1. Drawing L-6.1 shows detail 3 for a 4' railing with sleeves at the retaining wall. Is this railing required? It is not shown on the site plan L-2.0 or in detail 7/L-6.1.

Yes. This can be a 4 foot high chain link fence to match the other proposed chain link fencing on the plan. Chain link fabric shall be mounted on the side away from back of wall.

2. Please confirm a concrete footing as depicted in detail 5/L-6.1 is not required and we are to follow the 12" deep stone detail instead.

A concrete footing is not required, compacted 2A modified stone is acceptable.

3. What erosion control materials, if any, are required? If required, please provide quantities for bidding purposes.

See Erosion and Sediment Control Plan and Detail sheets that are part of this response.

4. Spec section 32 92 00 refers to hydroseeding, sod, turf, etc. The plans have a note for tall fescue seed. Please confirm seed is all that is required for the 83,500 SF lawn.

Hydroseed turfgrass seed as specified in section 32 92 00.

5. Spec section 31 10 00 refers to stripping the site 12" and re-spreading and compacting it in an 8" thickness. Spec section 31 22 10 refers to 6" for seeded lawn. Detail 5/L-6.0 shows 6" screened topsoil. Is 6" of imported topsoil required for all 83,500 SF of new lawn or are we to amend existing material? Is 6" required or 8"?

There is little to no topsoil on site, contractor to assume import of 6 inches of new, screened topsoil to meet Section 31 22 10. Subgrade to be prepared as per Section 31 20 10.

6. Detail 2/L-6.1 shows 9" of low permeability soil in the swale area. Is this required? If so, what areas are to receive this type of soil?

Yes, low permeability soil is required in the swale behind the new retaining wall, per manufacturers requirements.

7. Are we to stripe the soccer field?

Yes.

8. Please confirm no subgrade preparation is required for the soccer field such as stone, geotextile, geogrid, etc.

Soccer field area shall be rough graded to elevation and compacted as specified in Section 31 20 10, in preparation for topsoil placement.

9. Is temporary fence around the site perimeter required?

Yes

10. Although listed on the cover sheet, there are no Erosion and Sedimentation Control drawings provided in the plan set. Please provide these drawings.

Drawings have been provided with this response package.

11. The details on Sheet L-6.01 show a fence along the high side of the retaining wall. The plans show the fence stopping at each end of the wall. Are we including fence on top of the wall in our bid?

The fence extends beyond the wall as shown on typical section 2/L-6.1

12. Please confirm there is no Allowance #2.

There is no Allowance #2 for the Project. Please disregard. Do not include any pricing.

13. Spec section 12 93 00 refers to various site furnishings that are not shown on the drawings, which, if any, of these materials are required?

Section 129300 was included as a general specification. There are no site furnishing for the Project.

14. Spec 1120-1 1.4 B refers to work that is not applicable for this project. Please confirm if any of this work is required.

This work is not applicable to the Project.

15. The RFP indicates on Page 6 that "specific goals for this project will be determined in consultation with the City's Office of Economic Opportunity." Have these goals been determined? If so, what are they?

Please refer to Attachment H (Rebuild Statement) for the preferred OEO Goals

16. If no MBE/WBE goals have been determined, are we to use the Rebuild Diversity and Inclusion subcontracting goals of 30% MBE and 15% WBE? It states these goals are dependent on the type and size of project.

Please refer to Attachment H (Rebuild Statement) for the preferred OEO Goals

17. In regard to the M/W/DSBE goals, please confirm that only the narrative (#5 Page 4) described in the RFP is due at the time of bid and that specific forms, etc. are to be provided post bid by the apparent low bidder.

The narrative as stated along with your OEO Goals are due with your Proposal.

18. There is an Add Alternate No. 1 listed on the GCON Proposal Form but no reference to this on the drawings or specifications. Please provide plans and details showing the scope of this alternate.

There is no Add Alternate No. 1 for the Project. Please disregard. Do not include any pricing.

19. Specification Section 12 93 00 lists several site furnishings however these are not shown on the drawings. Are these furnishings to be included with our bid? If so, please provide quantities, details and locations.

Section 129300 was included as a general specification. There are no site furnishing for the Project.

20. Please confirm that the 5 page Questionnaire, attachment # I in the Bid Package, can be submitted with the Bid.

Yes

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY MULCHING

MINIMUM. ANCHOR AS REQUIRED.

EMERGENCY SEEDING

1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS. 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE

3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY SUCH CLEANING OR REPAIRS. 4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS. 5. THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 35 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1. 6. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR

SURFACE WATER. 7. FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF FACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.

8. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET. 9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS. 10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR

SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP. 11. UNTIL THE SITE IS STABILIZED, ALL E&S BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMPS PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT REGRADING RESERVING REMULICHING AND RENETTING MUST BE PERFORMED

IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED. 12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION. 13. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR

EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES. 14. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE

APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO IMPLEMENTATION. 15. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. 16. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OF THE PROJECT

UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN. 17. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN

18. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION. 19. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPE AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOOD PLAINS, OR DRAINAGE SWALES, AND IMMEDICATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES. 20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES -- SIX TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF

TWO INCHES OF TOPSOIL 21.ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. 22.ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS. 23.FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT

CONSTRUCTION OF SATISFACTORY FILLS. 24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS. 25. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES. 26.SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN

ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD. 27.ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER. OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.

28.IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT. THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR. MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS. 29.PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70%

VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS. 30.E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD AND PA DEP. 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE

E&S BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON. 32. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN APPLICABLE)

SITE STABILIZATION METHODS (TEMPORARY & PERMANENT STABILIZATION)

1. HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.

2. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES GREATER THAN 3:1.

TEMPORARY SEEDING . THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDED AND MULCHED:

A. THE SURFACE OF TOPSOIL STOCKPILES. B. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT

CONSTRUCTION ACTIVITY THEREON. 2. SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS. THE FOLLOWING SHALL BE PLANTED: A. 40 LBS./ACRE ANNUAL RYE GRASS - COMMON, 100% P.L.S.

3. PREPARE AREAS TO BE SEEDED AS FOLLOWS:

A. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. APPLY LIME AT A RATE OF 3 TONS PER ACRE AND FERTILIZER AT THE RATE OF 50-50-50 PER ACRE AND WORK INTO SOIL.

B. SOW SEED AT THE INDICATED RATE. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.

4. PLACE CLEAN DRY STRAW OR HAY MULCH WITHIN 48 HOURS AFTER SEEDING. PLACE AT THE RATE OF 3 TONS PER ACRE.

5. SEEDING DATES SHALL BE BETWEEN MARCH 1 AND NOVEMBER 15.

1. MULCH PROPOSED LANDSCAPE AREAS OR TOPSOIL STOCKPILES IF EARTHWORK IS COMPLETED OUTSIDE OF THE RECOMMENDED PLANTING SEASONS FOR TEMPORARY SEEDING OR DUE TO UNFAVORABLE WEATHER CONDITIONS. 2. MULCH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE ESTABLISHMENT OF THE

TOPSOIL STOCKPILE OR ROUGH GRADING. 3. MULCH WITH SUITABLE FIBROUS GROUND, SHREDDED AGED HARDWOOD, PINE WOOD BARK OR STRAW, UNIFORMLY AND CONTINUOUSLY TO A LOOSE DEPTH OF 3 INCHES

4. PROPERLY MAINTAIN MULCHED AREAS UNTIL PERMANENT STABILIZATION MEASURES ARE COMPLETE, REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED AS INITIAL OR MODIFIED RATES AS NECESSARY. IF A SLOPE FAILURE OCCURS WHICH REQUIRES REDRESSING, EXCAVATION, OR THE ESTABLISHMENT OF A NEW SLOPE, REPLACE MULCH AS

DURING CONSTRUCTION, ALL DISTURBED AREAS SHOULD BE SEEDED ACCORDING TO THE FOLLOWING INSTRUCTIONS: SEEDING RECOMMENDATIONS FOR SIX (6) TO TWELVE (12) MONTH PERIODS

1. INSTALL NEEDED WATER-CONTROL MEASURES. 2. PERFORM ALL CULTURAL OPERATIONS AT RIGHT ANGLES TO THE SLOPE.

3. LIME ACCORDING TO SOIL TEST, KNOWLEDGE OF SITE, OR APPLY TWO (2) TONS OF GROUND LIMESTONE PER ACRE.

4. FERTILIZE ACCORDING TO SOIL TEST, KNOWLEDGE OF SITE, OR APPLY 40-40-40, PER ACRE 5. INCORPORATE LIME AND FERTILIZER INTO THE TOP (4) INCHES OF SURFACE SOIL BY

DISCING OR OTHER SUITABLE MEANS. 6. SEED ONE (1) OF THE FOLLOWING MIXTURES AT THE MOST SUITABLE DATE. APPLY UNIFORMLY WITH A DRILL OR BY BROADCASTING.

- A. MARCH 1 TO OCTOBER 1 TWENTY (20) POUNDS OF ANNUAL RYE OR FIELD BROMEGRASS PER ACRE. B. MARCH 1 TO MAY 30 - TWENTY (20) POUNDS OF ANNUAL RYE GRASS OR FIELD BROMEGRASS AND SIXTY-FOUR (64) POUNDS OF SPRING OATS PER ACRE.
- C. AUGUST 1 TO NOVEMBER 1 TWENTY (20) POUNDS OF ANNUAL RYE GRASS OR FIELD BROMEGRASS AND ONE HUNDRED TWELVE (112) POUNDS OF WINTER RYE PER ACRE. 7. COVER GRASS AND LEGUME SEEDS ONE-QUARTER (1/4) INCH DEEP WITH CULTIPACKER

OR HARROW. COVER RYE OR OATS ABOUT TWO (2) INCHES DEEP. 8. MOW RYE OR OATS JUST BEFORE THEY HEAD OUT IF SLOPE PERMITS. PERMANENT SEEDING

1. PERMANENT SEEDING SHALL OCCUR IMMEDIATELY AFTER THE FINAL GRADING IS COMPLETED. THE FOLLOWING SEED SHALL BE PLACED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DIRECTED IN THE FIELD.

THE FOLLOWING SEED MIX SHALL BE USED:

- A. 40% PENNLAWN FINE FESCUE B. 3% RED TOP C. 20% CHAMPION PERENNIAL RYE GRASS

QUANTITIES ARE OF PURE LIVE SEED (P.L.S.) SPREAD AT A RATE OF 63 LBS. PER ACRE. 2. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. TILL SOIL TO A DEPTH OF FOUR INCHES TO SIX INCHES. APPLY LIME AT A RATE OF 4 TONS PER ACRE. APPLY COMMERCIAL 10-20-20 FERTILIZER AT A RATE OF 930 LBS. PER ACRE. WORK FERTILIZER INTO TOP INCH OF SOIL.

3. SEED ONLY AT THE FOLLOWING TIMES:

A. SPRING: MARCH 1 TO APRIL 30 B. LATE SUMMER/EARLY FALL: AUGUST 15 TO NOVEMBER 15

4. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND

LOT AT RIGHT ANGLE TO FIRST LOT. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED. 5. MULCH SEEDED AREAS WITH STRAW OR HAY AT THE RATE OF 3 TONS PER ACRE. ANCHOR MULCH. COMPLY WITH THE REQUIREMENTS OF SECTION 805 - MULCHING,

PENNDOT PUBLICATION 408. ANCHOR MULCH AS SPECIFIED. 6. MULCHING SHALL BE DONE AT THE MINIMUM RATE OF 3 TONS PER ACRE WITH STRAW MULCHES. PLACE MULCH IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. PROPERLY MAINTAIN MULCHED AREAS UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. PROMPTLY REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED OR LOST DUE TO WIND, RAIN, OR OTHER CAUSES AT INITIAL RATES OR AS DIRECTED.

- 7. LIQUID MULCH BINDERS MAY BE USED TO ANCHOR STRAW MULCHES.
- A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH IN VALLEYS AND AT CRESTS OF BANKS. REMAINDER OF AREAS SHOULD BE UNIFORM IN APPEARANCE
- B. USE ONE OF THE FOLLOWING: EMULSIFIED ASPHALT. CLASS E-1 OR E-6. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. CUTBACK ASPHALT. CLASS RC-250. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SOUARE YARDS, NON-ASPHALTIC EMULSION - NATURAL VEGETABLE GUM BLENDED WITH GELLING AND HARDENING AGENTS (TERRA TACK, AR) AS MANUFACTURED BY GRASS GROWERS COMPANY OR EQUAL. APPLY 25 LBS. PER 1,000 SQUARE YARDS.

NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS

MAINTENANCE PROGRAM

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION STABILIZATION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THESE PLANS. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THESE PLANS.

2. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT CONTROL MEASURES. 3. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED

PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S BEFORE AND AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED.

4. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPE AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOOD PLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

5. SOIL SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE WILL BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE. SOIL SEDIMENT MATERIAL SHALL BE DISTRIBUTED ON-SITE WITHOUT CHANGING DRAINAGE PATTERNS DURING A SPECIFIC CONSTRUCTION STAGE. SILT FENCE INSTALLED ON THE PROJECT SITE SHALL BE MAINTAINED AS FOLLOWS:

A. THE FENCE CONDITION WILL BE INSPECTED ONCE A WEEK OR AFTER EVERY STORM EVENT, WHICHEVER COMES FIRST. ANY NECESSARY REPAIRS WILL BE MADE

- IMMEDIATELY. B. ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE FENCE FUNCTIONAL. DEPOSITS WILL BE REMOVED WHERE ACCUMULATIONS REACH
- ONE-HALF THE ABOVE-GROUND HEIGHT OF THE FENCE. C. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED WILL BE REPLACED IMMEDIATELY WITH ROCK FILTER OUTLETS.
- D. ANY MANUFACTURER'S RECOMMENDATIONS WILL BE ADHERED TO WHEN REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.

6. AT THE END OF EACH CONSTRUCTION DAY, ANY SEDIMENT DEPOSITED ON PAVED PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER WILL NOT BE PERMITTED. 7. OTHER BMP'S

A. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF FVFNT

ENVIRONMENTAL DAMAGE.

2. TOPSOIL AND CLEAN FILL MUST NOT BE MIXED. SEPARATE STOCKPILES FOR EACH SHALL BE DESIGNATED. ADEQUATE SEDIEMNT 3. THE CONTRACTOR SHALL LOCATE THE PROPOSED TOPSOIL STOCKPILE AT AN APPROPRIATE LOCATION WHICH DOES NOT CONFLICT

1. THE CONTRACTOR SHALL DE-WATER EXCAVATIONS IN ACCORDANCE WITH THE SITE DEWATERING DETAIL AND NOTES. THE CONTRACTOR SHALL NOT BE PERMITTED TO DISCHARGE SEDIMENT LADEN RUNOFF DIRECTLY INTO THE EXISTING/PROPOSED STORM SEWER SYSTEM. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP SUCH AS A FILTER BAG WHICH SHALL DISCHARGE OVER NON-DISTURBED PERVIOUS AREAS.

2. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION.

TABLE TO A MINIMUM OF 2 FEET BELOW THE PREVAILING EXCAVATION BOTTOM DURING EXCAVATION AND BACKFILLING.

VARIATIONS AND THEREFORE, HE SHOULD BE PREPARED TO IMPLEMENT THE DEWATERING OPERATIONS SPECIFIED BY THESE PLANS.

SEWER SYSTEMS.

3. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN

TOPSOIL STOCKPILE NOTES

TOPSOIL SHOULD BE FREE OF DEBRIS, SUCH AS WEEDS AND STONES, AND CONTAINS NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE

CONTROLS MUST BE CONSTRUCTED AROUND THE STOCKPILE AREAS

WITH THE PROPOSED CONSTRUCTION. THE TOPSOIL STOCKPILE SHALL BE STORED AND PROTECTED FROM EROSION IN ACCORDANCE WITH THE NOTES AND DETAILS.

4. THE HEIGHT OF THE STOCKPILE SHALL NOT EXCEED 35 FEET AND SHALL NOT HAVE A SLOPE IN EXCESS OF 2:1.

SITE DEWATERING NOTES

4. THE SOIL AND FOUNDATION ENGINEERING REPORT BY UNDERWOOD ENGINEERING, DATED MAY 31, 2013, REVEALED NO PRESENCE OF GROUNDWATER OR PERCHED WATER IN THE TEST BORINGS PERFORMED TO A DEPTH OF 18 FEET BELOW THE EXISTING GROUND SURFACE. HOWEVER, THE CONTRACTOR SHALL NOTE THAT GROUNDWATER ELEVATIONS ARE SUBJECT TO DAILY AND/OR SEASONAL

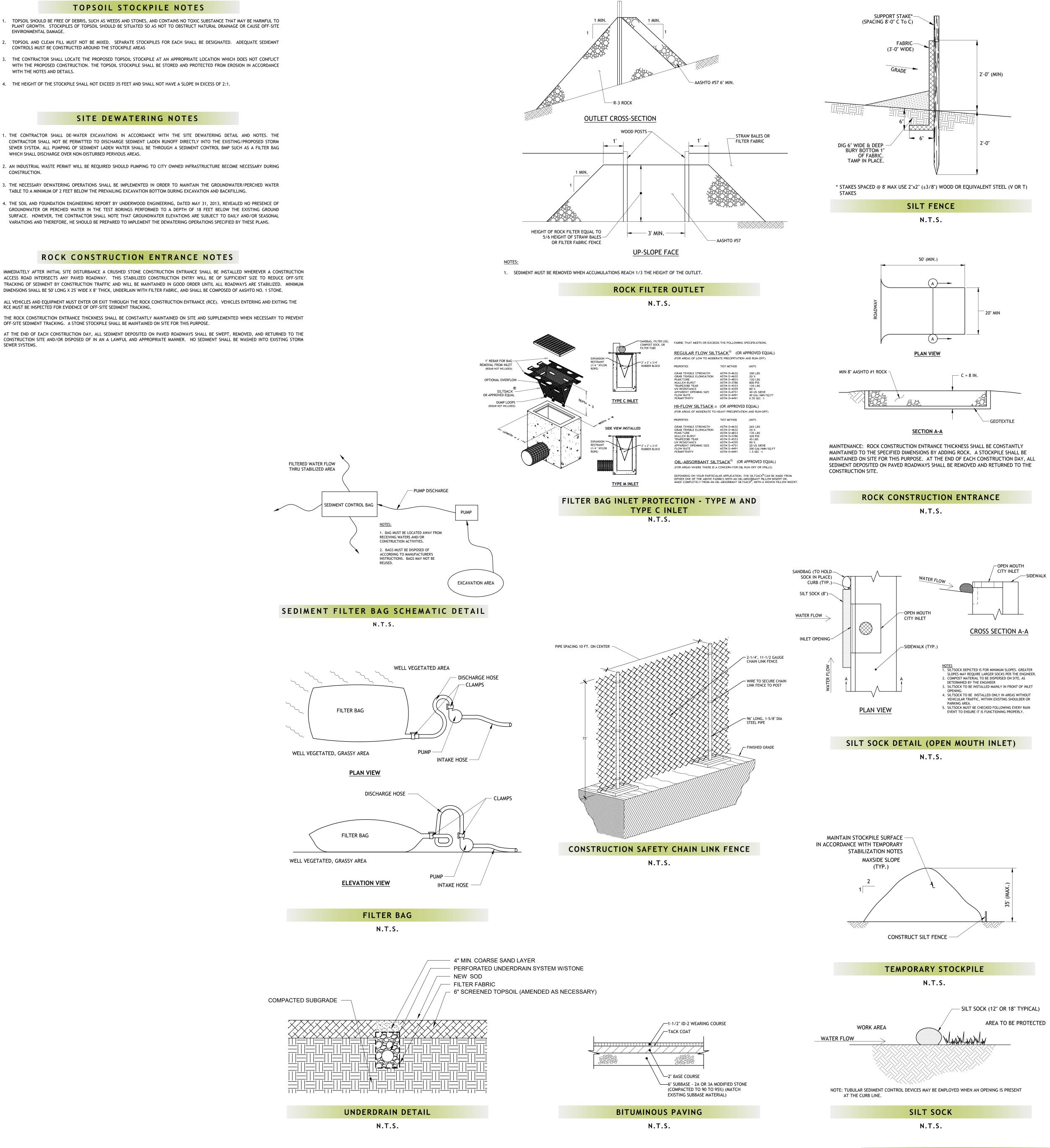
ROCK CONSTRUCTION ENTRANCE NOTES

IMMEDIATELY AFTER INITIAL SITE DISTURBANCE A CRUSHED STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. THIS STABILIZED CONSTRUCTION ENTRY WILL BE OF SUFFICIENT SIZE TO REDUCE OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION TRAFFIC AND WILL BE MAINTAINED IN GOOD ORDER UNTIL ALL ROADWAYS ARE STABILIZED. MINIMUM DIMENSIONS SHALL BE 50' LONG X 25' WIDE X 8" THICK, UNDERLAIN WITH FILTER FABRIC, AND SHALL BE COMPOSED OF AASHTO NO. 1 STONE. 2. ALL VEHICLES AND EQUIPMENT MUST ENTER OR EXIT THROUGH THE ROCK CONSTRUCTION ENTRANCE (RCE). VEHICLES ENTERING AND EXITING THE

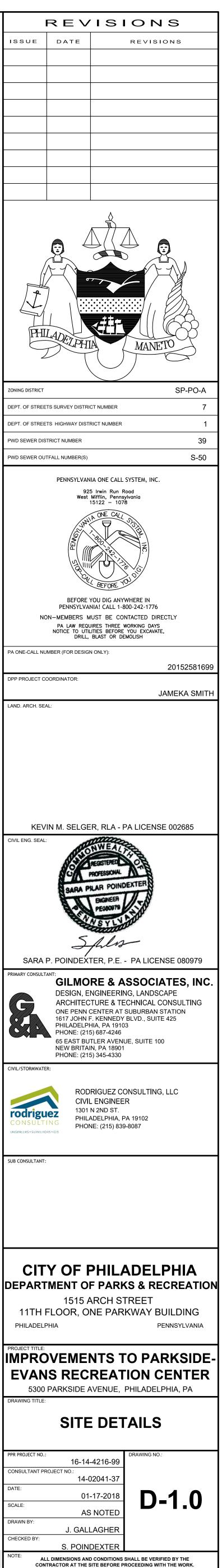
RCE MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

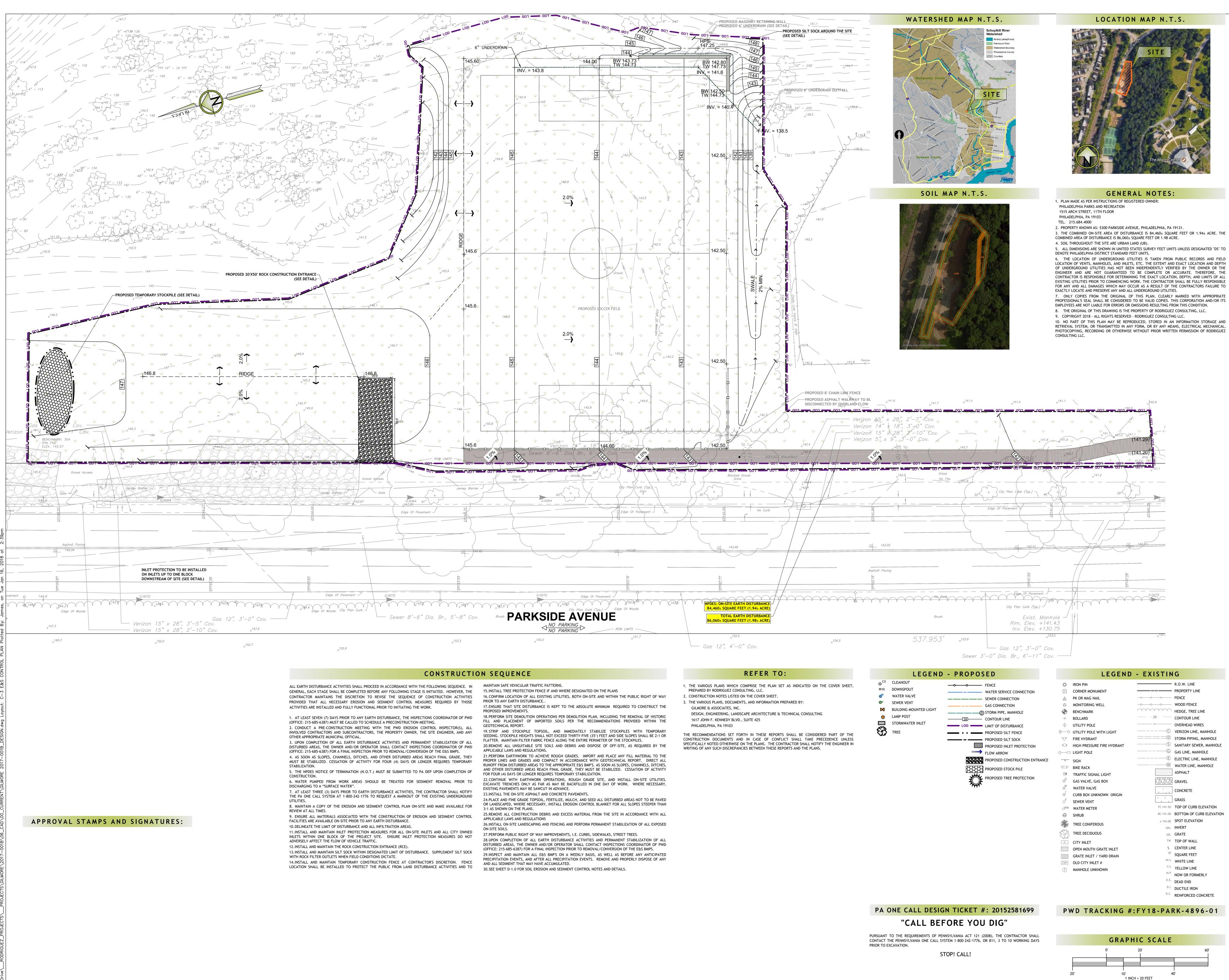
THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON SITE AND SUPPLEMENTED WHEN NECESSARY TO PREVENT OFF-SITE SEDIMENT TRACKING. A STONE STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE.

4. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT, REMOVED, AND RETURNED TO THE CONSTRUCTION SITE AND/OR DISPOSED OF IN AN A LAWFUL AND APPROPRIATE MANNER. NO SEDIMENT SHALL BE WASHED INTO EXISTING STORM



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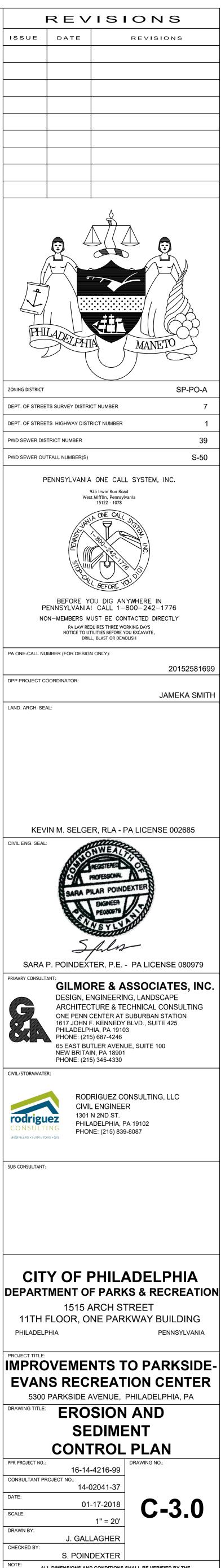


3. THE COMBINED ON-SITE AREA OF DISTURBANCE IS 84,460± SQUARE FEET OR 1.94± ACRE. THE

6. THE LOCATION OF UNDERGROUND UTILITIES IS TAKEN FROM PUBLIC RECORDS AND FIELD LOCATION OF VENTS, MANHOLES, AND INLETS, ETC. THE EXTENT AND EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND LIMITS OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR AS A RESULT OF THE CONTRACTORS FAILURE TO

7. ONLY COPIES FROM THE ORIGINAL OF THIS PLAN, CLEARLY MARKED WITH APPROPRIATE PROFESSIONAL'S SEAL SHALL BE CONSIDERED TO BE VALID COPIES. THIS CORPORATION AND/OR ITS

10. NO PART OF THIS PLAN MAY BE REPRODUCED, STORED IN AN INFORMATION STORAGE AND RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, ELECTRICAL MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT PRIOR WRITTEN PERMISSION OF RODRIGUEZ



ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.