

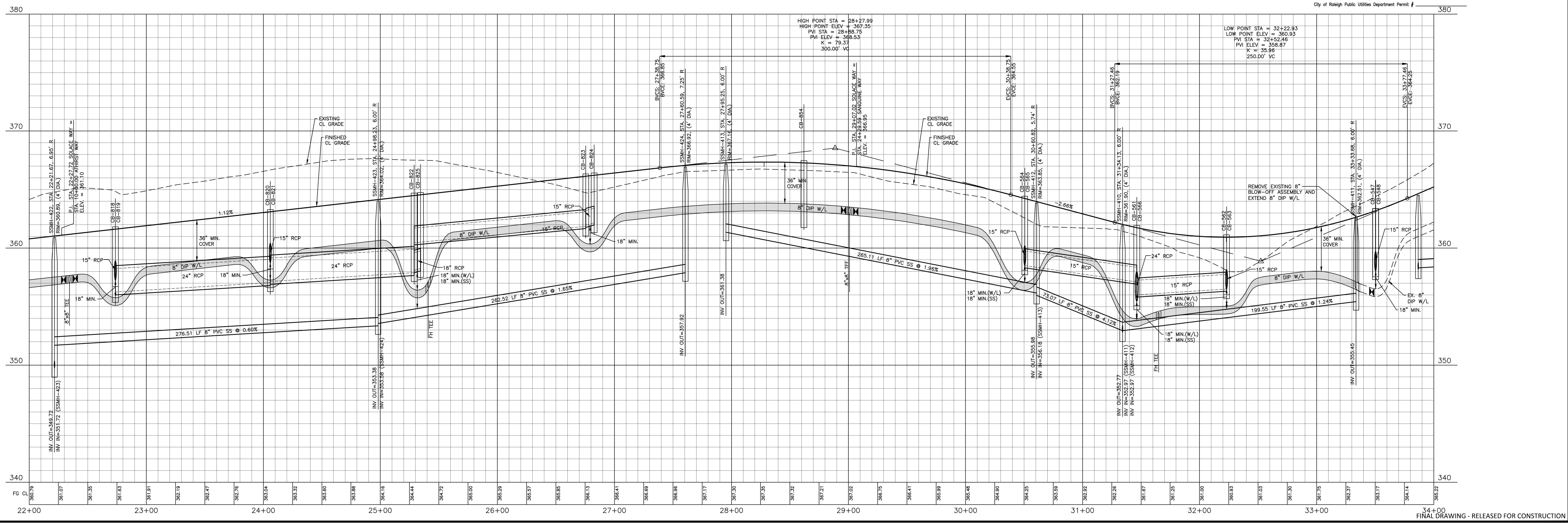
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| CB-817 STA. 22+40.24 T/C=360.34 INV IN=355.35 (CB-818) INV OUT=355.25 | CB-854 STA. 28+62.02 T/C=367.47 INV IN=355.35 (CB-818) INV OUT=362.56 |
| CB-818 STA. 22+73.86 T/C=361.82 INV IN=356.25 (CB-820) INV OUT=357.00 | CB-853 STA. 28+94.71 T/C=365.53 INV IN=362.28 (CB-854) INV OUT=361.78 |
| CB-820 STA. 24+05.93 T/C=363.30 INV IN=357.15 (CB-822) INV OUT=357.00 | CB-850 STA. 28+89.30 T/C=365.80 INV IN=357.10 (CB-854) INV OUT=356.25 |
| CB-821 STA. 24+05.93 T/C=363.30 INV IN=357.15 (CB-822) INV OUT=357.00 | CB-851 STA. 28+94.71 T/C=365.53 INV IN=362.28 (CB-854) INV OUT=361.78 |
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NOTE
WATER SERVICES ALONG SOLACE WAY MAY NEED TO BE ADJUSTED VERTICALLY TO AVOID CONFLICTING WITH STORM DRAINAGE TRUNK LINE.

SOLACE WAY

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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City of Raleigh Development Approval: Timothy Beasley
City of Raleigh Review Officer:

SITE PERMITTING APPROVAL
Water and Sewer Permits (if applicable)
The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # S-3935.
The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook, City of Raleigh Public Utilities Department Permit # W-3852.
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M:\Projects\AWH\20000\Production\Engineering\Construction Drawings\AWH20000-CD-PKG-02-P3.dwg, 5/17/2023 3:06:17 PM, Sherrill Williams

McADAMS
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RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663
CONTACT: BOB MISHLER
ASHTON WOODS.

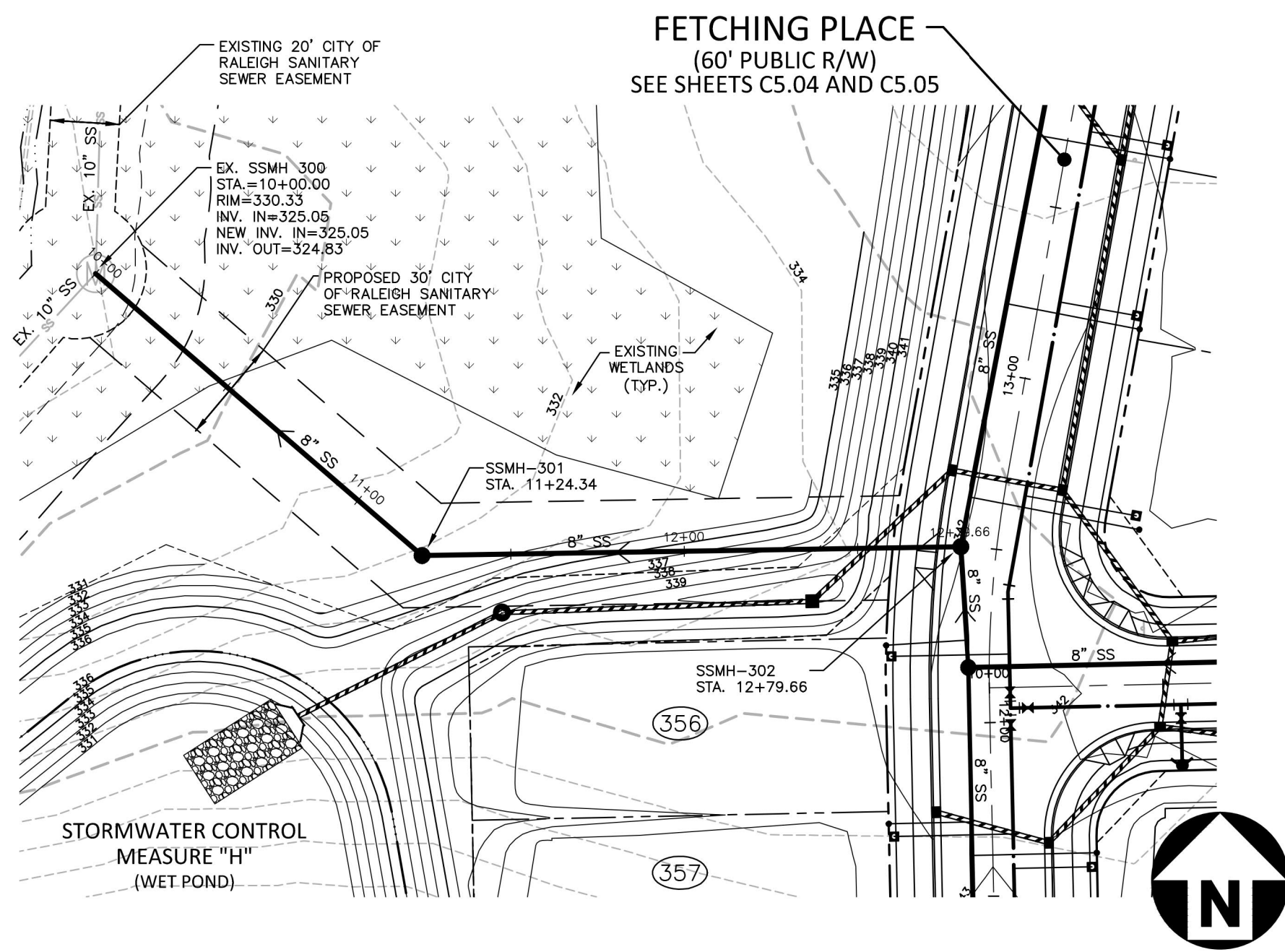
REVISIONS
NO. DATE

Professional Engineer Seal
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 22630
WILLIAM T. O'DANIEL
W.T.O.

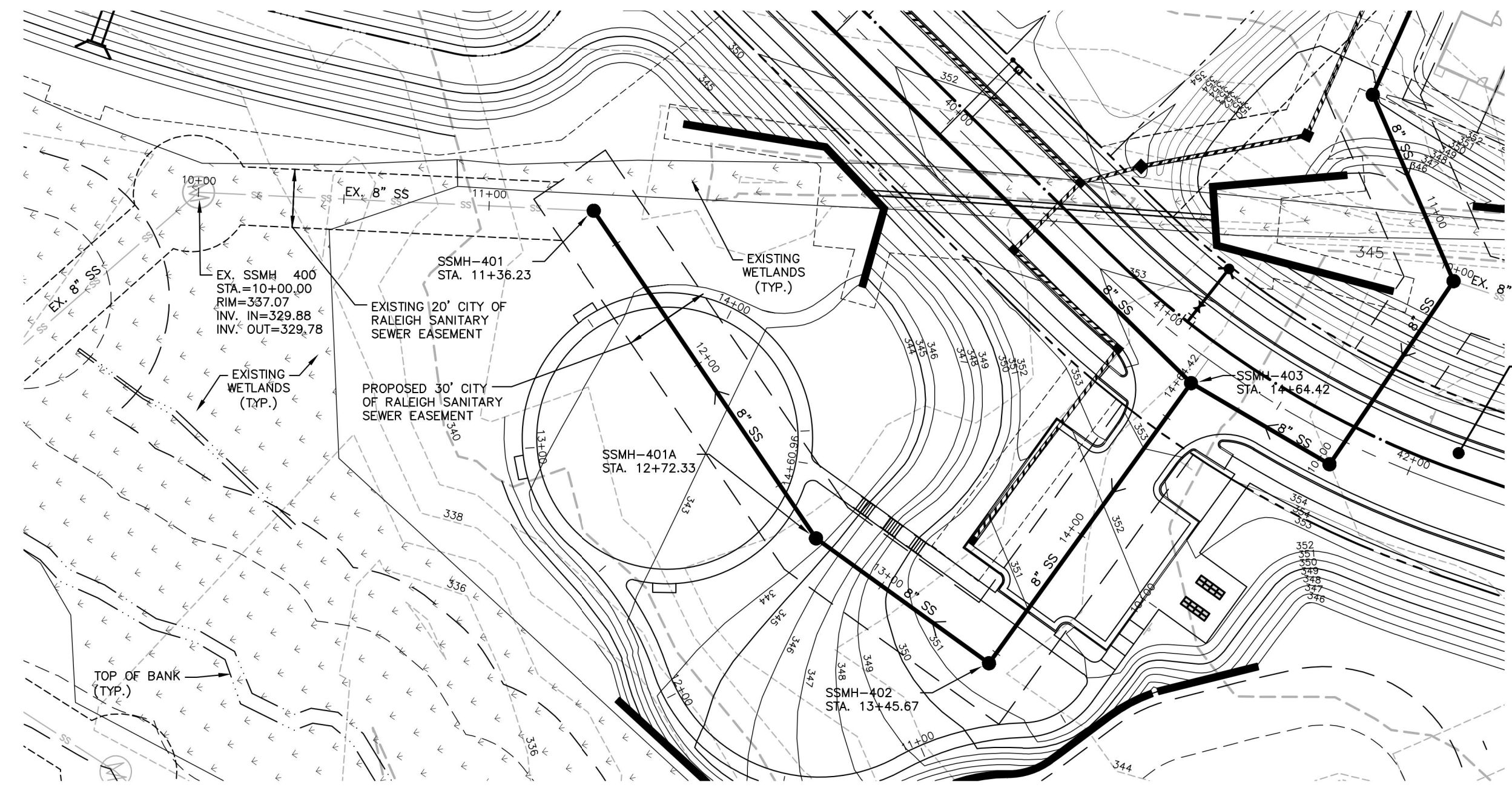
THE POINT - PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION
PROJECT NO. AWH-20000
FILENAME AWH20000-CD-PKG-02-P3
CHECKED BY WTO
DRAWN BY SRW
SCALE 1"=40'/1"=4'
DATE 05.08.2023

PLAN AND PROFILE
SOLACE WAY, STA. 22+00 THRU STA. 34+00
C5.12
CD 20-08



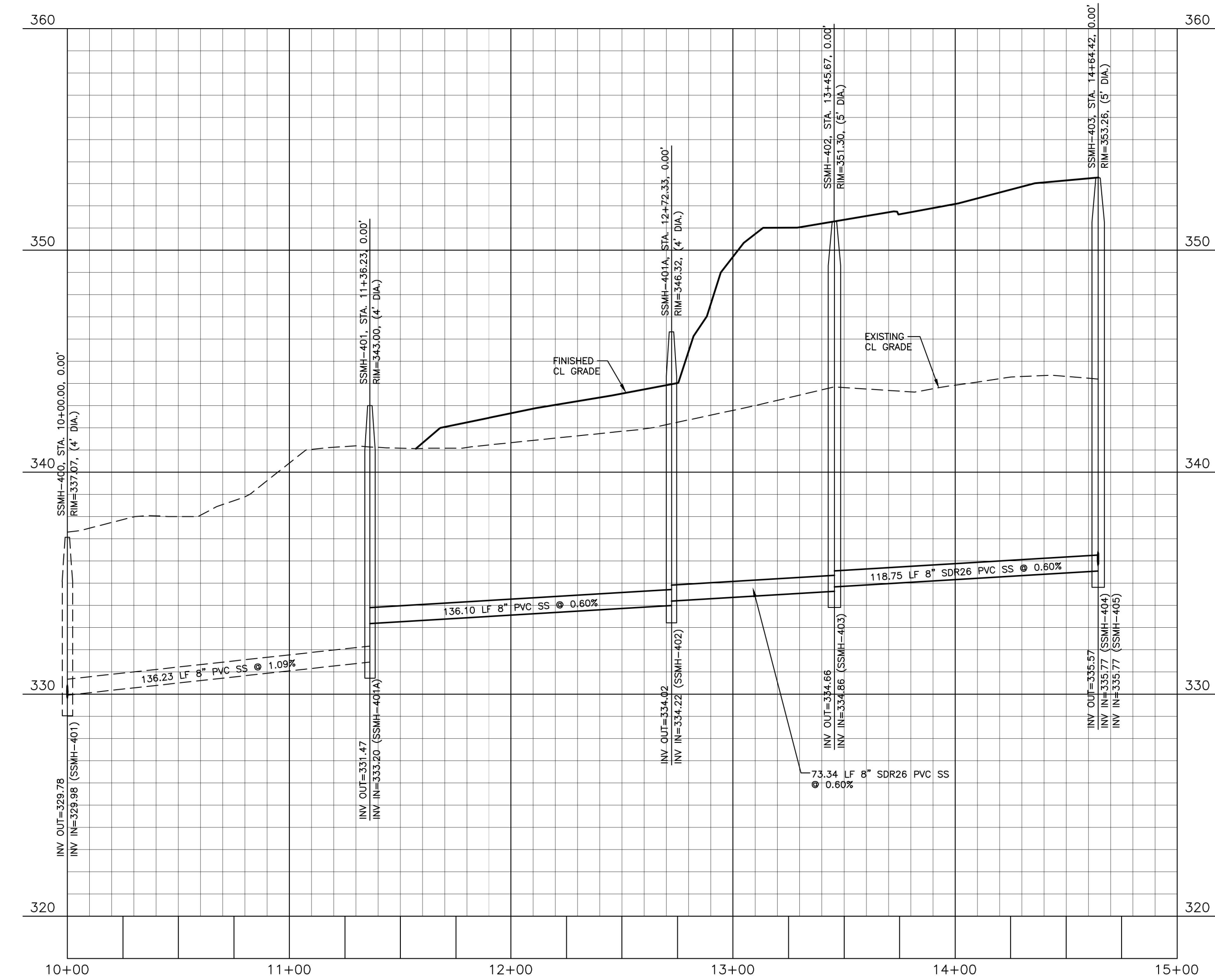
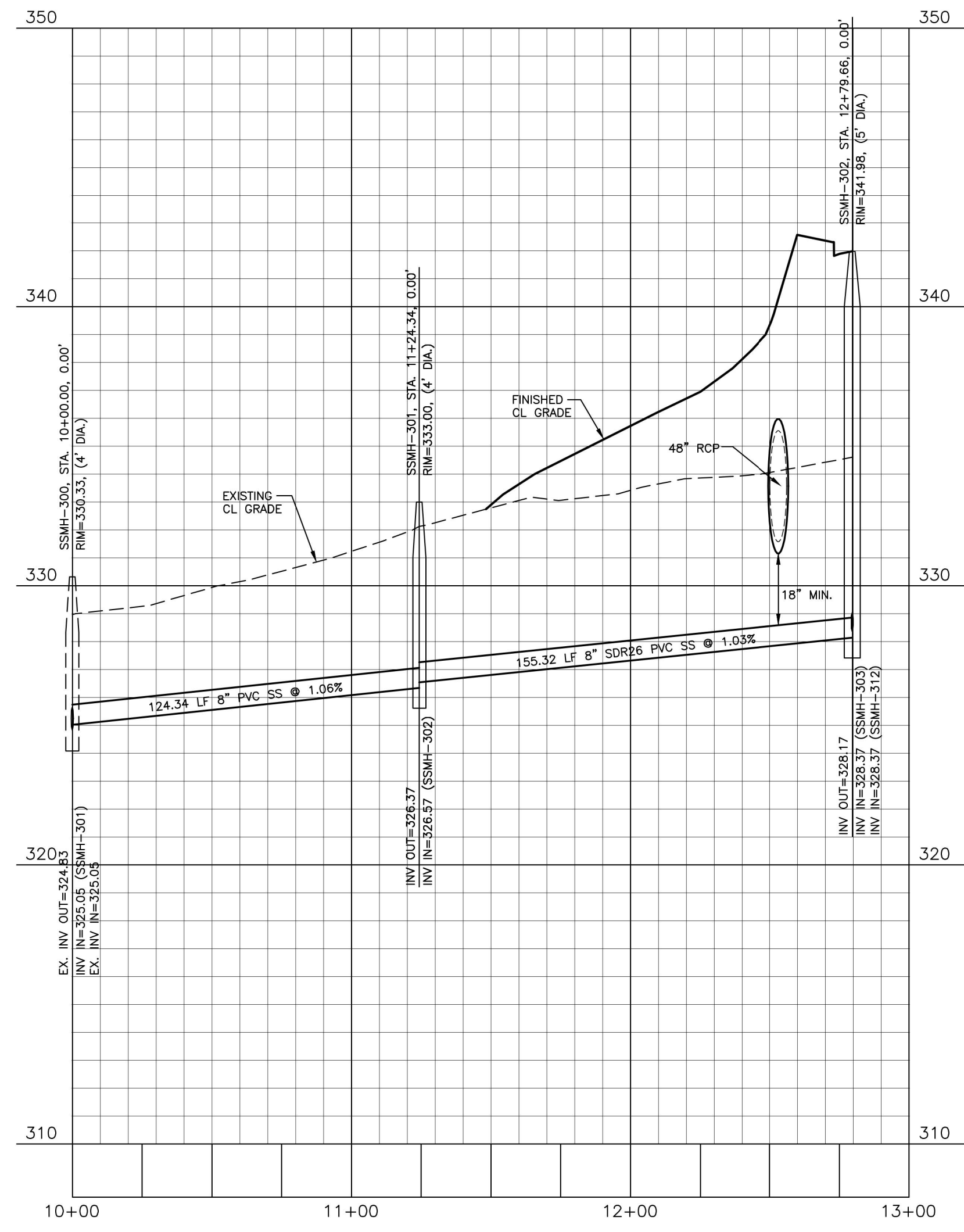
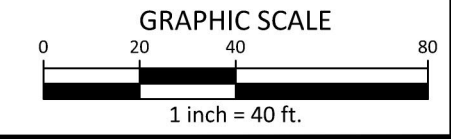
SANITARY SEWER O/F "D"



SANITARY SEWER O/F "E"

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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 City of Raleigh Review Officer

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 City of Raleigh Public Utilities Department Permit # _____



FINAL DRAWING - RELEASED FOR CONSTRUCTION

M:\Projects\AWH\20000\Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-PKG-02-P4.dwg, 5/17/2023 3:31:03 PM, Sherrill Williams

The John R. McAdams Company, Inc.
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 900 RIDGEBLVD DRIVE, SUITE 335
 RALEIGH, NORTH CAROLINA 27609
 PHONE: 919. 422. 7663
 CONTACT: BOB MISHLER

REVISIONS

| NO. | DATE |
|-----|------|
| | |

William T O'Daniel
 cn=William T O'Daniel, c=US,
 o=North Carolina,
 email=odaniel@mcadamsco.com
 2023.05.05 15:21:34 -0400

THE POINT - PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

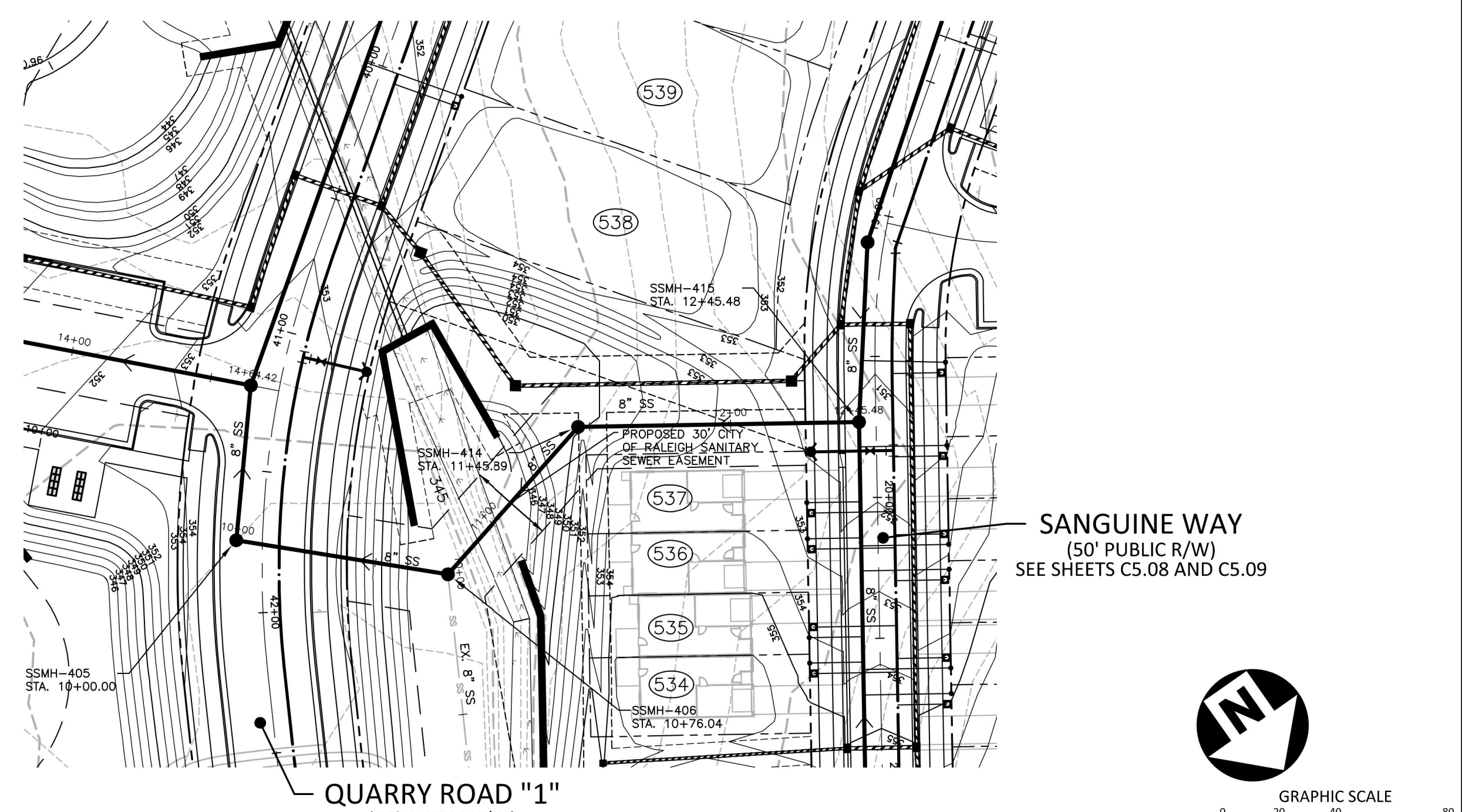
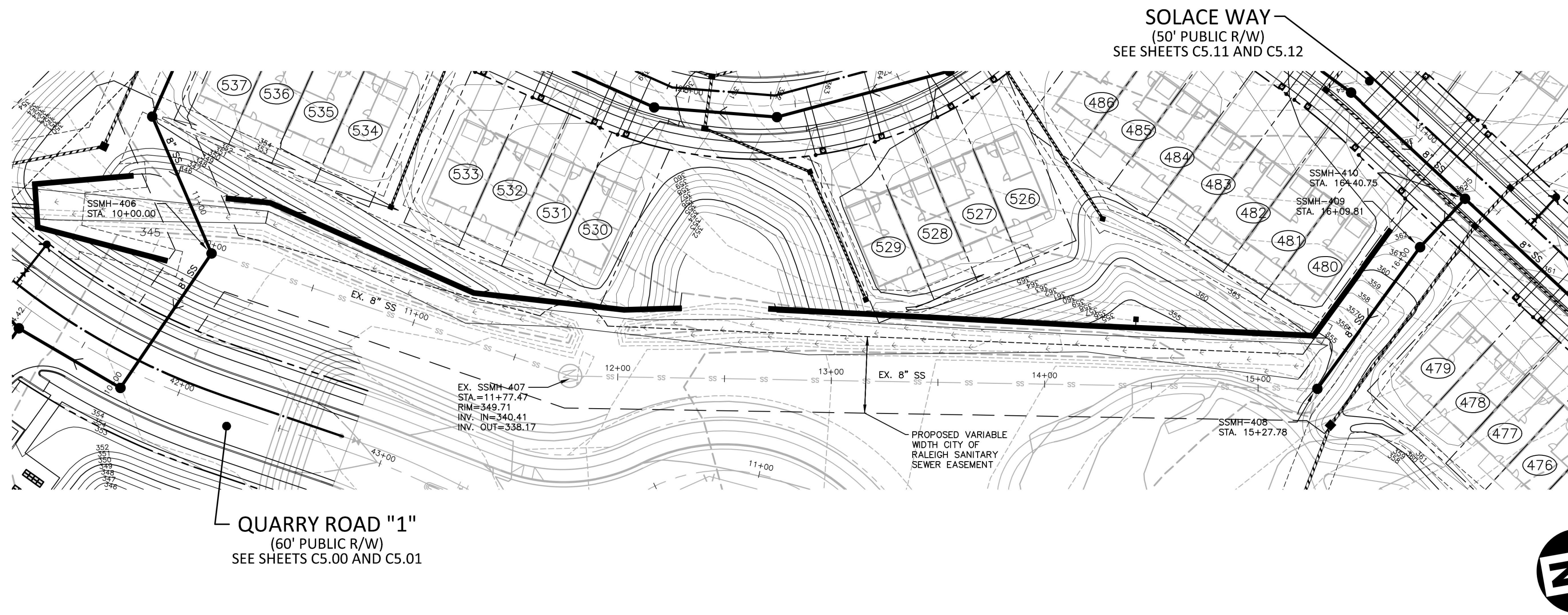
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| FILENAME | AWH20000-CD-PKG-02-P4 |
| CHECKED BY | WTO |
| DRAWN BY | SRW |
| SCALE | 1"=40'/1"=4' |
| DATE | 05.08.2023 |

PLAN AND PROFILE
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 SS O/F "E", STA. 10+00 THRU STA. 15+00

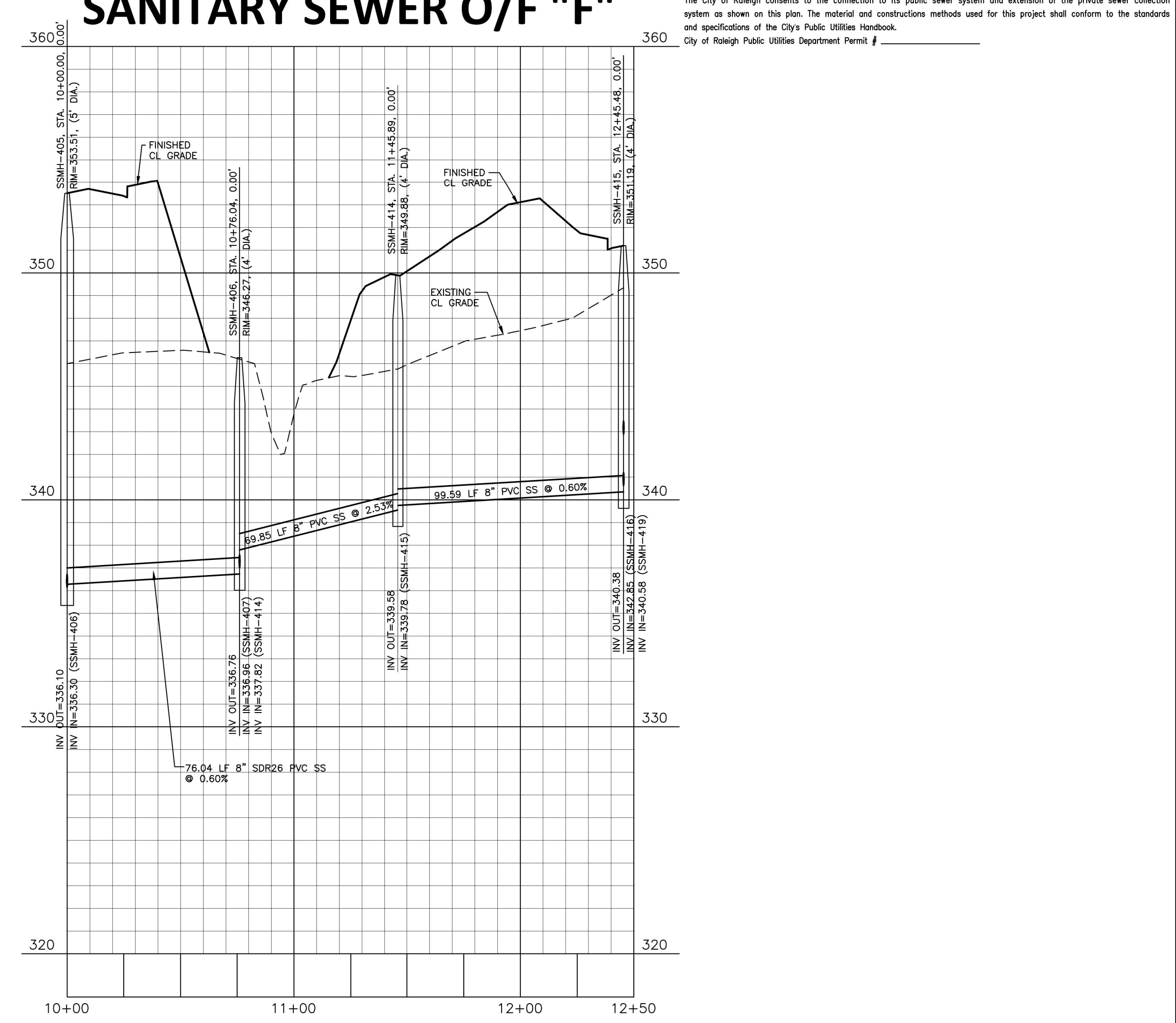
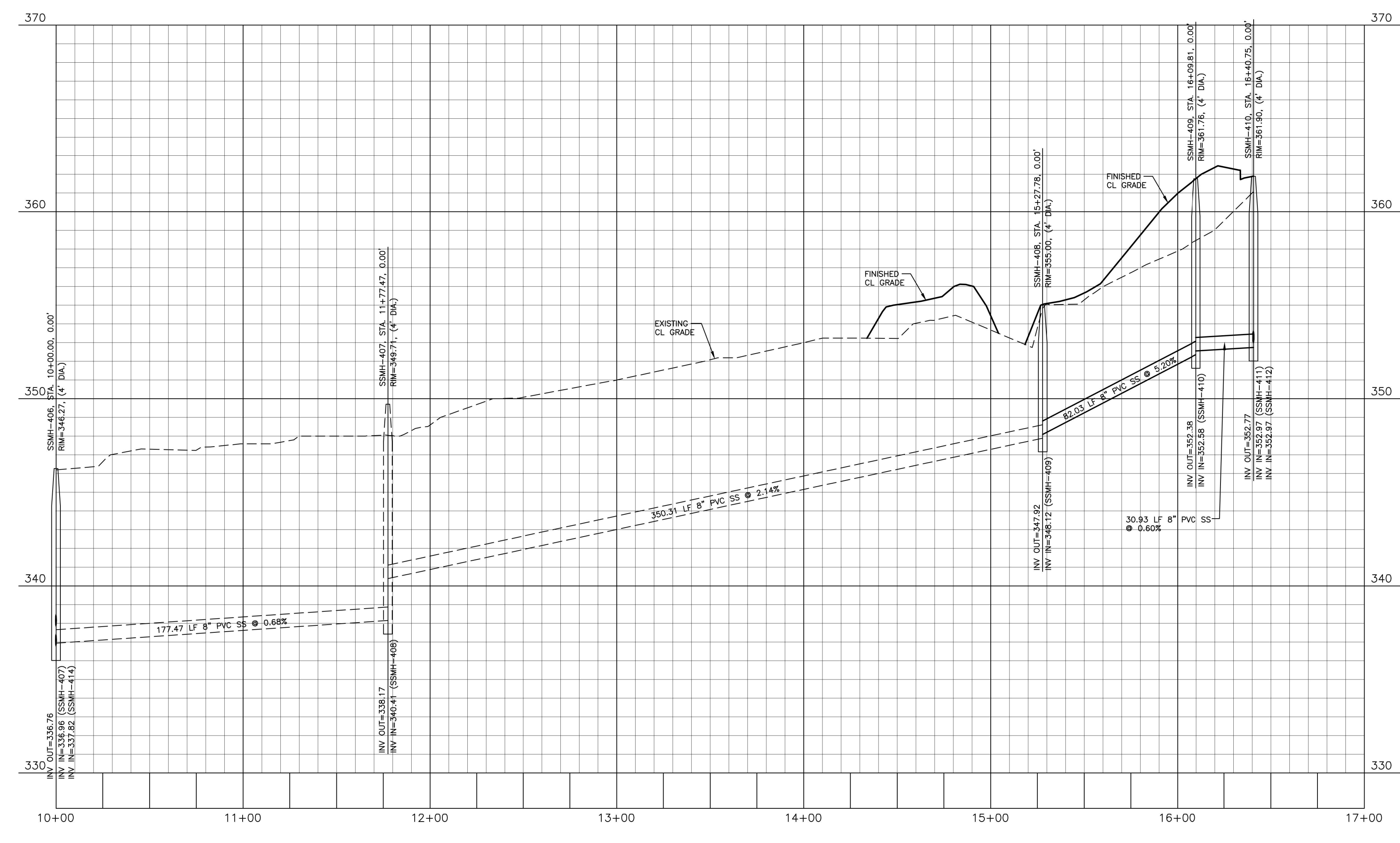
CD 20-08

C5.13



SANITARY SEWER O/F "G"

SANITARY SEWER O/F "F"



CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
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 City of Raleigh Development Approval
 City of Raleigh Review Officer

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 City of Raleigh Public Utilities Department Permit # _____

FINAL DRAWING - RELEASED FOR CONSTRUCTION

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 fax 919. 361. 2269
 license number: C-0293, C-187
 www.mcadamsco.com

CLIENT
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 900 RIDGEFIELD DRIVE, SUITE 335
 RALEIGH, NORTH CAROLINA 27609
 PHONE: 919. 422. 7663
 CONTACT: BOB MISHLER

REVISIONS

| NO. | DATE |
|-----|------|
| | |

William T. O'Daniel
 c/o William T. O'Daniel, c=US,
 o=North Carolina,
 email=odaniel@mcadamsco.com
 2023.05.05 15:21:50 -04'00'

THE POINT - PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

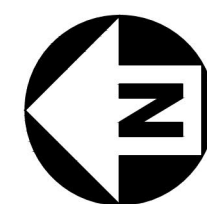
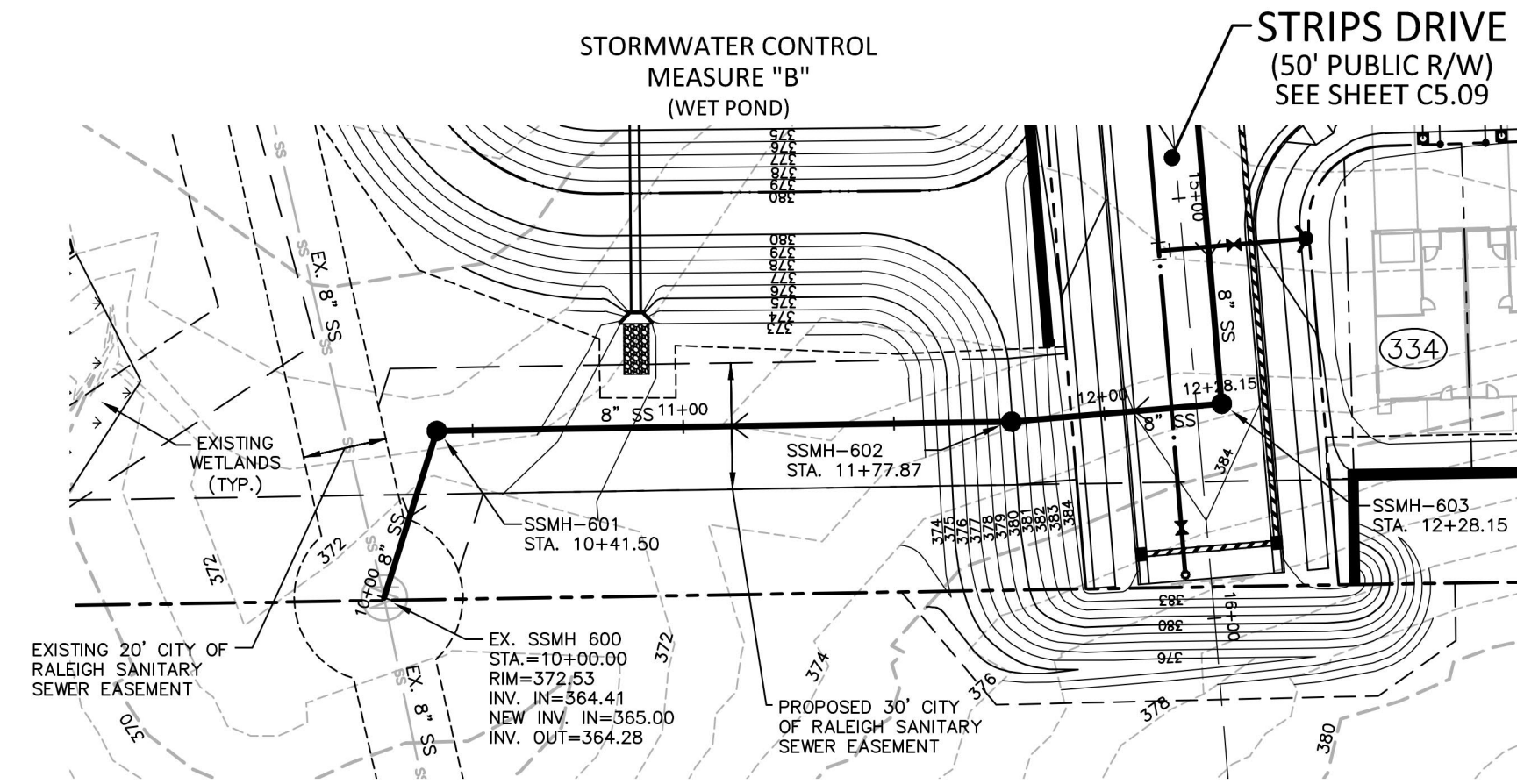
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| CHECKED BY | WTO |
| DRAWN BY | SRW |
| SCALE | 1"=40'/1"=4' |
| DATE | 05.08.2023 |

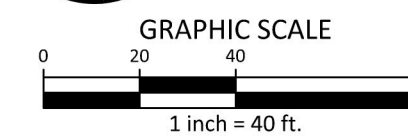
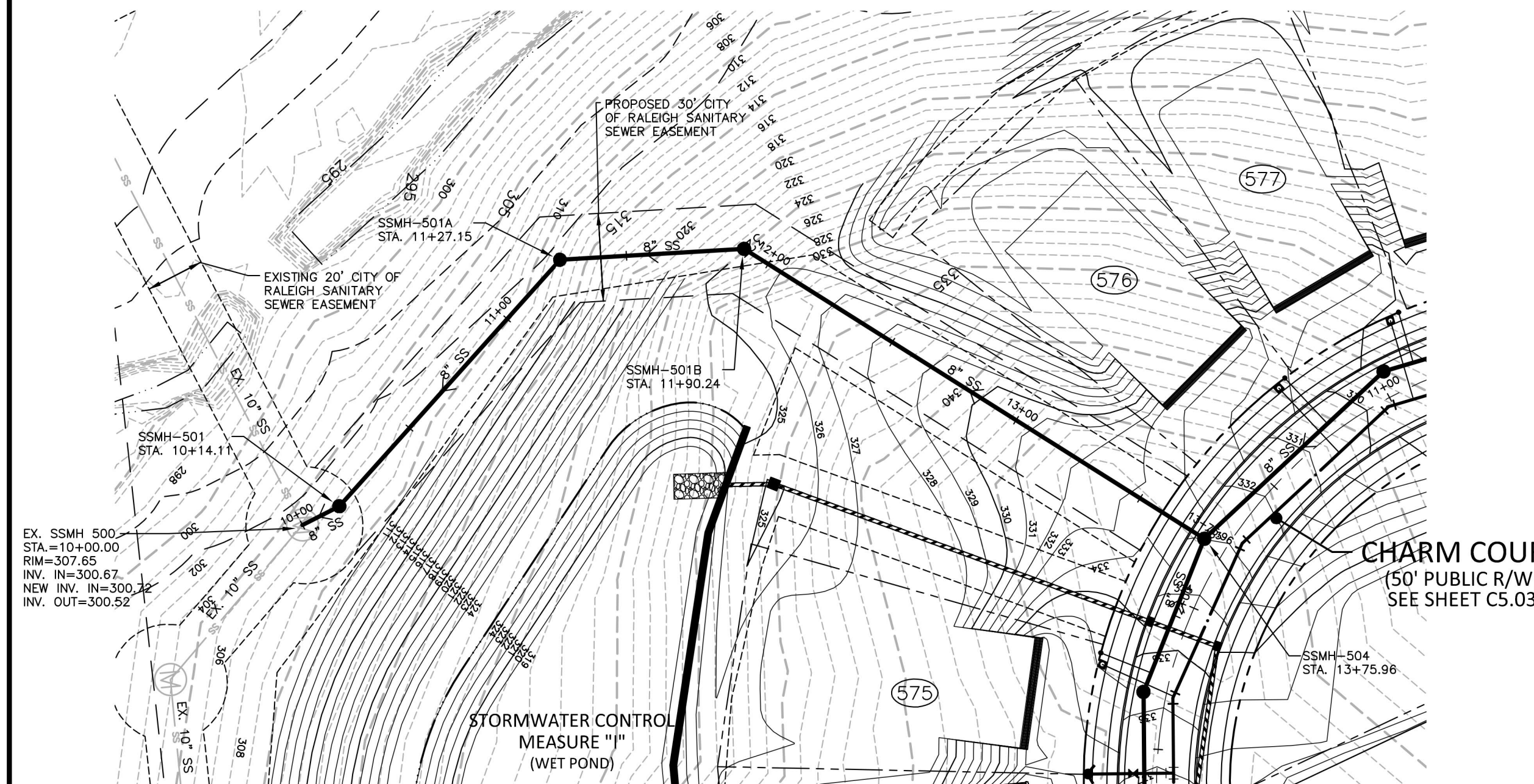
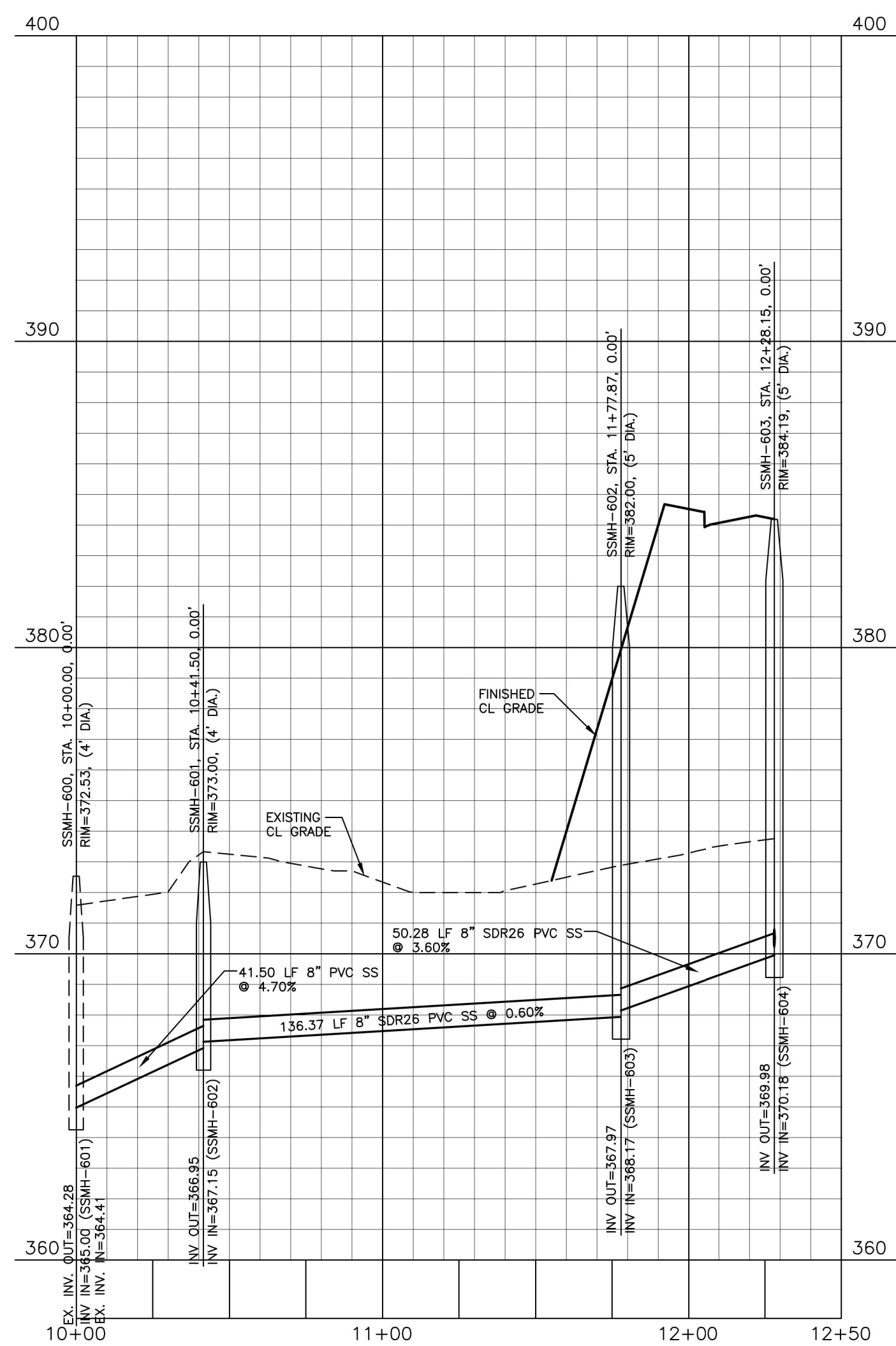
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 SS O/F "F", STA. 10+00 THRU STA. 12+50

C5.14

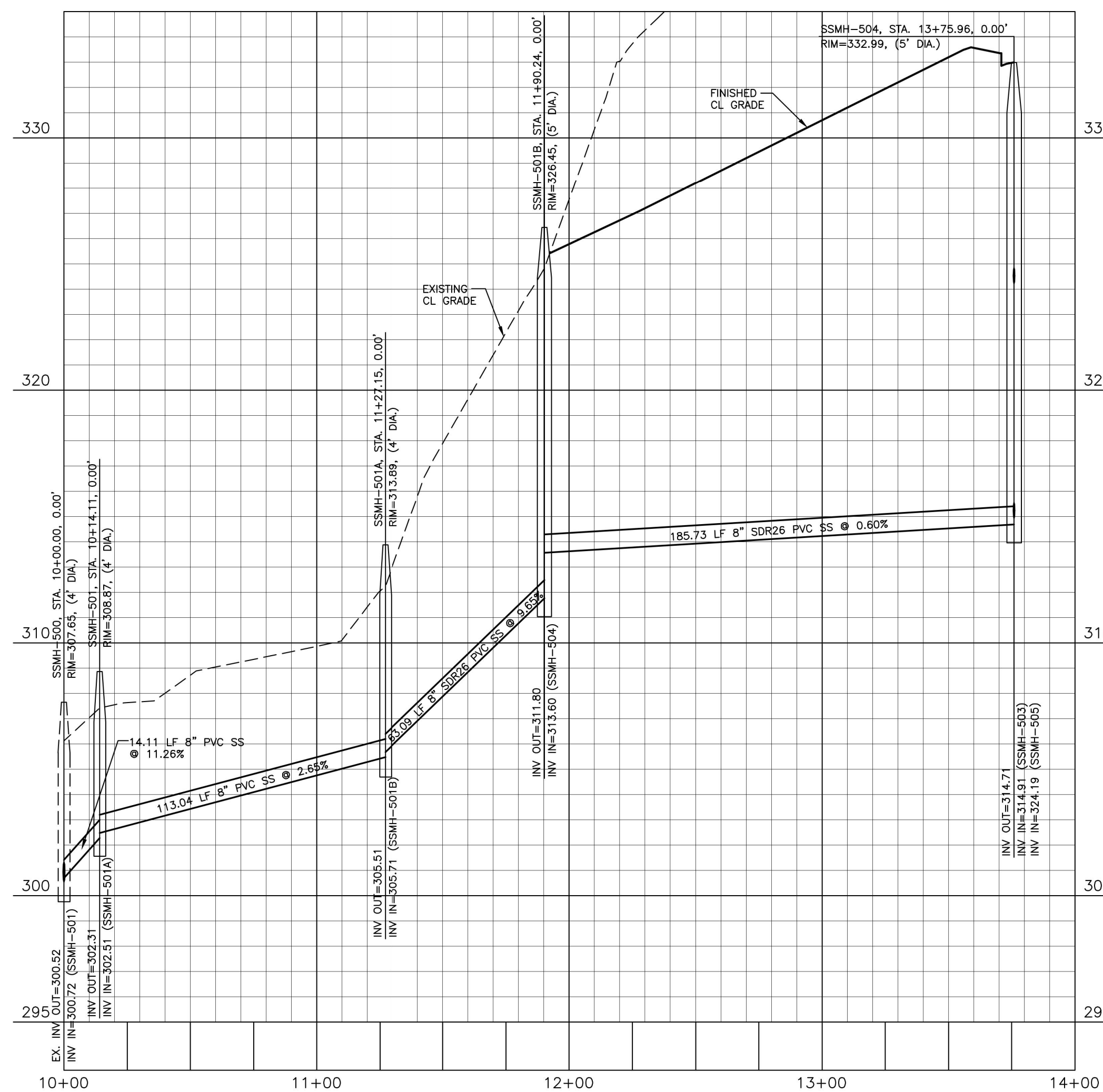
CD 20-08



SANITARY SEWER O/F "H"



SANITARY SEWER O/F "I"



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 City of Raleigh Public Utilities Department Permit # _____

City of Raleigh Review Officer

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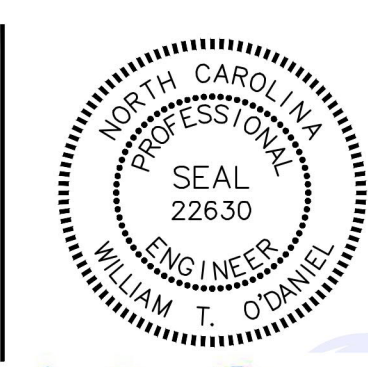
FINAL DRAWING - RELEASED FOR CONSTRUCTION



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 PHONE: 919. 422. 7663
 CONTACT: BOB MISHLER
 ASHTON WOODS.

REVISIONS
 NO. DATE



William T O'Daniel
 c/o=William T O'Daniel, c=US,
 o=North Carolina
 email=odaniel@mcadamsco.com
 2023.05.05 15:22:10 -04'00'

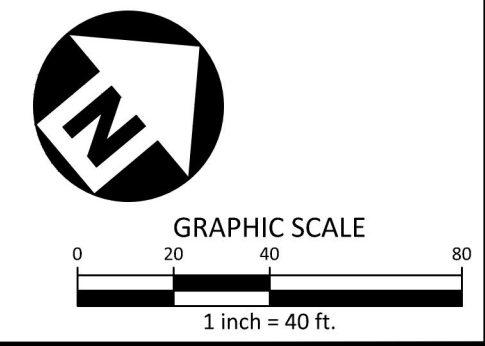
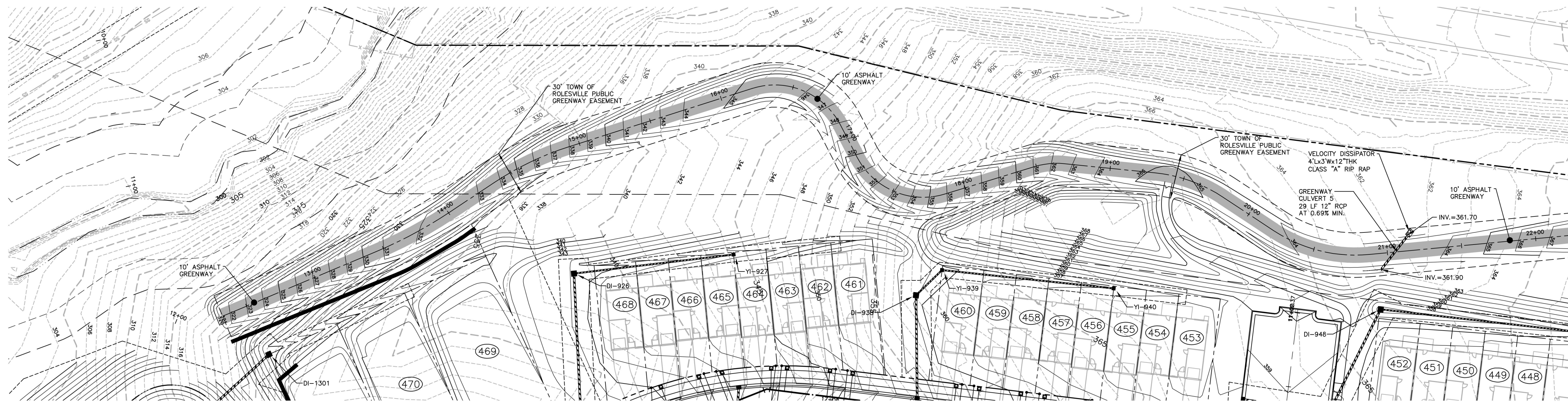
THE POINT - PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION
 PROJECT NO. AWH-20000
 FILENAME AWH20000-CD-PKG-02-P1
 CHECKED BY WTO
 DRAWN BY SRW
 SCALE 1"=40'/1"=4'
 DATE 05.08.2023

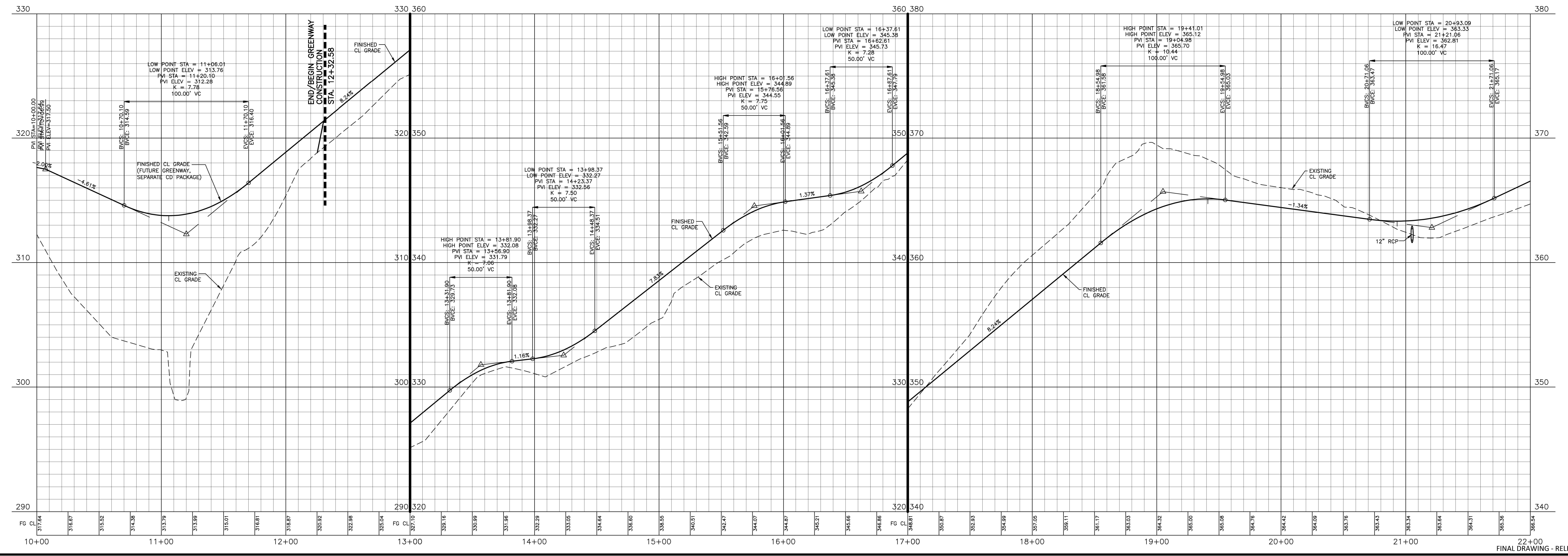
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PLAN AND PROFILE
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 SS O/F "I", STA. 10+00 THRU STA. 14+00

C5.15



GREENWAY "3"



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FINAL DRAWING - RELEASED FOR CONSTRUCTION



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license number: C-0293, C-187

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PHONE: 919. 422. 7663
CONTACT: BOB MISHLER



ASHTON WOODS.

REVISIONS

| NO. | DATE |
|-----|------|
| | |



William T O'Daniel
c=William T O'Daniel, c=US,
o=North Carolina,
email=odaniel@mcadamsco.com
2023.05.05 15:22:26 -04'00'

THE POINT - PHASES 3, 4, 5, 7 AND 10

CONSTRUCTION DRAWINGS - PACKAGE 2

TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

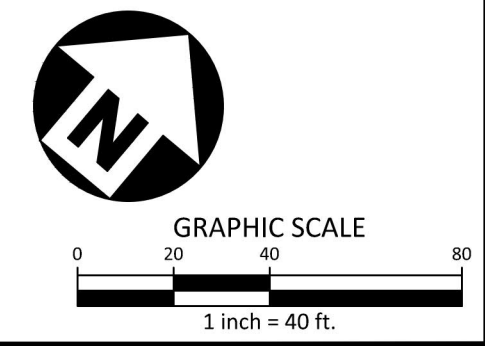
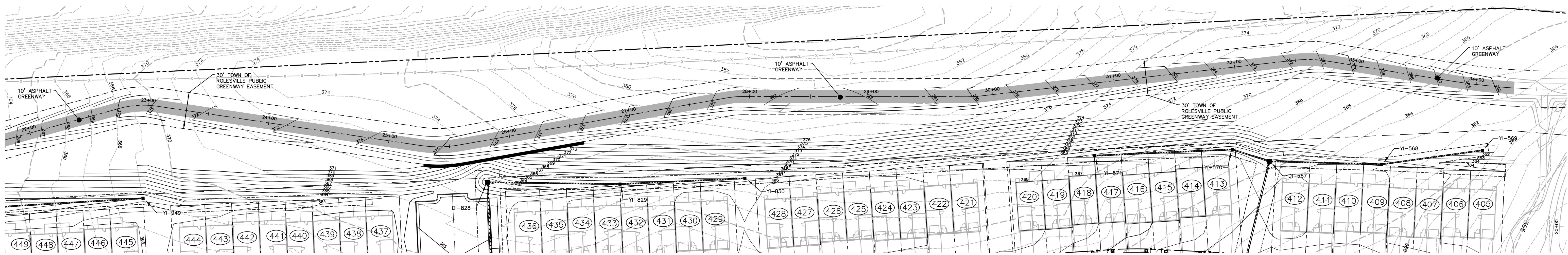
PLAN INFORMATION

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| PROJECT NO. | AWH-20000 |
| FILENAME | AWH20000-CD-PKG-02-PA |
| CHECKED BY | WTO |
| DRAWN BY | SRW |
| SCALE | 1"=40'/1"=4' |
| DATE | 05.08.2023 |

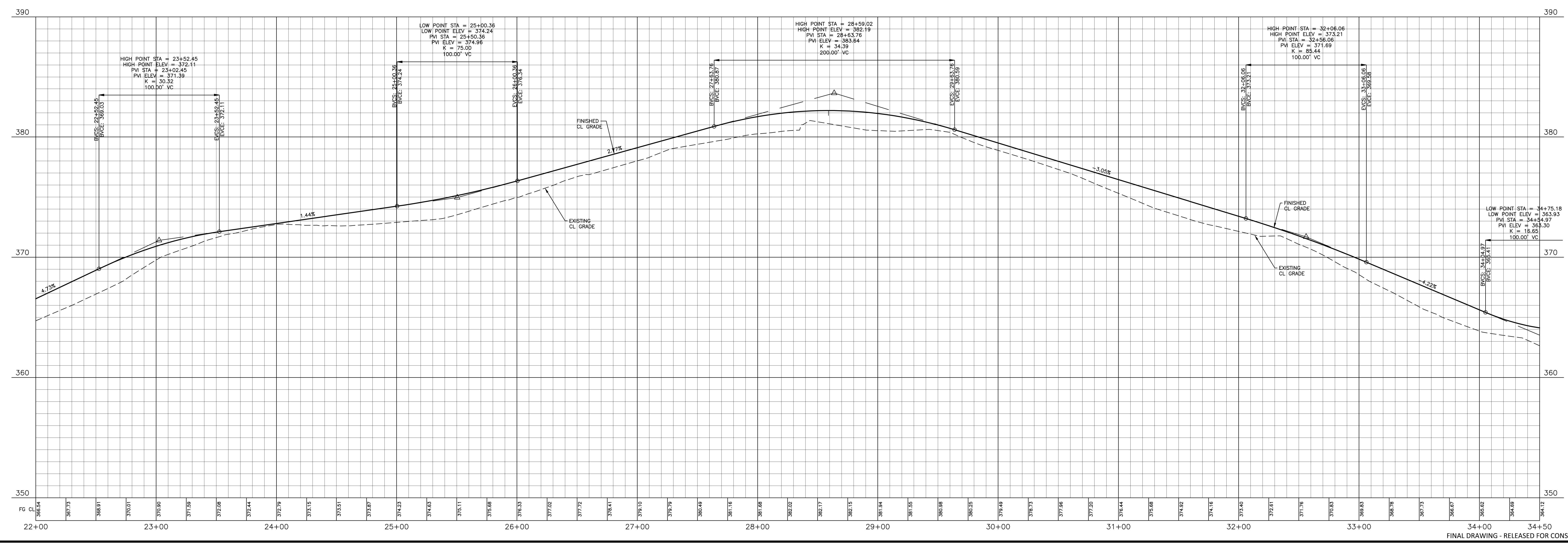
PLAN AND PROFILE
GREENWAY "3", STA. 10+00 THRU STA. 22+00

C5.16

CD 20-08



GREENWAY "3"



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ASHTON WOODS.

REVISIONS

| NO. | DATE |
|-----|------|
| | |

William T. O'Daniel
c=William T. O'Daniel, c=US,
o=North Carolina,
email=odaniel@mcadamsco.com
2023.05.05 15:22:46 -04'00'

THE POINT - PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA

PLAN INFORMATION

| | |
|-------------|-----------------------|
| PROJECT NO. | AWH-20000 |
| FILENAME | AWH20000-CD-PKG-02-PA |
| CHECKED BY | WTO |
| DRAWN BY | SRW |
| SCALE | 1"=40'/1"=4' |
| DATE | 05.08.2023 |

PLAN AND PROFILE
GREENWAY "3", STA. 22+00 THRU STA. 34+50

C5.17

FINAL DRAWING - RELEASED FOR CONSTRUCTION

CD 20-08

EROSION CONTROL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF WENDELL AND WAKE COUNTY STANDARDS, SPECIFICATIONS AND DETAILS.
- GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE WAKE COUNTY SOIL AND EROSION CONTROL STANDARDS AND SPECIFICATIONS.
- GRADING AND EROSION CONTROL METHODS SHALL ADHERE TO THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER QUALITY (DWQ) STANDARDS AND SPECIFICATIONS. WHERE DIFFERENT FROM WAKE COUNTY STANDARDS, THE MORE STRINGENT METHOD SHALL BE APPLIED.
- FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY EITHER THE COUNTY EROSION CONTROL DEPARTMENT OR THE DWQ.
- CONTRACTOR SHALL SEED AND STABILIZE ALL STEEP SLOPES (GREATER THAN 2H:1V) WITHIN 7 DAYS, 10 DAYS FOR MODERATE SLOPES (3H:1V OR GREATER) AND WITHIN 14 CALENDAR DAYS EVERYWHERE ELSE (STATE LAW 2009-486).
- FOR ANY LAND-DISTURBING ACTIVITY WHERE GRADING ACTIVITIES HAVE BEEN COMPLETED, TEMPORARY OR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION SHALL BE PROVIDED AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER COMPLETING THE WORK. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDEED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE ON THE PLAN.
- NO DEBRIS SHALL BE TRACKED ONTO PUBLIC RIGHT OF WAY. IF THE SITUATION OCCURS WHERE MUD, ROCK AND DEBRIS IS TRACKED ONTO PAVEMENT, THE CONTRACTOR SHALL CLEAN THE PAVEMENT AND INSTALL ADDITIONAL MEASURES TO PREVENT THE FUTURE OCCURRENCE.
- THE EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL FIELD MEASURES AS NECESSARY TO PROVIDE ADEQUATE PROTECTION FROM RECEIVING WATER COURSES.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. THE CONTRACTOR SHALL CALL FOR AN INSPECTION BY WAKE COUNTY SEDIMENTATION AND EROSION CONTROL (SEC) ONCE INITIAL MEASURES ARE IN PLACE. (SEE CONSTRUCTION SEQUENCE)
- CONTRACTOR SHALL INSPECT ALL SEDIMENT /EROSION CONTROL DEVICES AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
- A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
- ANY GRADING BEYOND THE DENUDEED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY/COUNTY ENGINEERING DEPARTMENT AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE STRIPPING OF TOPSOIL OR LOWERING OF EXISTING GRADE AROUND A TREE, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FURTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA AND SHALL BE POSTED ON THE PROTECTION FENCE. A PROTECTION FENCE CONSTRUCTED OF MATERIAL RESISTANT TO DEGRADATION BY SUN, WIND, AND MOISTURE FOR THE DURATION OF THE CONSTRUCTION, SHALL BE INSTALLED AT THE SAME TIME AS THE EROSION CONTROL MEASURES AND SHALL BE IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
- A CONSTRUCTION SEQUENCE HAS BEEN PROVIDED. INSTALLATION OF ALL PROPOSED SEDIMENTATION & EROSION CONTROL MEASURES IN THE SEQUENCE(S) PROVIDED AND MAINTENANCE OF THOSE DEVICES IS REQUIRED. THE CONTRACTOR MAY BE ALLOWED, WITH PRIOR APPROVAL FROM THE OWNER, TO COORDINATE CHANGES TO THE PLAN WITH THE ON-SITE SEDIMENTATION & EROSION CONTROL INSPECTOR AND THE ENGINEER.
- PROVIDE INLET PROTECTION AROUND ALL SITE STORM INLETS. PROTECT OPEN PIPES UNDER CONSTRUCTION WITH EITHER PLYWOOD OR WITH MESH AND GRAVEL WEIRS. RUNOFF SHALL NOT BE ALLOWED IN ANY OPEN TRENCH.
- CONTRACTOR WILL FIELD LOCATE SILT FENCE OUTLETS AT LOW POINTS IN SILT FENCE AS REQUIRED TO PROVIDE RELIEF FROM CONCENTRATED FLOWS.
- TEMPORARY DIVERSIONS SHALL BE MAINTAINED DAILY BY CONTRACTOR SO THAT THEY ARE FUNCTIONAL AT THE END OF EACH WORKDAY AND WHEN STOPPING WORK FOR RAIN.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- DISTURBANCE OUTSIDE OF THE SITE PROPERTY LIMITS OR PUBLIC RIGHT-OF-WAY SHALL ONLY BE AS ALLOWED BY SIGNED GRADING AGREEMENTS AND/OR EASEMENTS BETWEEN THE DEVELOPER AND THE OFFSITE PROPERTY OWNER.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE OPEN ACCESS TO ALL PROPERTIES ALONG ADJACENT PROPERTIES DURING CONSTRUCTION PERIOD FOR IMPROVEMENTS.
- STORM DRAINAGE STRUCTURE LOCATIONS AND PIPE SIZES SUBJECT TO FINAL CONSTRUCTION DRAWING APPROVAL.

CONSTRUCTION SEQUENCE - STAGE 1:

- OBTAIN GRADING PERMIT FROM THE WAKE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.
- CALL ENVIRONMENTAL CONSULTANT JEEVAN NEUPANE, PE (919-819-8907) TO SCHEDULE A PRE-CONSTRUCTION MEETING. NOTIFY OWNER AND ENGINEER WHEN PRECON IS SCHEDULED SO THEY MAY ALSO ATTEND.
- CONTRACTOR WILL BE REQUIRED TO SUBMIT SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO WAKE COUNTY INSPECTIONS THROUGHOUT THE PROJECT.
- INSTALL THE FOLLOWING EROSION AND SEDIMENTATION CONTROL DEVICES PER THE APPROVED PLAN IN THE FOLLOWING ORDER:
 - GRAVEL CONSTRUCTION ENTRANCES AND TEMPORARY ACCESS ROADS.
 - INSTALL TEMPORARY "CLEAN WATER" DIVERSION DITCHES AS SHOWN ON SHEET C6.10A.
 - TREE PROTECTION FENCE
 - SILT FENCING SURROUNDING SITE WITH SILT FENCE OUTLETS.
 - INLET PROTECTION FOR EXISTING INLETS WITHIN ROADWAYS.
 - SKIMMER BASINS WITH POROUS BAFFLES AND OUTLET PROTECTION.
 - TEMPORARY DIVERSION DITCHES WITH SPECIFIED LINERS.
 - STORM DRAINAGE BYPASS SYSTEM "1500" FROM EW-1500 AT ON-SITE STREAM BUFFER TO JB-1055 NEAR E. YOUNG STREET.
- CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CLEAR AND GRUB AREA FOR FUTURE CONSTRUCTION. CONTRACTOR TO COORDINATE WITH DEVELOPER TO OBTAIN NECESSARY OFFSITE EASEMENTS.
- WHEN STAGE 1 CONSTRUCTION IS COMPLETE, CALL WAKE COUNTY ENVIRONMENTAL SERVICES FOR INSPECTION. PROCEED TO STAGE 2.
- MAINTAIN DEVICES AS NEEDED IN ACCORDANCE WITH THE NOTES ON THIS SHEET.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
- CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION CONTROL DEVICES ONCE PER WEEK AND AFTER EVERY RAINFALL EVENT. GRADING ACTIVITY SHALL BE PROHIBITED IN THE AREAS OF THE SEDIMENT CONTROL DEVICES UNTIL THE AREAS UPSTREAM OF THESE DEVICES HAVE BEEN STABILIZED AND APPROVED.

CONSTRUCTION SEQUENCE - STAGE 2:

- BEGIN MASS GRADING OF SITE. AS AREAS ARE BROUGHT UP TO PROPOSED GRADE, STABILIZE SITE WITH VEGETATION. ADJUST DIVERSION DITCHES AS NECESSARY TO MAINTAIN FLOW TO SKIMMER BASINS.
- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE IN DIVERSION DITCHES AND TO SEDIMENT BASINS AT ALL TIMES THROUGHOUT CONSTRUCTION.
- SUBMIT DOCUMENTATION REQUIRED UNDER THE SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO WAKE COUNTY THROUGHOUT THE PROJECT.
- ALL OFF-SITE STREETS SHALL BE KEPT CLEAN AS NOTED IN EROSION CONTROL NOTES DURING HAUL OFF OF EXCAVATED MATERIAL.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF INACTIVITY.
- PRIOR TO THE REMOVAL, REDUCTION OR CONVERSION OF ANY SEDIMENT BASIN, THE CONTRACTOR IS TO CONTACT THE WAKE COUNTY ENVIRONMENTAL CONSULTANT JEEVAN NEUPANE, PE (919-819-8907).

EROSION CONTROL MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BY THE SITE CONTRACTOR FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL MEASURES AS DESIGNED.
 - THE SEDIMENT BASINS SHALL BE INSPECTED REGULARLY DURING LAND DISTURBING ACTIVITIES AND AFTER EACH RUNOFF-PRODUCING RAINFALL. SEDIMENT SHALL BE REMOVED AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF EACH BASIN. PORTIONS OF THE BASIN'S GRAVEL FACING THAT ARE CONTAMINATED BY SEDIMENT SHALL BE REPLACED WITH FRESH GRAVEL DURING EACH SEDIMENT REMOVAL EPISODE.
 - SEDIMENT FENCES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED AS NEEDED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAINFALL EVENT, AND TO REDUCE PRESSURE ON THE FENCE. FENCING MATERIALS AND SEDIMENT DEPOSITS SHALL BE REMOVED, AND THE AREA BROUGHT TO GRADE FOLLOWING STABILIZATION OF UPGRADIENT DISTURBED AREAS.
 - DIVERSION DITCHES MUST REMAIN IN PLACE UNTIL PROJECT IS STABILIZED. PERMISSION SHALL BE GIVEN BY THE EROSION CONTROL INSPECTOR FOR REMOVAL UPON COMPLETION OF PERMANENT UPSTREAM STABILIZATION.
- IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
- THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE IS REQUIRED.
- ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).
- STOCKPILE MUST HAVE SILT FENCE WRAPPED AROUND THE LOW SIDE(S) AND A SILT FENCE OUTLET AT ALL LOW POINTS.

BASIN REMOVAL SEQUENCE

- SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL ENGINEER/CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
- REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF CULVERT PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
- PERFORM SEEDBED PREPARATION, SEED, MULCH AND ASPHALT TACK ANY RESULTING BARE AREAS IMMEDIATELY.
- INSTALL VELOCITY DISPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
- WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL ENGINEER/CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION.

NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL ENGINEER/CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

TEMPORARY DIVERSION DITCH DESIGN TABLE

| | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TEMPORARY DIVERSION ID | TD-1 | TD-2 | TD-3 | TD-5 | TD-6 | TD-7 | TD-8 | TD-9 | TD-10 | TD-11 | TD-12 | TD-13 | TD-14 | TD-15 | TD-16 | TD-17 | TD-18 | TD-19 | TD-20 | TD-21 | TD-22 | TD-23 |
| MINIMUM DEPTH (FT) | 0.10 | 0.27 | 0.5 | 1.09 | 0.98 | 0.9 | 0.93 | 0.53 | 1.14 | 0.71 | 0.9 | 0.89 | 0.33 | 1.1 | 1.4 | 0.75 | 0.28 | 0.88 | 1.36 | 0.75 | 0.95 | 0.92 |
| MINIMUM BOTTOM WIDTH (FT) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CALCULATED VELOCITY | 1.98 | 1.34 | 2.01 | 2.87 | 2.15 | 1.86 | 3.06 | 1.61 | 2.47 | 2.37 | 1.87 | 2.38 | 1.21 | 2.49 | 3.37 | 1.67 | 1.88 | 2.97 | 3.51 | 2.15 | 2.74 | 2.28 |
| ALLOWABLE VELOCITY | 2.00 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| CALCULATED SHEAR STRESS | 0.31 | 0.84 | 0.30 | 1.08 | 0.89 | 0.98 | 1.49 | 0.71 | 0.71 | 0.27 | 0.98 | 0.96 | 0.49 | 0.77 | 0.95 | 0.46 | 1.00 | 1.49 | 1.10 | 0.94 | 1.19 | 0.96 |
| ALLOWABLE SHEAR STRESS | N/A | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.75 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| TEMPORARY LINER SPECIFICATION | NONE | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S190 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 | ERONET S75 |

SEDIMENT TRAP DESIGN TABLE

| | | | | | | | | | | | | |
|---------------------------------|----------|----------|---------|----------|----------|----------|---------|----------|----------|-----------|----------|----------|
| SEDIMENT TRAP ID | SB-1 | SB-2 | SB-3 | SB-4 | SB-5 | SB-6 | SB-7 | SB-8 | SB-9 | SB-H | SB-I | SB-J |
| Q10 (CFS) | 10.0 cfs | 27.3 cfs | 3.0 cfs | 13.4 cfs | 12.7 cfs | 22.7 cfs | 3.4 cfs | 32.0 cfs | 41.0 cfs | 44.4 cfs | 14.3 cfs | 44.6 cfs |
| Bottom Length | 86 ft | 144 ft | 40 ft | 96 ft | 94 ft | 130 ft | 60 | N/A | N/A | N/A | N/A | N/A |
| Bottom Width | 58 ft | 70 ft | 19 ft | 48 ft | 47 ft | 64 ft | 30 | N/A | N/A | N/A | N/A | N/A |
| Sediment Depth | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 4.0 ft | 4.0 ft | 5.0 ft | 5.0 ft | 5.0 ft |
| Freeboard (from Sediment Depth) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 2.3 ft | 2.3 ft | 2.3 ft | 2.3 ft | 2.3 ft |
| Depth to Crest of Spillway | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 2.0 ft | 4.0 ft | 4.0 ft | 5.0 ft | 5.0 ft | 5.0 ft |
| Slope | 2.0H:1V | 2.0H:1V | 2.0H:1V | 2.0H:1V | 2.0H:1V | 2.0H:1V | 2.0H:1V | 3.0H:1V | 3.0H:1V | 3.0H:1V | 3.0H:1V | 3.0H:1V |
| Spillway Length | 10 ft | 22 ft | 10 ft | 14 ft | 14 ft | 22 ft | 12 ft | 16 ft | 20 ft | 16 ft | 20 ft | 20 ft |
| Height of Berm | 3.5 ft | 3.5 ft | 3.5 ft | 3.5 ft | 3.5 ft | 3.5 ft | 3.5 ft | 6.25 ft | 6.25 ft | 7.25 ft | 7.25 ft | 7.25 ft |
| Top of Trap Length | 100 ft | 158 ft | 54 ft | 110 ft | 108 ft | 144 ft | 74 ft | N/A | N/A | N/A | N/A | N/A |
| Top of Trap Width | 72 ft | 84 ft | 33 ft | 62 ft | 61 ft | 78 ft | 44 ft | N/A | N/A | N/A | N/A | N/A |
| Storage Volume Required | 4158 cf | 11322 cf | 1242 cf | 5562 cf | 3654 cf | 9414 cf | 1404 cf | 14328 cf | 17028 cf | 19584 cf | 5958 cf | 18540 cf |
| Storage Volume Prov'd. | 11170 cf | 21920 cf | 2040 cf | 10400 cf | 10000 cf | 18240 cf | 4360 cf | 69570 cf | 80750 cf | 118740 cf | 61880 cf | 91120 cf |
| Sediment Surface Area Req'd | 4350 sf | 11860 sf | 1300 sf | 5820 sf | 5540 sf | 9860 sf | 1470 sf | 13940 sf | 17830 sf | 19320 sf | 6240 sf | 19420 sf |
| Sediment Surface Area Prov'd | 6200 sf | 11860 sf | 1300 sf | 5820 sf | 5610 sf | 9940 sf | 2580 cf | 20670 sf | 24250 sf | 29160 sf | 16400 sf | 23320 sf |
| Drainage Area (AC.) | 2.31 ac | 6.29 ac | 0.69 ac | 3.09 ac | 3.36 ac | 5.23 ac | 0.78 ac | 7.96 ac | 9.46 ac | 11.75 ac | 3.31 ac | 10.30 ac |
| Disturbed Area (AC.) | 2.31 ac | 6.29 ac | 0.69 ac | 3.09 ac | 2.03 ac | 5.23 ac | 0.78 ac | 7.96 ac | 9.46 ac | 10.88 ac | 3.31 ac | 10.30 ac |

| Trap ID | Drawdown | Skimmer Type(s) |
|---------|----------|---|
| SB-1 | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 1.5 inch orifice |
| SB-2 | 3 DAYS | 1 - 2.5 inch Skimmers with a(n) 2.0 inch orifice |
| SB-3 | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 0.75 inch orifice |
| SB-4 | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 1.5 inch orifice |
| SB-5 | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 1.25 inch orifice |
| SB-6 | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 2.0 inch orifice |
| SB-B | 3 DAYS | 1 - 2.5 inch Skimmers with a(n) 2.25 inch orifice |
| SB-C | 3 DAYS | 1 - 2.5 inch Skimmers with a(n) 2.5 inch orifice |
| SB-H | 3 DAYS | 1 - 3.0 inch Skimmers with a(n) 2.5 inch orifice |
| SB-I | 3 DAYS | 1 - 2.0 inch Skimmers with a(n) 1.75 inch orifice |
| SB-J | 3 DAYS | 1 - 2.5 inch Skimmers with a(n) 2.5 inch orifice |

Notes:
 1. Side slopes pertain only for the vertical height from the base to the top of berm, 2H:1V above that.
 2. See details regarding skimmer design specifications
 3. See details on silt fence baffle spacing.

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE CARRIED OUT IMMEDIATELY BEHIND CONSTRUCTION IN ACCORDANCE WITH FOLLOWING SPECIFICATIONS.

| SEEDING SPECIFICATIONS | | | |
|--|----------------------------------|------------------|-------------|
| SHOULDER, SIDE DITCHES, SLOPES (MAX 3:1) | | | |
| SEEDING PERIOD | TYPE | APPLICATION RATE | |
| | | PER ACRE | PER 1000 SF |
| AUGUST 15 - NOVEMBER 1 | TALL FESCUE | 300# | 7# |
| | TALL FESCUE AND ABRUZZI RYE | 300# | 7# |
| NOVEMBER 1 - MARCH 1 | TALL FESCUE | 25# | 0.6# |
| | ADD TALL FESCUE | 300# | 7# |
| MARCH 1 - APRIL 15 | TALL FESCUE | 300# | 7# |
| APRIL 15 - JUNE 30 | HULLED COMMON BERMUDAGRASS | 25# | 0.6# |
| | TALL FESCUE AND *BROWNTOP MILLET | 120# | 2.8# |
| JULY 1 - AUGUST 15 | *OR SORGHUM-SUDAN HYBRIDS | 35# | 0.8# |
| | *OR SORGHUM-SUDAN HYBRIDS | 30# | 0.7# |

| SEEDING SPECIFICATIONS | | | |
|------------------------|--|------------------|-------------|
| SLOPES (3:1 TO 2:1) | | | |
| SEEDING PERIOD | TYPE | APPLICATION RATE | |
| | | PER ACRE | PER 1000 SF |
| MARCH 1 - JUNE 1 | SERICA LESPEDEZA (SCARIFIED) | 50# | 1.2# |
| | AND | | |
| MARCH 1 - APRIL 15 | ADD TALL FESCUE | 120# | 2.8# |
| | OR ADD WEEPING LOVE GRASS | 10# | 0.2# |
| MARCH 1 - JUNE 30 | OR ADD HULLED COMMON BERMUDAGRASS | 25# | 0.6# |
| | *TALL FESCUE AND *OR BROWNTOP MILLET | 120# | 2.8# |
| JUNE 1 - SEPTEMBER 1 | *OR BROWNTOP MILLET | 35# | 0.8# |
| | *OR SORGHUM-SUDAN HYBRIDS | 30# | 0.7# |
| SEPTEMBER 1 - MARCH 1 | SERICA LESPEDEZA (UNHULLED, UNSCARIFIED) | 70# | 1.6# |
| | AND TALL FESCUE | 120# | 2.8# |
| NOVEMBER 1 - MARCH 1 | ADD ABRUZZI RYE | 25# | 0.6# |

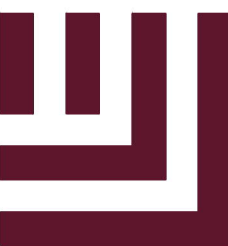
*TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW TO MORE THAN 12 INCHES HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

CONSULT WAKE SOIL AND WATER CONSERVATION DISTRICT OR NORTH CAROLINA DIVISION OF SOIL AND WATER CONSERVATION FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDEED AREAS. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

DISTURBED AREA = 66.18 AC.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF ROLESVILLE AND WAKE COUNTY SPECIFICATIONS AND DETAILS.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



McADAMS

The John R. McAdams Company, Inc.
 2905 Meridian Parkway
 Durham, NC 27713

phone 919. 361. 5000
 fax 919. 361. 2269
 license number: C-0293, C-187

www.mcadamsco.com

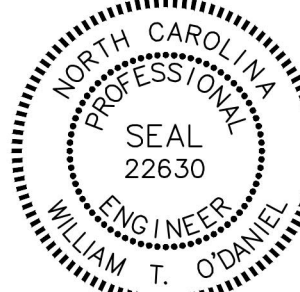
CLIENT

ASHTON RALEIGH RESIDENTIAL, LLC.
 5711 SIX FORKS ROAD, SUITE 300
 RALEIGH, NORTH CAROLINA 27609
 PHONE: 919. 232. 3695
 CONTACT: BOB MISHLER



THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
 TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
 WAKE COUNTY, NORTH CAROLINA

CD 20-08



Todd O'Daniel
 Jul 14 2022 4:26 PM
W.T. O'Daniel

REVISIONS

NO. DATE

PLAN INFORMATION

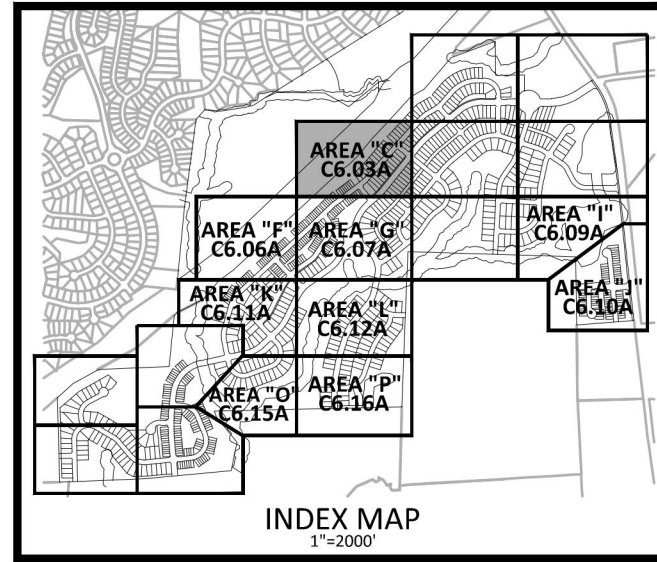
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SHEET

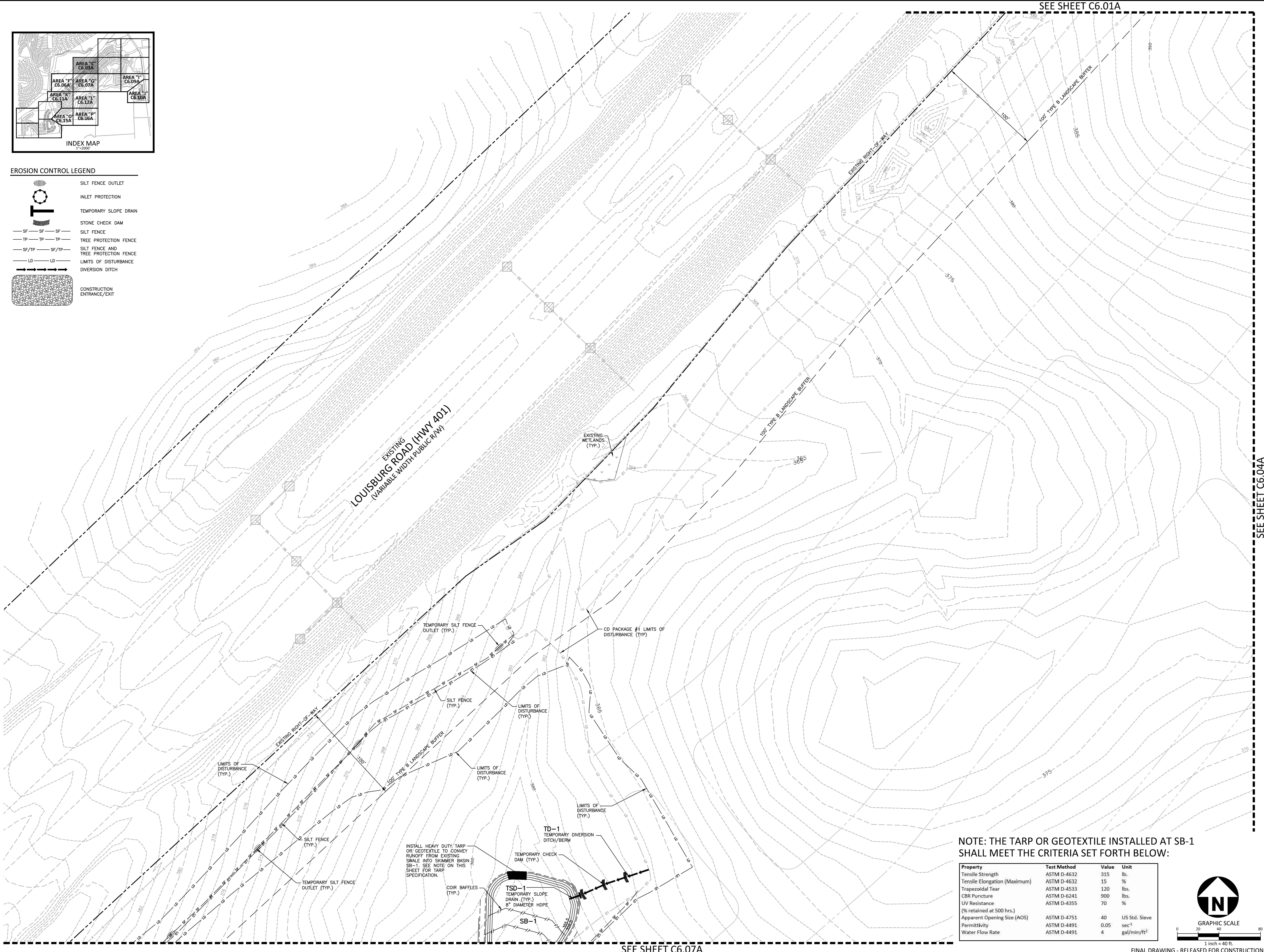
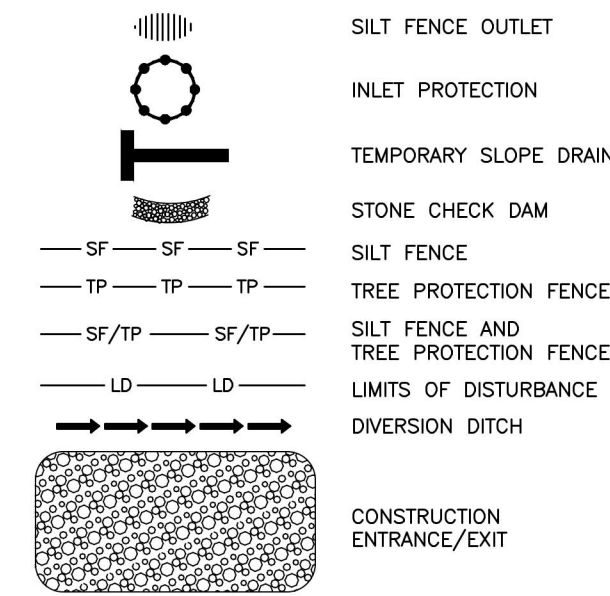
EROSION CONTROL NOTES
C6.00



Know what's below.
 Call before you dig.



EROSION CONTROL LEGEND



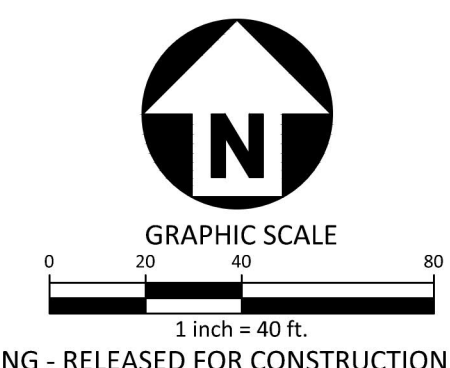
SEE SHEET C6.01A

SEE SHEET C6.04A

SEE SHEET C6.07A

NOTE: THE TARP OR GEOTEXTILE INSTALLED AT SB-1 SHALL MEET THE CRITERIA SET FORTH BELOW:

| Property | Test Method | Value | Unit |
|------------------------------|-------------|-------|-------------------------|
| Tensile Strength | ASTM D-4632 | 315 | lb. |
| Tensile Elongation (Maximum) | ASTM D-4632 | 15 | % |
| Trapezoidal Tear | ASTM D-4533 | 120 | lbs. |
| CBR Puncture | ASTM D-6241 | 900 | lbs. |
| UV Resistance | ASTM D-4355 | 70 | % |
| (% retained at 500 hrs.) | | | |
| Apparent Opening Size (AOS) | ASTM D-4751 | 40 | US Std. Sieve |
| Permittivity | ASTM D-4491 | 0.05 | sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 4 | gal/min/ft ² |



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ASHTON WOODS

THE POINT
PHASES 3, 4, 5, 7 AND 10
CONSTRUCTION DRAWINGS - PACKAGE 2
EAST YOUNG STREET
TOWN OF ROLESVILLE, WAKE FOREST TOWNSHIP,
WAKE COUNTY, NORTH CAROLINA
CD 20-08

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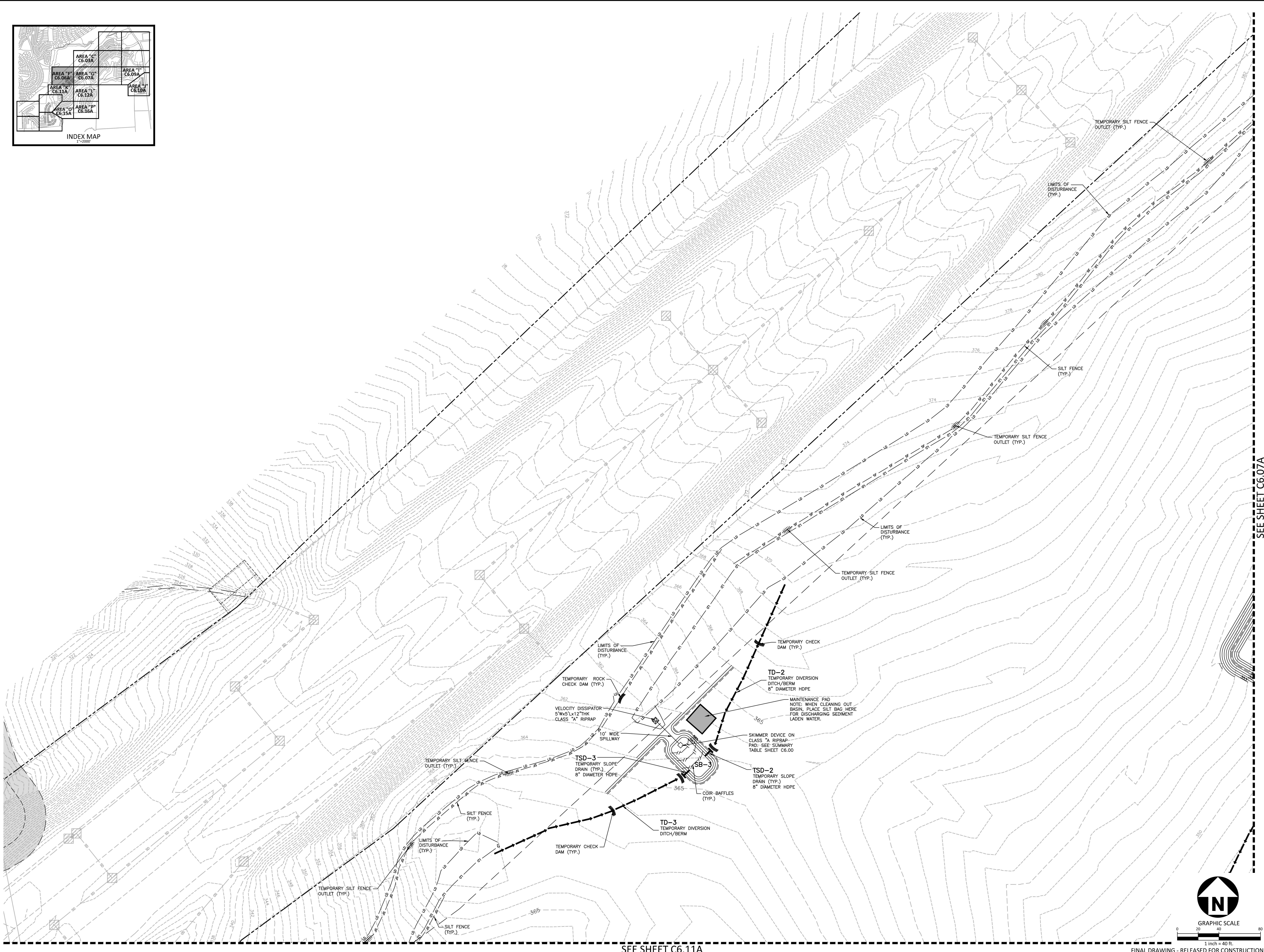
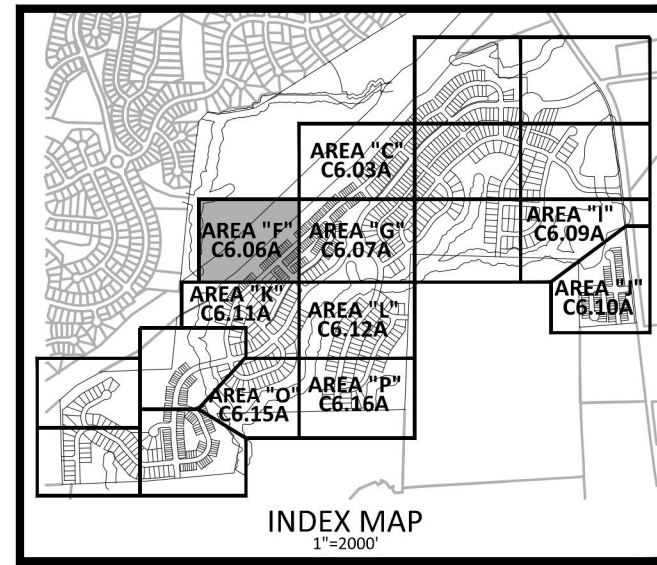
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PLAN INFORMATION

PROJECT NO. AWH-20000
FILENAME AWH20000-CD-PKG-02-ECL1
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DATE 07.13.2022

SHEET
EROSION CONTROL PLAN
STAGE 1
AREA "C"
C6.03A

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SEE SHEET C6.11A

SEE SHEET C6.07A

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 Jul 14 2022 4:27 PM
 W.T. O'Daniel

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SHEET
EROSION CONTROL PLAN
STAGE 1
AREA "F"
C6.06A

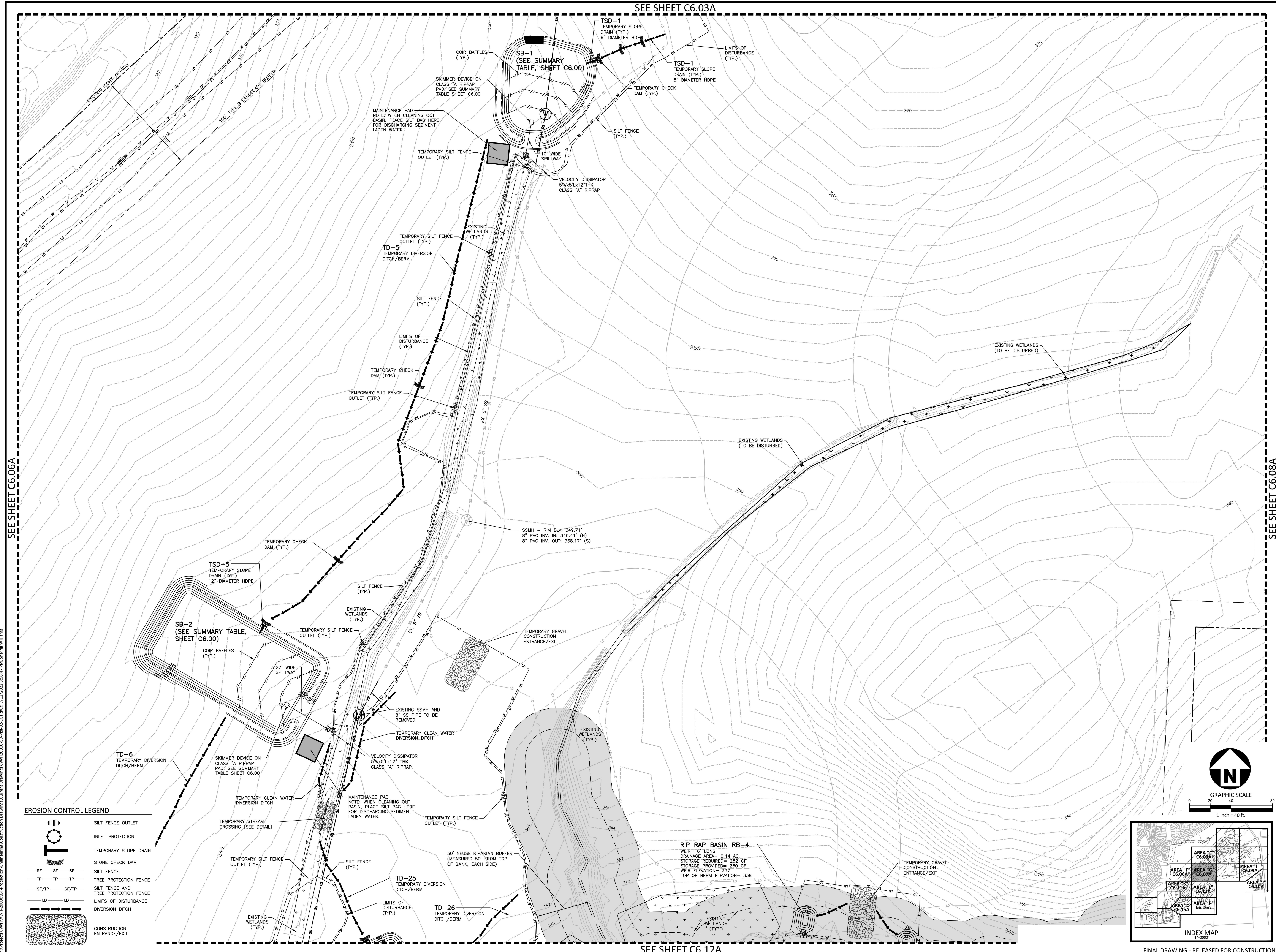
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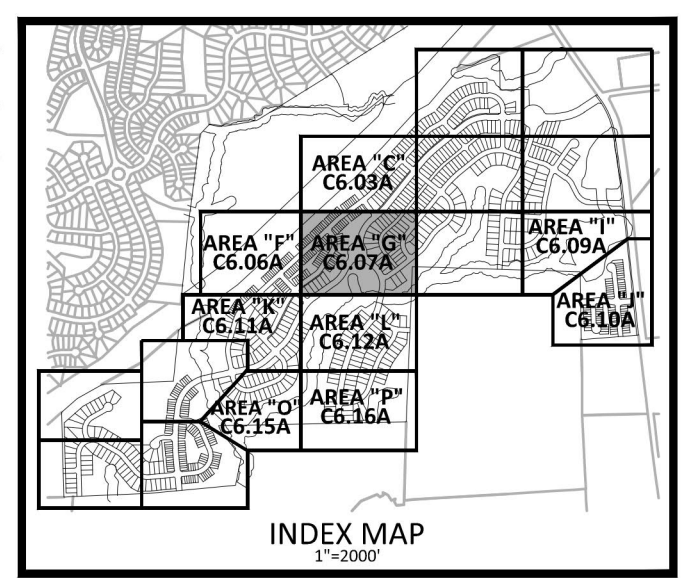
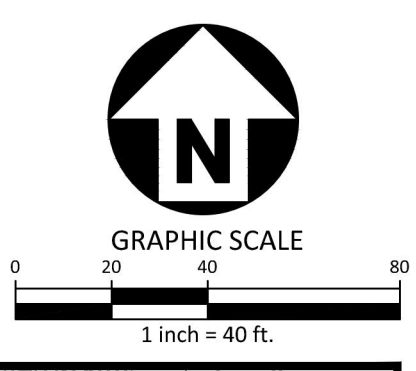
SEE SHEET C6.06A

SEE SHEET C6.08A



EROSION CONTROL LEGEND

| | |
|--|--------------------------------------|
| | SILT FENCE OUTLET |
| | INLET PROTECTION |
| | TEMPORARY SLOPE DRAIN |
| | STONE CHECK DAM |
| | SILT FENCE |
| | TREE PROTECTION FENCE |
| | SILT FENCE AND TREE PROTECTION FENCE |
| | LIMITS OF DISTURBANCE |
| | DIVERSION DITCH |
| | CONSTRUCTION ENTRANCE/EXIT |



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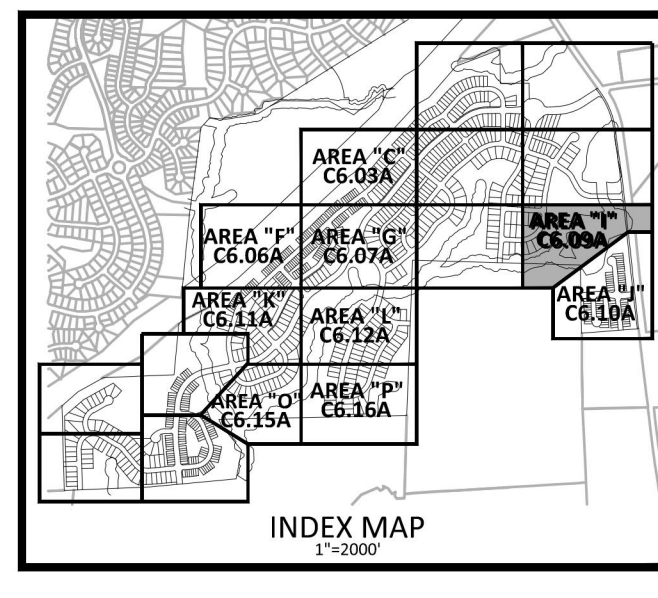
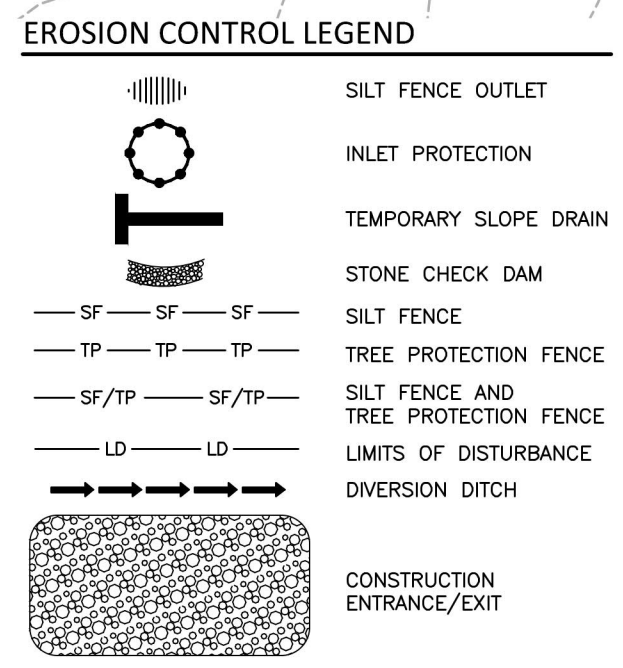
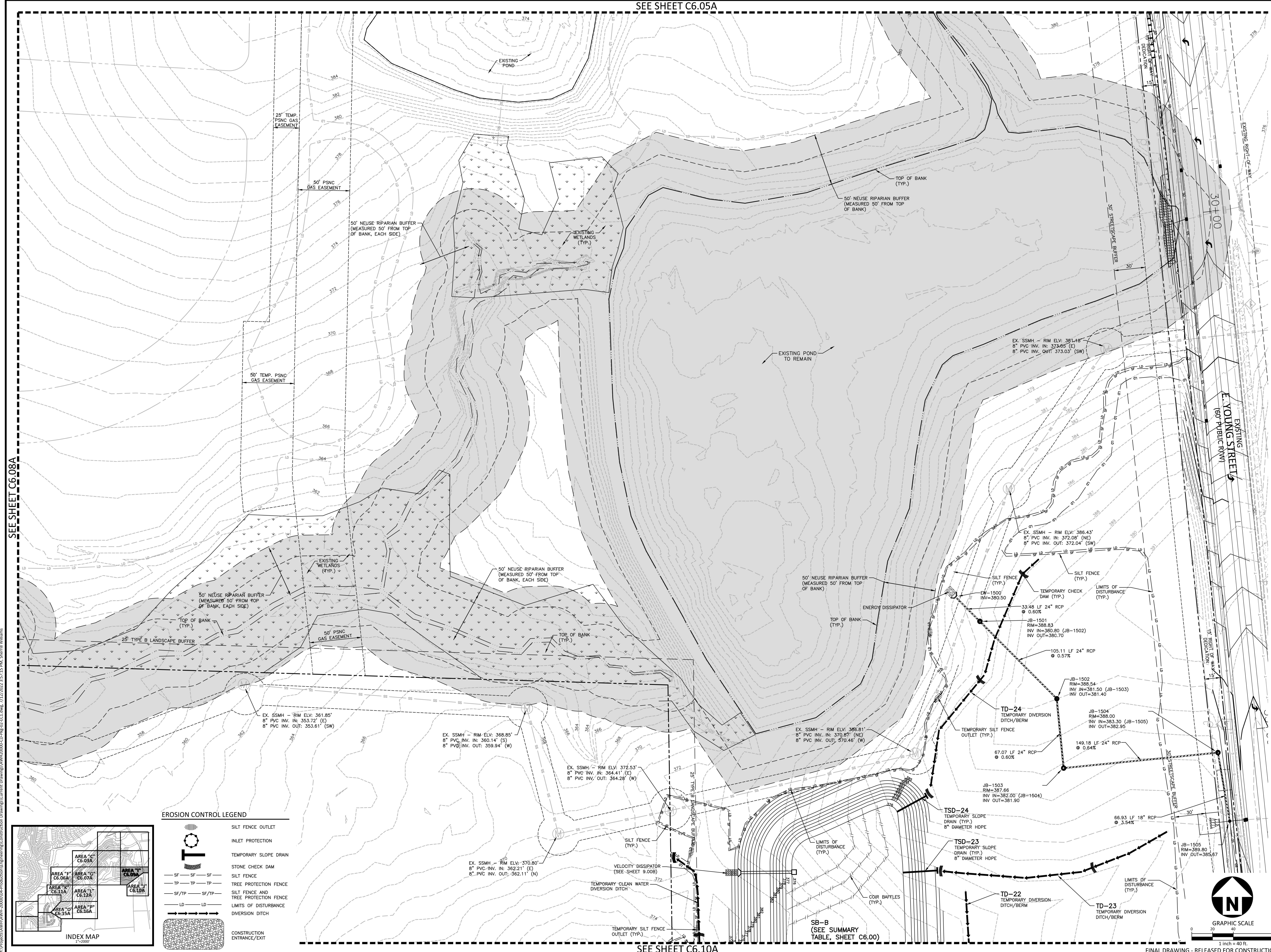
EROSION CONTROL PLAN
STAGE 1
AREA "G"

C6.07A

SEE SHEET C6.12A

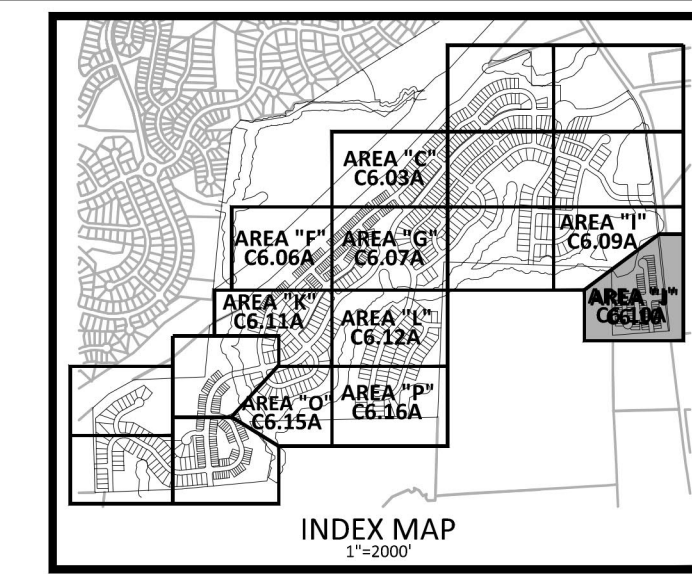
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SEE SHEET C6.09A



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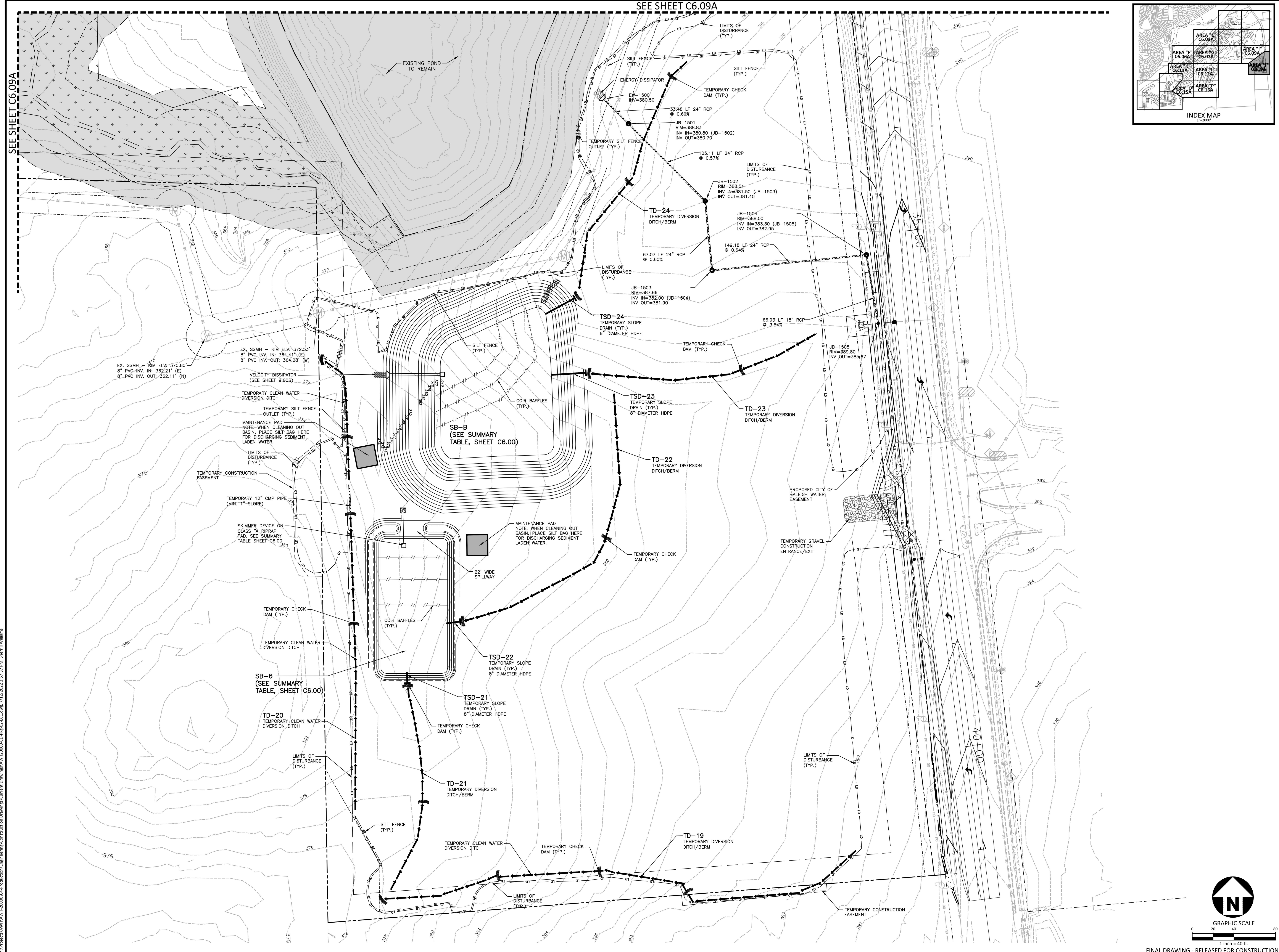
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EROSION CONTROL PLAN

STAGE 1

AREA "J"

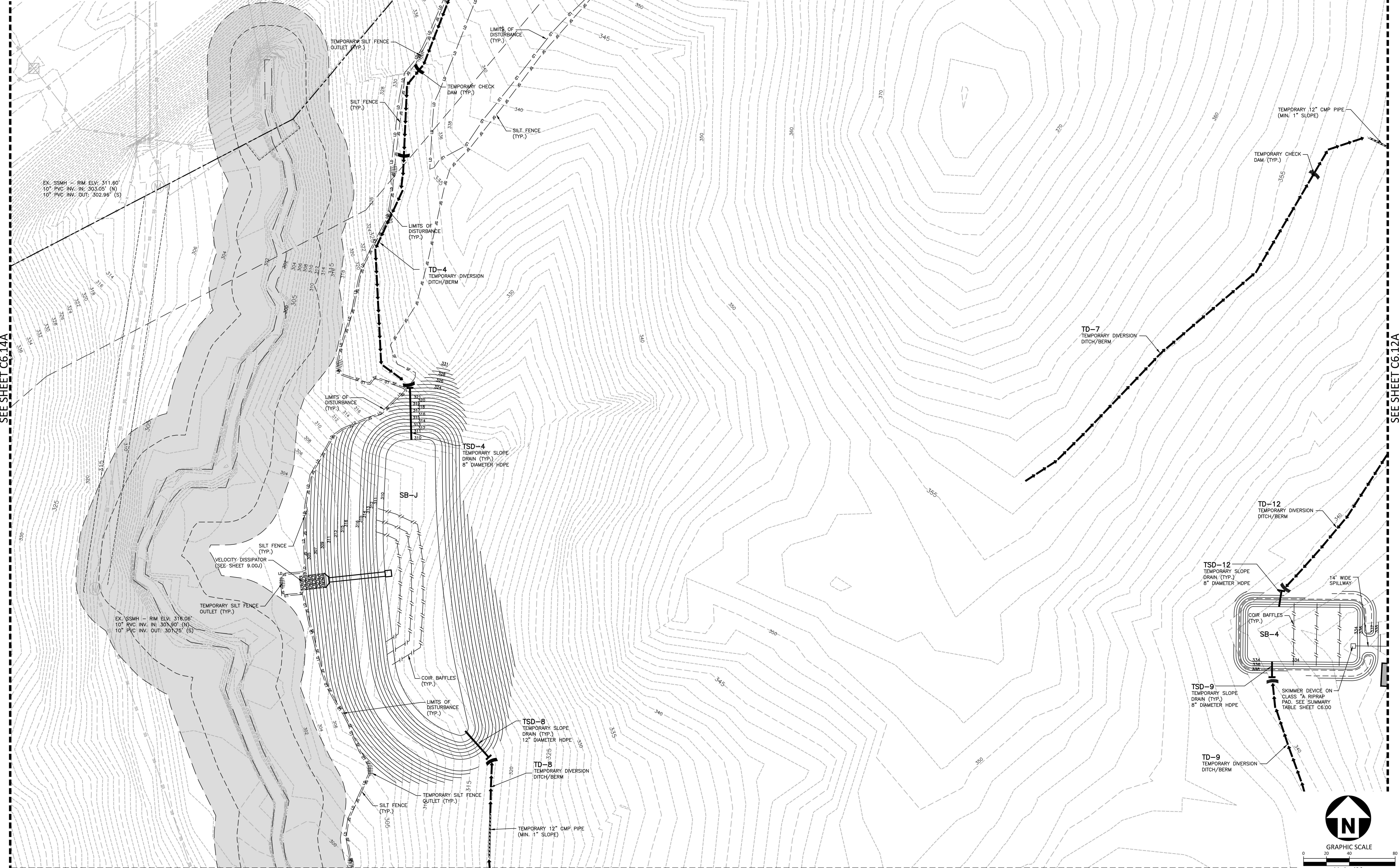
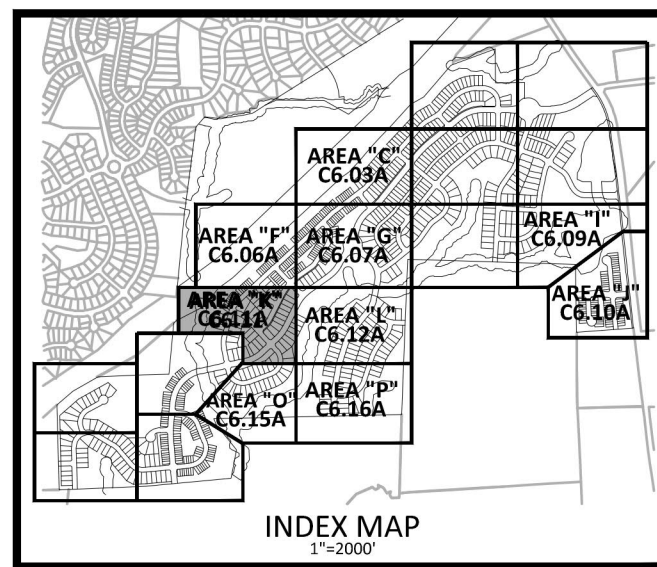
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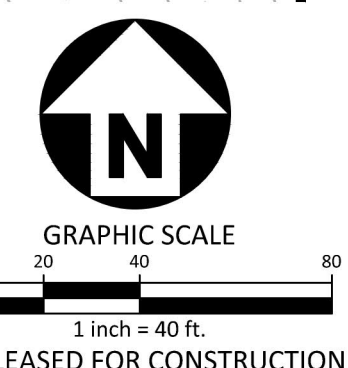
SEE SHEET C6.06A



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SEE SHEET C6.12A

SEE SHEET C6.15A



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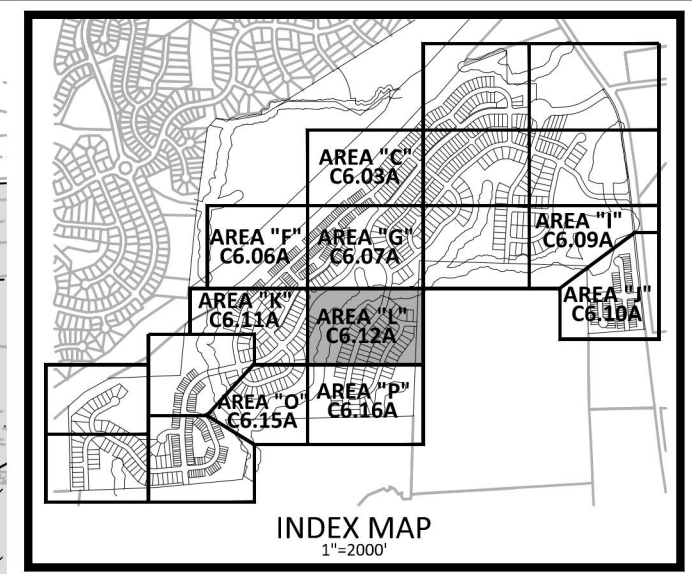
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EROSION CONTROL PLAN
STAGE 1
AREA "K"
C6.11A

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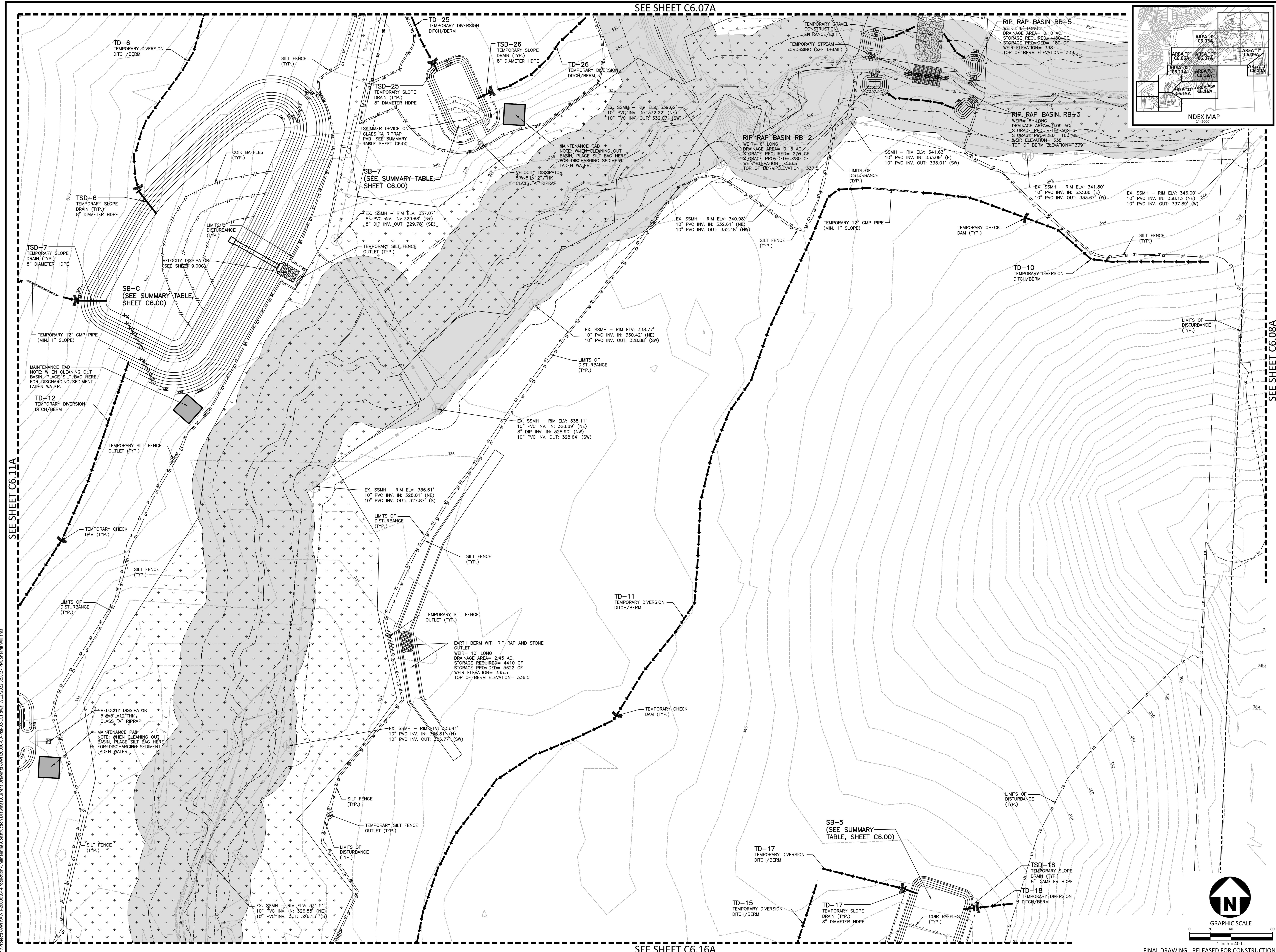
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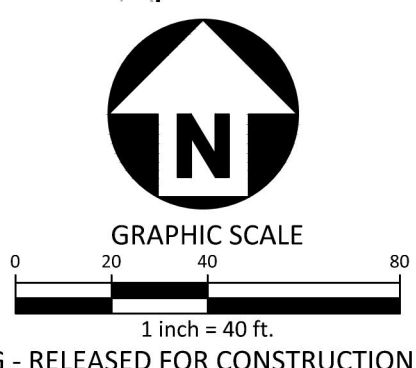
SHEET
EROSION CONTROL PLAN
STAGE 1
AREA "L"
C6.12A



SEE SHEET C6.11A

SEE SHEET C6.08A

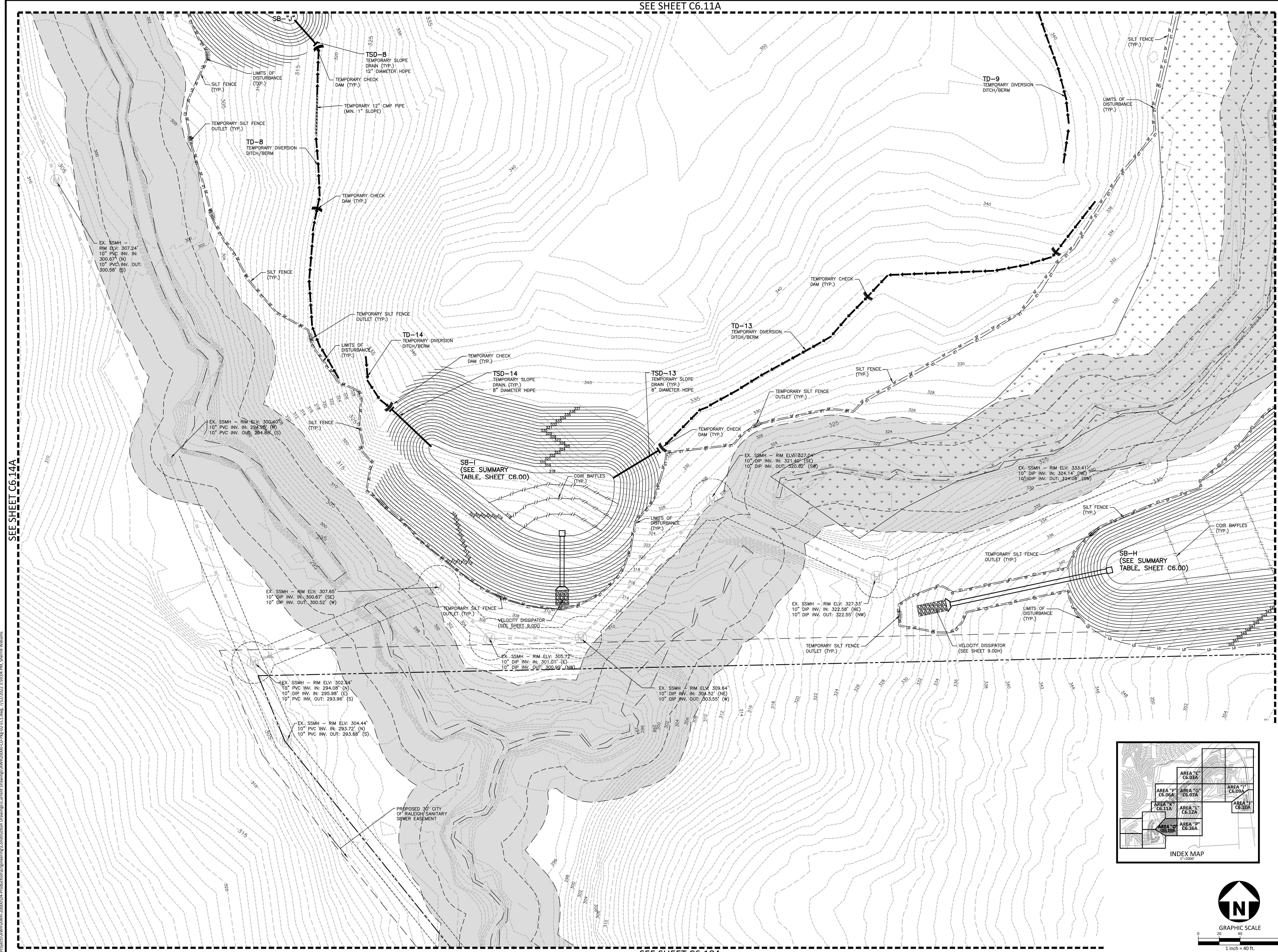
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SEE SHEET C6.18A

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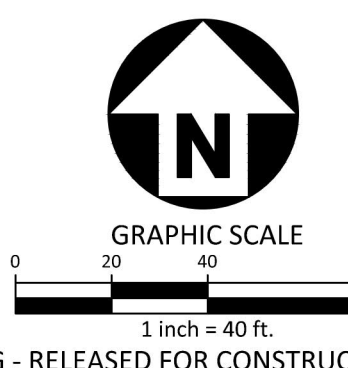
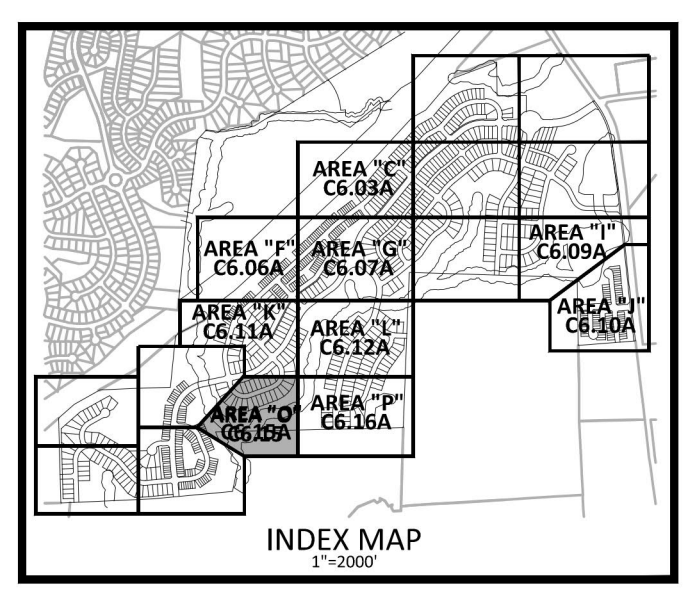
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PLAN INFORMATION

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SHEET
EROSION CONTROL PLAN
STAGE 1
AREA "O"

C6.15A



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