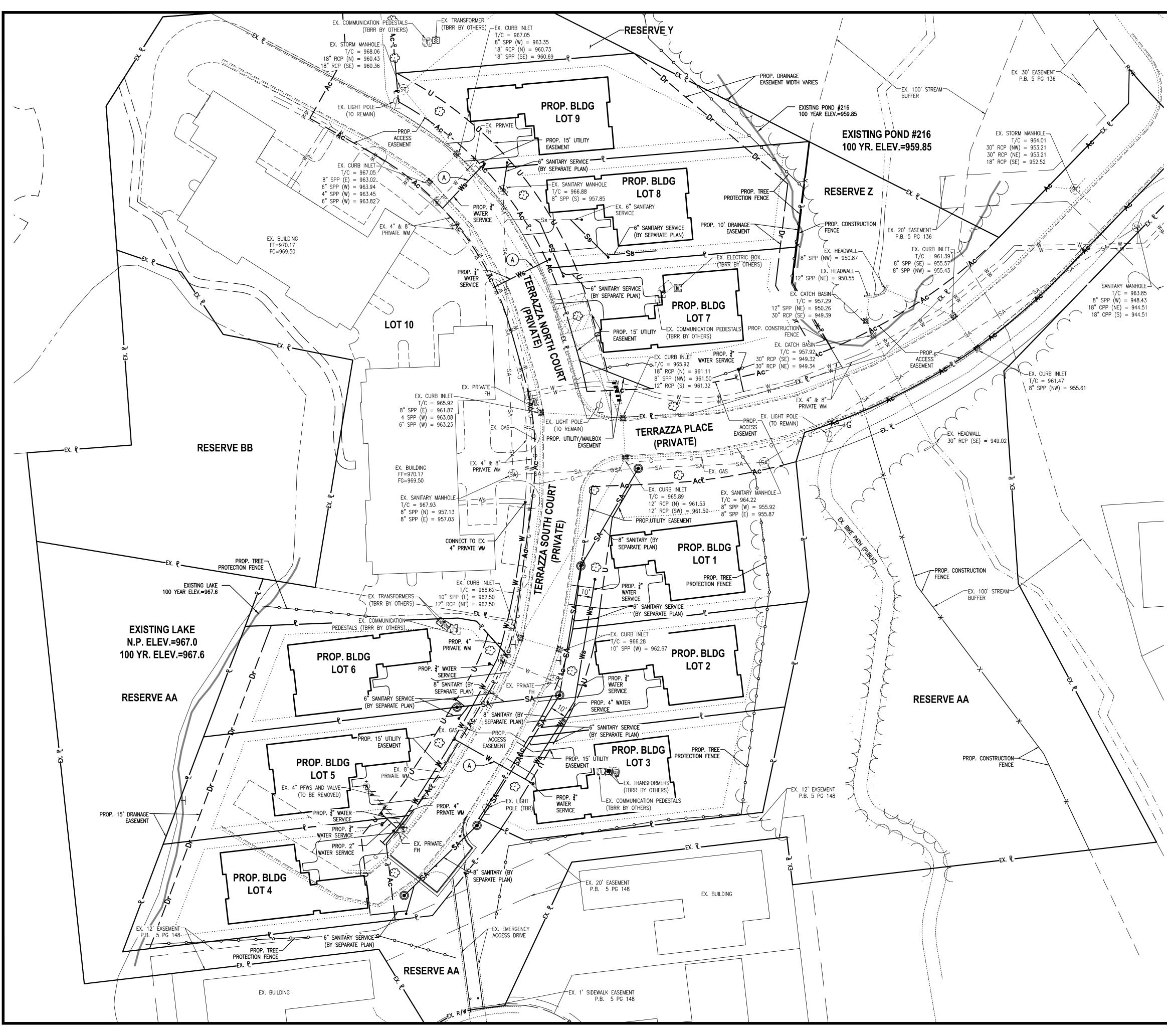
#### LEGEND

.111	CONCRETE,	CLASS	

	PROPOSED PAVEMENT
EX.የ	EXISTING PROPERTY LINE
Ac	PROPOSED ACCESS EASEMENT
U	PROPOSED UTILITY EASEMENT
Dr	PROPOSED DRAINAGE EASEMENT
	PROPOSED PROPERTY LINE
<b></b>	PROPOSED TREE PROTECTION FENCE
x	PROPOSED CONSTRUCTION FENCE

## \*\*PRELIMINARY USE ONLY\*\* NOT FOR CONSTRUCTION





**\*\*PRELIMINARY USE ONLY\*\*** NOT FOR CONSTRUCTION

(A)

OPEN CUT PROPOSED UTILITIES ACROSS ROADWAY. SEE COLUMBUS STANDARD DRAWING 1441.

KEYNOTE

CATCH BASIN	G	EXISTING GAS		
CURB INLET	- —SA— -	EXISTING SANITARY SEWER		
ELECTRIC TRANSFORMER		EXISTING STORM SEWER		
ELECTRIC BOX	— — w — —	EXISTING WATER		
FIRE HYDRANT	— —Ws— —	EXISTING DOMESTIC WATER SERVICE		
GAS LINE MARKER	— — F — —	EXISTING FIRE WATER SERVICE		
LIGHT POLE	EX.ዊ	EXISTING PROPERTY LINE		
	R/W	EXISTING RIGHT OF WAY		
SIGN	—SA	PROPOSED SANITARY SEWER		
STORM MANHOLE	— w —	PROPOSED WATER MAIN		
COMMUNICATION PEDESTAL	——Ws——	PROPOSED WATER SERVICE		
WATER VALVE (MAIN)	Ac	PROPOSED ACCESS EASEMENT		
WATER VALVE (SERVICE)	U	PROPOSED UTILITY EASEMENT		
( , , , , , , , , , , , , , , , , , , ,	Dr	PROPOSED DRAINAGE EASEMENT		
		PROPOSED PROPERTY LINE		
	<b>~~~~</b>	PROPOSED TREE PROTECTION FENCE		
	x	PROPOSED CONSTRUCTION FENCE		
	TBR	TO BE REMOVED		
	TBRR	TO BE REMOVED & RELOCATED		
KEVNOTE				
	CURB INLET ELECTRIC TRANSFORMER ELECTRIC BOX FIRE HYDRANT GAS LINE MARKER LIGHT POLE SANITARY MANHOLE SIGN STORM MANHOLE COMMUNICATION PEDESTAL WATER VALVE (MAIN) WATER VALVE (SERVICE)	CURB INLET $ -SA$ $-$ ELECTRIC TRANSFORMER $  -$ ELECTRIC BOX $  -$ FIRE HYDRANT $ -Ws$ $-$ GAS LINE MARKER $  -$ LIGHT POLE $ EX.P_{-}$ SANITARY MANHOLE $R/W$ SIGN $SA$ STORM MANHOLE $W$ COMMUNICATION PEDESTAL $Ws$ WATER VALVE (MAIN) $Ac$ WATER VALVE (SERVICE) $-$ Dr $ R_{-}$ $-$ TBR		

LEGEND

CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION. ALL CLEANOUTS IN PAVEMENT SHALL BE HEAVY DUTY. ALL PROPOSED UTILITIES ARE TO BE STUBBED 5' FROM BUILDING. ALL PROPOSED UTILITIES WITHIN 5' OF PAVEMENT SHALL HAVE COMPACTED GRANULAR BACKFILL

COORDINATION OF ALL PROPOSED UTILITY WORK.

THE UTILITY STUB LOCATIONS AT THE BUILDING ARE SHOWN

SCHEMATICALLY. THE CONTRACTOR SHALL REFERENCE THE

ARCHITECTURAL PLANS FOR EXACT LOCATION. SHOULD A

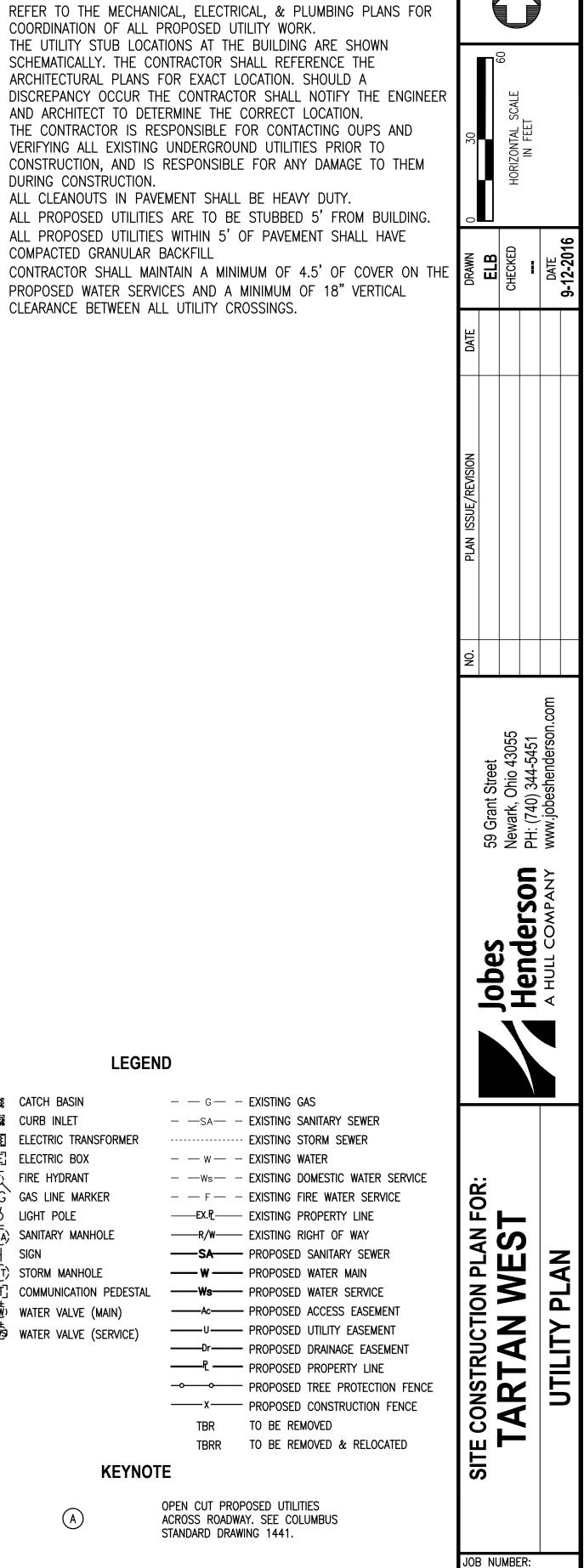
AND ARCHITECT TO DETERMINE THE CORRECT LOCATION.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING OUPS AND

VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO

GENERAL NOTES:

COMPACTED GRANULAR BACKFILL CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4.5' OF COVER ON THE MAINTAIN A MINIMUM OF 4.5' OF COVER ON THE PROPOSED WATER SERVICES AND A MINIMUM OF 18" VERTICAL CLEARANCE BETWEEN ALL UTILITY CROSSINGS.



SIM001

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#### **CITY OF DUBLIN GENERAL NOTES: WATER LINE**

- 1. ALL WATER LINE MATERIALS SHALL BE PROVIDED AND INSTALLED ACCORDING TO CURRENT SPECIFICATIONS OF THE CITY OF COLUMBUS DIVISION OF WATER.
- 2. ALL PUBLIC WATER PIPE WITH A DIAMETER 3 INCHES TO 8 INCHES SHALL BE DUCTILE IRON, CLASS 53. PUBLIC WATER PIPE 12 INCHES IN DIAMETER OR LARGER SHALL BE DUCTILE IRON, CLASS 54. PUBLIC WATER PIPE 20 INCHES IN DIAMETER OR LARGER MAY BE PRESTRESSED CONCRETE PIPE. PRIVATE WATER PIPE SHALL MEET THE APPROVAL OF THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO APPROVAL OF THE CONSTRUCTION DRAWINGS.
- 3. ONLY FIRE HYDRANTS CONFORMING TO CITY OF COLUMBUS STANDARDS WILL BE APPROVED FOR USE.
- 4. PUBLIC WATER LINES SHALL BE DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER. REQUESTS FOR WATER LINE CHLORINATION SHALL BE MADE THROUGH THE CITY OF DUBLIN DIVISION OF ENGINEERING. THE COST FOR CHLORINATION SHALL BE PAID FOR BY THE CONTRACTOR.
- 5. ALL WATER LINES SHALL BE DISINFECTED ACCORDING TO ITEM 801.13 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS OF AMERICAN WATER WORKS ASSOCIATION SPECIFICATION C-651, PARTICULARLY FOR FLUSHING (SECTION 5) AND FOR CHLORINATING VALVES AND FIRE HYDRANTS (SECTION 7). PRESSURE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 801.12 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS. WHEN WATER LINES ARE READY FOR DISINFECTION, THE CITY OF DUBLIN SHALL SUBMIT TWO (2) SETS OF "AS-BUILT" PLANS, AND A LETTER STATING THAT THE WATER LINES HAVE BEEN PRESSURE TESTED AND NEED TO BE DISINFECTED, TO THE CITY OF COLUMBUS, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISINFECTION OF ALL WATER LINES CONSTRUCTION PER THIS PLAN. PRESSURE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 801.12 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ff3

EX. BUILDING FF=970.17

FG=969.50

- 6. THE CONTRACTOR SHALL PAINT ALL FIRE HYDRANTS ACCORDING TO CITY OF DUBLIN STANDARDS. THE COST OF PAINTING FIRE HYDRANTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR FIRE HYDRANTS.
- 7. NO WATER TAPS OR SERVICE CONNECTIONS (E.G., TO CURB STOPS OR METER PITS) MAY BE ISSUED UNTIL ADJACENT PUBLIC WATER LINES SERVING THE CONSTRUCTION SITE HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER AND HAVE BEEN ACCEPTED BY THE CITY ENGINEER. A TAP PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE CITY OF DUBLIN AND THE CITY OF COLUMBUS DIVISION OF WATER BEFORE MAKING ANY TAPS INTO PUBLIC WATER LINES.
- 8. THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DIVISION OF WATER AT 645-7788 AND THE CITY OF DUBLIN DIVISION OF ENGINEERING AT LEAST 24 HOURS BEFORE TAPPING INTO EXISTING WATER LINES.
- 9. ALL WATER MAIN STATIONING SHALL BE BASED ON STREET CENTERLINE STATIONING.
- 10. ALL BENDS, JOINT DEFLECTIONS AND FITTINGS SHALL BE BACKED WITH CONCRETE PER CITY OF COLUMBUS STANDARDS.
- 11. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST 1 WORKING DAY BUT NOT MORE THAN 3 WORKING DAYS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SEERVICE. INTERRUPTION OF WATER SERVICE SHALL BE MINIMIZED AND MUST BE APPROVED BY THE CITY ENGINEER.
- 12. WATER METERS SHALL BE INSTALLED INSIDE PROPOSED STRUCTURES UNLESS A METER PIT INSTALLATION IS APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER. METER PITS MUST CONFORM TO STANDARD DRAWINGS L-7103, A&B FOR 5/8" THROUGH 1" METERS OR L-6317, A, B, C&D FOR 1-1/2" OR LARGER
- 13. WATER LINES TO BE INSTALLED IN EMBANKMENT AREAS SHALL BE PLACED AFTER THE EMBANKMENT HAS BEEN PLACED AND COMPACTED ACCORDING TO THE STANDARD SPECIFICATIONS.
- 14. CURB STOP BOXES SHALL BE LOCATED AT LEAST 1 FOOT INSIDE THE RIGHT-OF-WAY AND SET AT FINISHED GRADE.
- 15. IF THE TOP OF THE OPERATING NUT OF ANY VALVE IS GREATER THAN 36 INCHES BELOW FINISHED GRADE, AN EXTENSION STEM SHALL BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 24 INCHES OF FINISHED GRADE ELEVATION.
- 16. ALL WATER LINES SHALL BE PLACED AT A MINIMUM DEPTH OF 4 FEET MEASURED FROM TOP OF FINISHED GRADE TO TOP OF WATER LINE. WATER LINES SHALL BE SET DEEPER AT ALL POINTS WHERE NECESSARY TO CLEAR EXISTING OR PROPOSED UTILITY LINES OR OTHER UNDERGROUND RESTRICTIONS BY A MINIMUM OF 18 INCHES.
- 17. TWO ¾ INCH TAPS SHALL BE INSTALLED WITHIN 2 FEET OF THE END OF THE LINE ON ALL DEAD-END WATER LINES.

