



RIDGE ROAD MIDDLE SCHOOL
 7260 HIGHLAND CREEK PARKWAY
 CHARLOTTE, NORTH CAROLINA



Shelly Ave /
 Highland Creek Pky
 Improvements

CONSTRUCTION DOCUMENTS

ALTERNATE NO. 2

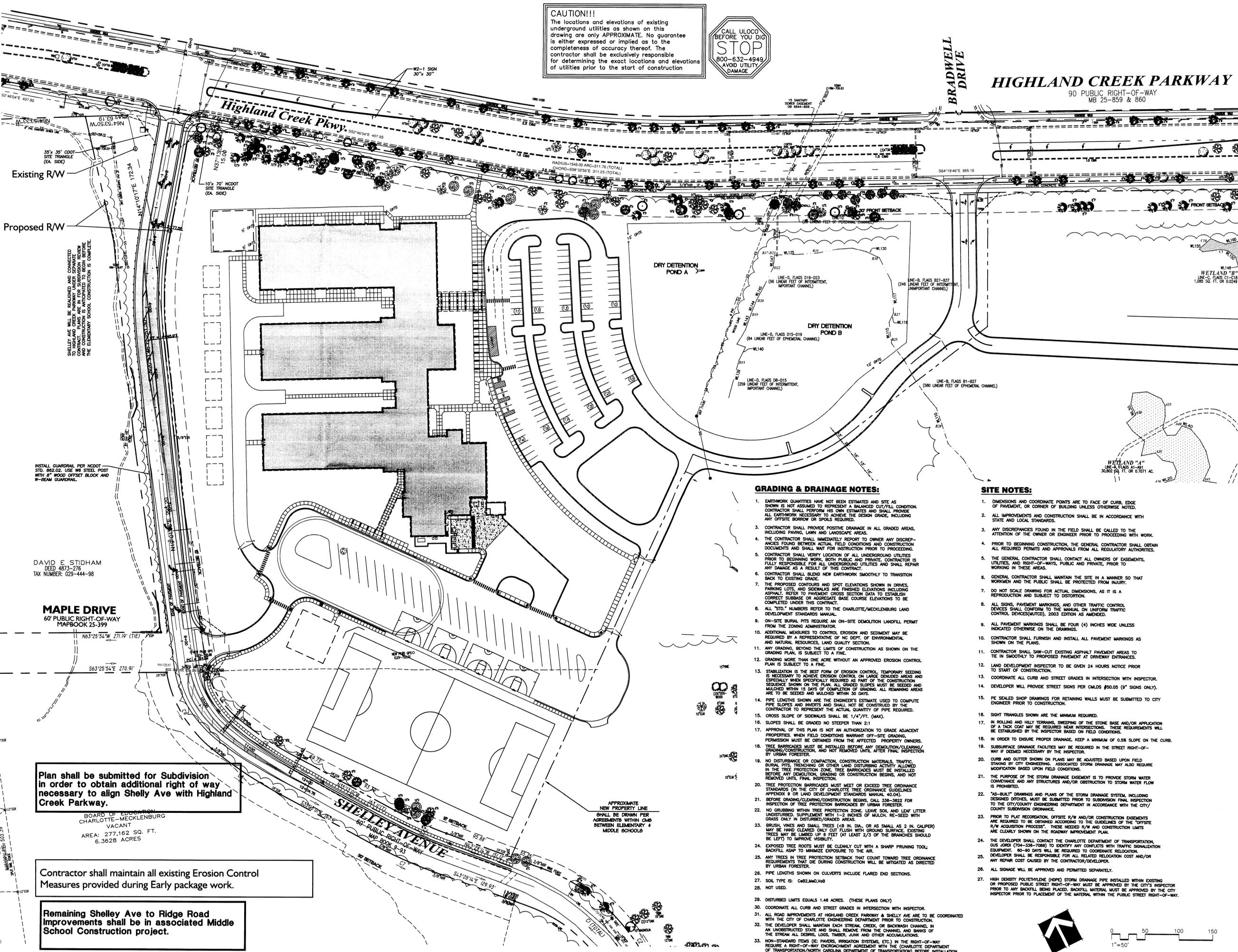
APPROVED FOR CONSTRUCTION
 CMPC
 JBS 6/4/2005

Project Number: 0311
 Date: JUNE 30, 2005
 Site Plan
 Sheet Number: **CI01**
 ALTERNATE NO.2

CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact locations and elevations of utilities prior to the start of construction



HIGHLAND CREEK PARKWAY
 90' PUBLIC RIGHT-OF-WAY
 MB 25-859 & 860



GRADING & DRAINAGE NOTES:

1. EARTHWORK QUANTITIES HAVE NOT BEEN ESTIMATED AND SITE AS SHOWN IS NOT ASSUMED TO REPRESENT A BALANCED CUT/FILL CONDITION. CONTRACTOR SHALL PERFORM HIS OWN ESTIMATES AND SHALL PROVIDE ALL EARTHWORK NECESSARY TO ACHIEVE THE DESIGN GRADE, INCLUDING ANY OFFSITE BORROW OR SPOILS REQUIRED.
2. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL GRADED AREAS, INCLUDING PAVING, LAWN AND LANDSCAPE AREAS.
3. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
4. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. BOTH PUBLIC AND PRIVATE. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL REPAIR ANY DAMAGE AS A RESULT OF THIS CONTRACT.
5. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
6. THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN DRIVES, PARKING LOTS, AND SIDEWALKS ARE FINISHED ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
7. ALL "STD." NUMBERS REFER TO THE CHARLOTTE/MECKLENBURG LAND DEVELOPMENT STANDARDS MANUAL.
8. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
9. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF NC DEPT. OF ENVIRONMENTAL AND NATURAL RESOURCES, LAND QUALITY SECTION.
10. ANY GRADING, BEYOND THE LIMITS OF CONSTRUCTION AS SHOWN ON THE GRADING PLAN, IS SUBJECT TO A FINE.
11. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS SUBJECT TO A FINE.
12. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENuded AREAS AND SPECIALLY WHEN SPECIALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 15 DAYS OF COMPLETION OF GRADING. ALL REMAINING AREAS ARE TO BE SEEDED AND MULCHED WITHIN 30 DAYS.
13. PIPE LENGTHS SHOWN ARE THE ENGINEER'S ESTIMATE USED TO COMPUTE PIPE SLOPES AND INVERTS AND SHALL NOT BE CONSIDERED BY THE CONTRACTOR TO REPRESENT THE ACTUAL QUANTITY OF PIPE REQUIRED.
14. CROSS SLOPE OF SIDEWALKS SHALL BE 1/4"/FT. (MAX).
15. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1
16. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
17. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION/CLEARING/GRADING/CONSTRUCTION, AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTER.
18. NO DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE PROTECTION ZONE. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING OR CONSTRUCTION BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
19. TREE PROTECTION BARRICADES MUST MEET OR EXCEED TREE ORDINANCE STANDARDS IN THE CITY OF CHARLOTTE TREE ORDINANCE GUIDELINES APPENDIX 9 OR LAND DEVELOPMENT STANDARDS MANUAL 40.04.
20. BEFORE GRADING/CLEARING/CONSTRUCTION BEGINS, CALL 336-3622 FOR INSPECTION OF TREE PROTECTION BARRICADES BY URBAN FORESTER.
21. NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SOIL AND LEAF LITTER UNDISTURBED. SUPPLEMENT WITH 1-2 INCHES OF MULCH. RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS.
22. BRUSH, VINES AND SMALL TREES (<8 IN. DIA. OR AS SMALL AS 2 IN. CALIPER) MAY BE HAND CLEARED ONLY CUT FLUSH WITH GROUND SURFACE. EXISTING TREES MAY BE LIMBED UP 8 FEET (AT LEAST 2/3 OF THE BRANCHES SHOULD BE LEFT) TO IMPROVE VISIBILITY.
23. EXPOSED TREE ROOTS MUST BE CLEANLY CUT WITH A SHARP PRUNING TOOL; BACKFILL ASAP TO MINIMIZE EXPOSURE TO THE AIR.
24. ANY TREES IN TREE PROTECTION SETBACK THAT COUNT TOWARD TREE ORDINANCE REQUIREMENTS THAT DIE DURING CONSTRUCTION WILL BE MITIGATED AS DIRECTED BY URBAN FORESTER.
25. PIPE LENGTHS SHOWN ON CULVERTS INCLUDE FLARED END SECTIONS.
26. SOIL TYPE IS: C&S21M&D10&B
27. NOT USED.
28. DISTURBED LIMITS EQUALS 1.46 ACRES. (THESE PLANS ONLY)
29. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.
30. ALL ROAD IMPROVEMENTS AT HIGHLAND CREEK PARKWAY & SHELLEY AVE ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
31. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBTURATED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TRUNKS, JUNK AND OTHER ACCUMULATIONS.
32. NON-STANDARD ITEMS (E. PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE (CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION.

SITE NOTES:

1. DIMENSIONS AND COORDINATE POINTS ARE TO FACE OF CURB, EDGE OF PAVEMENT, OR CORNER OF BUILDING UNLESS OTHERWISE NOTED.
2. ALL IMPROVEMENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL STANDARDS.
3. ANY DISCREPANCIES FOUND IN THE FIELD SHALL BE CALLED TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO PROCEEDING WITH WORK.
4. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM ALL REGULATORY AUTHORITIES.
5. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES, AND RIGHT-OF-WAYS, PUBLIC AND PRIVATE, PRIOR TO WORKING IN THESE AREAS.
6. GENERAL CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY.
7. DO NOT SCALE DRAWING FOR ACTUAL DIMENSIONS, AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2003 EDITION AS AMENDED.
9. ALL PAVEMENT MARKINGS SHALL BE FOUR (4) INCHES WIDE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
10. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
11. CONTRACTOR SHALL SAW-CUT EXISTING ASPHALT PAVEMENT AREAS TO TIE IN SMOOTHLY TO PROPOSED PAVEMENT AT DRIVEWAY ENTRANCES.
12. LAND DEVELOPMENT INSPECTOR TO BE GIVEN 24 HOURS NOTICE PRIOR TO START OF CONSTRUCTION.
13. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.
14. DEVELOPER WILL PROVIDE STREET SIGNS PER CMLS #50.05 (9" SIGNS ONLY).
15. PE SEALED SHOP DRAWINGS FOR RETAINING WALLS MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
16. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
17. IN ROLLING AND HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR BASED ON FIELD CONDITIONS.
18. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.
19. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
20. CURB AND GUTTER SHOWN ON PLANS MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
21. THE PURPOSE OF THE STORM DRAINAGE EASEMENT IS TO PROVIDE STORM WATER CONVEYANCE AND ANY STRUCTURES AND/OR OBSTRUCTION TO STORM WATER FLOW IS PROHIBITED.
22. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO SUBDIVISION FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTY SUBDIVISION ORDINANCE.
23. PRIOR TO PLAT RECORDECTION, OFFSITE R/W AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE "OFFSITE R/W ACQUISITION PROCESS". THESE NEEDED R/W AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN.
24. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION, GUS JORR (704-336-7086) TO IDENTIFY ANY CONFLICTS WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60-90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION.
25. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELATED RELOCATION COST AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER.
26. ALL SIGNAGE WILL BE APPROVED AND PERMITTED SEPARATELY.
27. HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY.

Plan shall be submitted for Subdivision in order to obtain additional right of way necessary to align Shelly Ave with Highland Creek Parkway.

BOARD OF EDUCATION
 CHARLOTTE-MECKLENBURG
 VACANT
 AREA: 277,162 SQ. FT.
 6.3628 ACRES

Contractor shall maintain all existing Erosion Control Measures provided during Early package work.

Remaining Shelley Ave to Ridge Road Improvements shall be in associated Middle School Construction project.

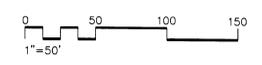
SHELLEY AVE WILL BE REACHED AND CONNECTED TO HIGHLAND CREEK PARKWAY UNDER SEPARATE AND CONSTRUCTION IS ANTICIPATED TO BEGIN BEFORE THE ELEMENTARY SCHOOL CONSTRUCTION IS COMPLETE.

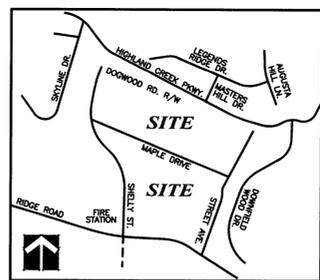
INSTALL GUARDRAIL PER NCDOT STD. 862.02. USE W6 STEEL POST WITH 4" WOOD OFFSET BLOCK AND W-BEAM GUARDRAIL.

DAVID E. STIDHAM
 DEED 4873-276
 TAX NUMBER: 029-444-98

MAPLE DRIVE
 60' PUBLIC RIGHT-OF-WAY
 MAPBOOK 25-399

APPROXIMATE NEW PROPERTY LINE SHALL BE DRAWN PER AGREEMENTS WITHIN CM&B BETWEEN ELEMENTARY & MIDDLE SCHOOLS

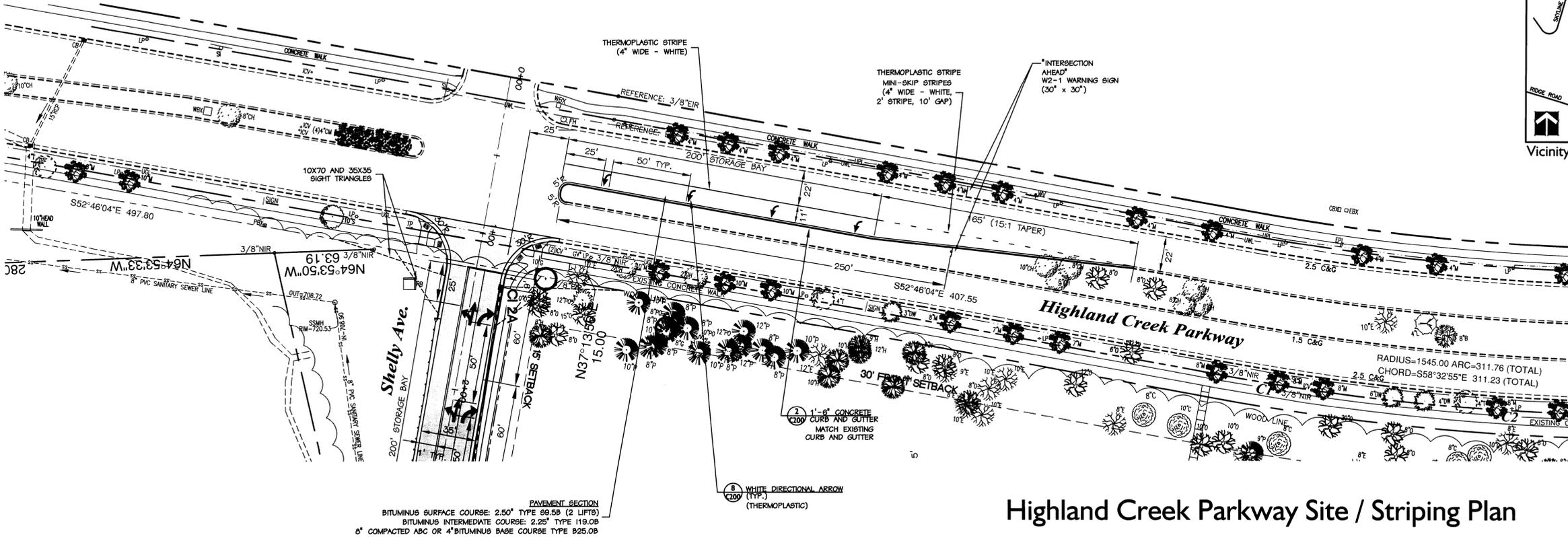




Vicinity Map - NTS



RIDGE ROAD MIDDLE SCHOOL
 7260 HIGHLAND CREEK PARKWAY
 CHARLOTTE, NORTH CAROLINA



Highland Creek Parkway Site / Striping Plan

PAVEMENT SECTION
 BITUMINUS SURFACE COURSE: 2.50\"/>

LEGEND:

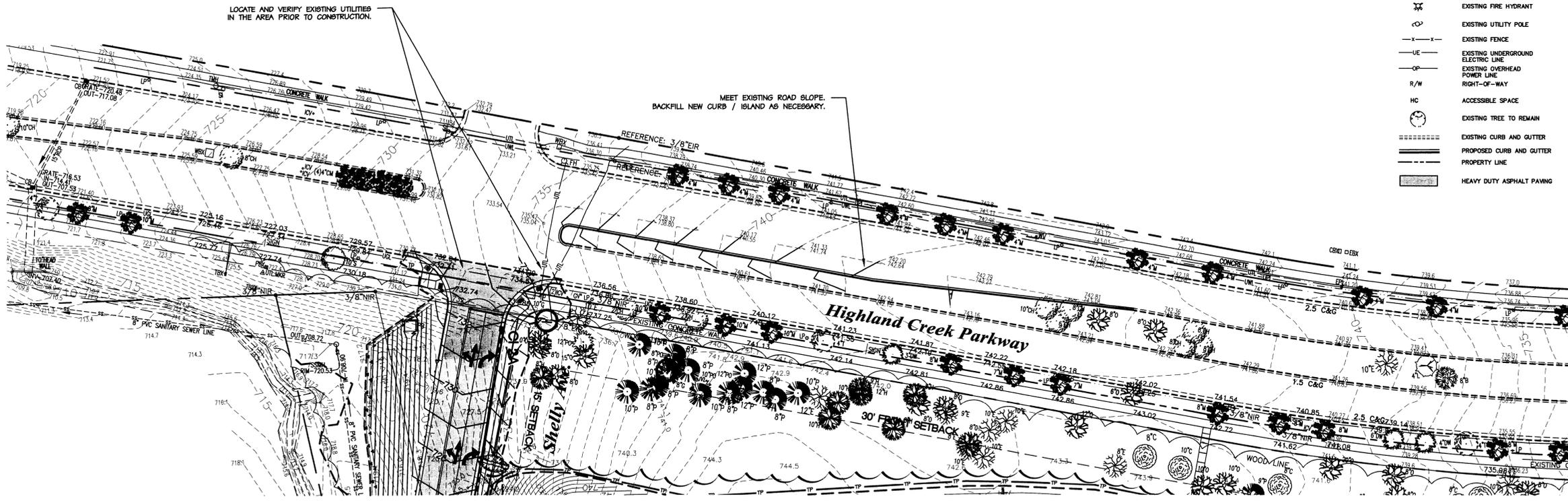
	EXISTING SIGN
	EXISTING IRON PIN
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING FENCE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING OVERHEAD POWER LINE
	RIGHT-OF-WAY
	ACCESSIBLE SPACE
	EXISTING TREE TO REMAIN
	EXISTING CURB AND GUTTER
	PROPOSED CURB AND GUTTER
	PROPERTY LINE
	HEAVY DUTY ASPHALT PAVING



Shelly Ave / Highland Creek Pky Improvements

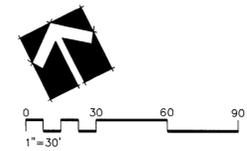
CONSTRUCTION DOCUMENTS

ALTERNATE NO. 2



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Project Number
0311

Date
JUNE 30, 2005

Highland Creek Prky Improvements

Sheet Number

CI02
ALTERNATE NO.2



RIDGE ROAD MIDDLE SCHOOL
 7280 HIGHLAND CREEK PARKWAY
 CHARLOTTE, NORTH CAROLINA



Shelly Ave / Highland Creek Pky Improvements
 CONSTRUCTION DOCUMENTS

ALTERNATE NO. 2

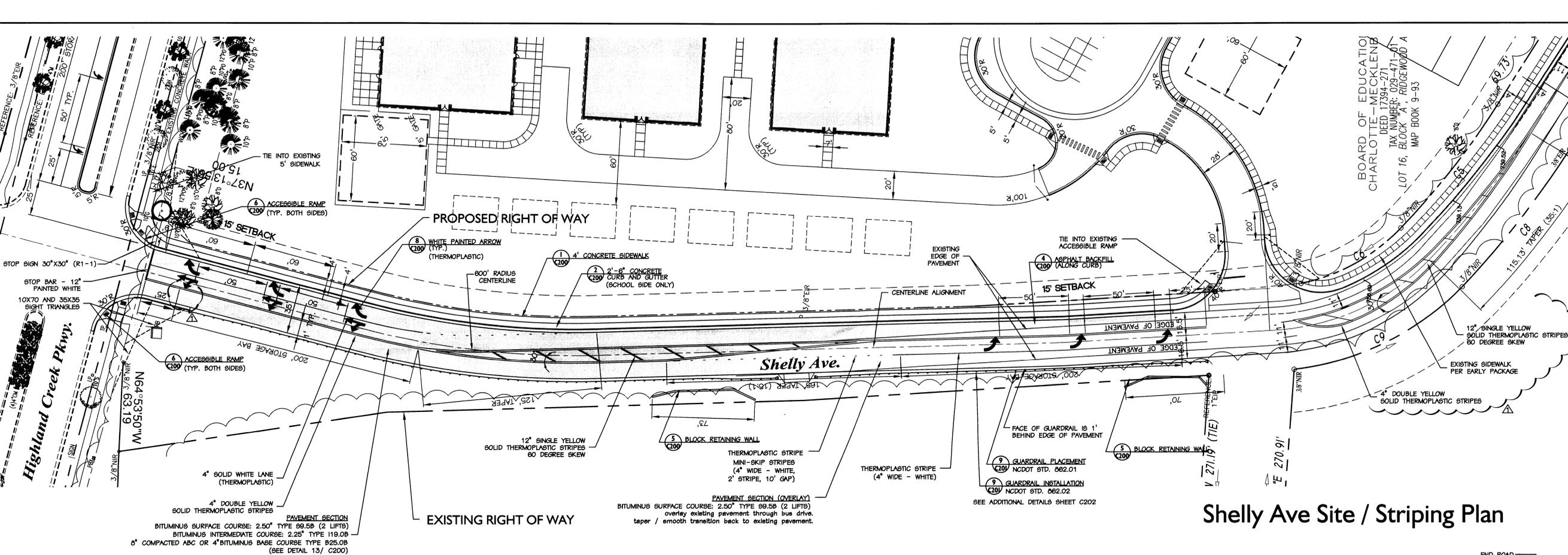
05/02/08 REVISED PER CDOT COMMENTS

Project Number
0311

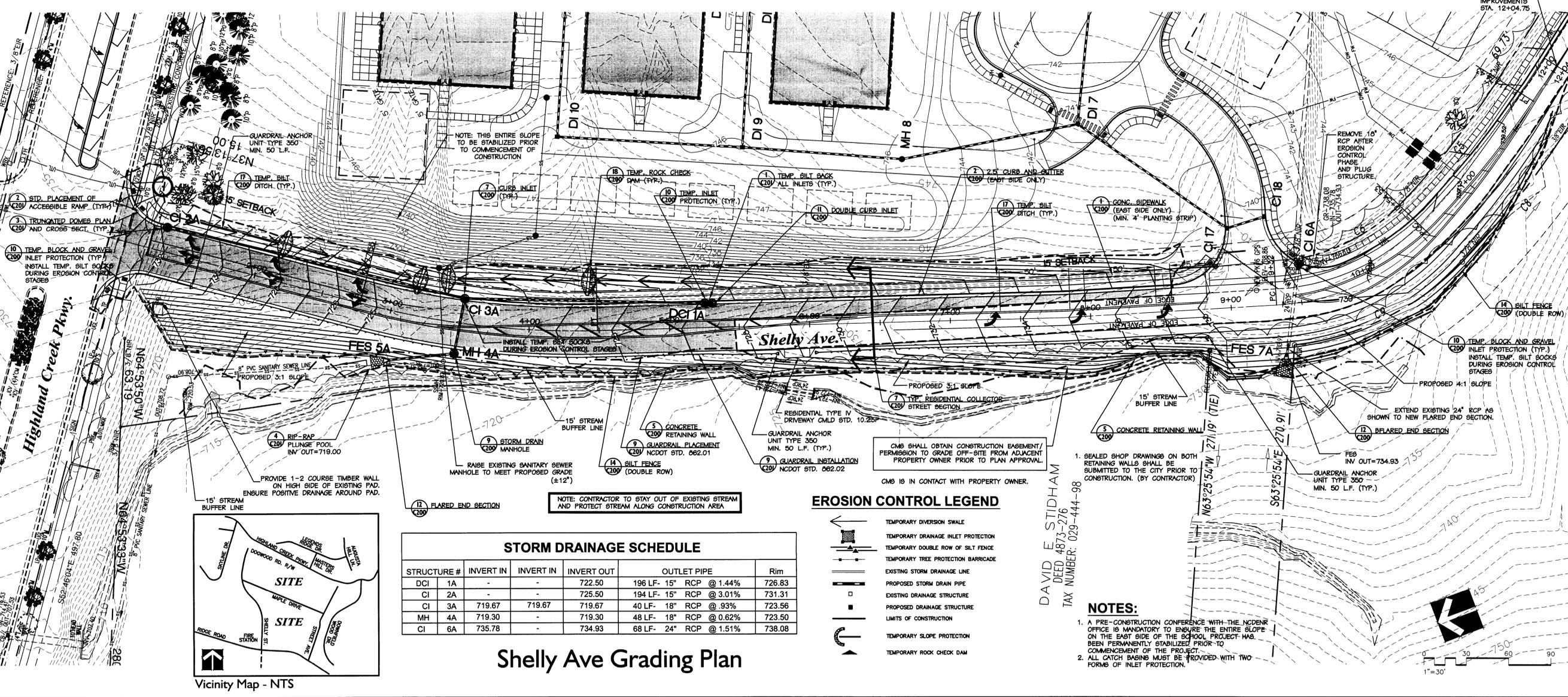
Date
JUNE 30, 2005

Shelly Ave Improvements
 Sheet Number

CI03
 ALTERNATE NO.2



Shelly Ave Site / Striping Plan



STORM DRAINAGE SCHEDULE

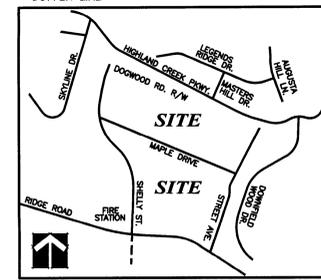
STRUCTURE #	INVERT IN	INVERT IN	INVERT OUT	OUTLET PIPE	Rim
DCI 1A	-	-	722.50	196 LF- 15" RCP @ 1.44%	726.83
CI 2A	-	-	725.50	194 LF- 15" RCP @ 3.01%	731.31
CI 3A	719.67	719.67	719.67	40 LF- 18" RCP @ .93%	723.56
MH 4A	719.30	-	719.30	48 LF- 18" RCP @ 0.62%	723.50
CI 6A	735.78	-	734.93	68 LF- 24" RCP @ 1.51%	738.08

EROSION CONTROL LEGEND

- TEMPORARY DIVERSION SWALE
- TEMPORARY DRAINAGE INLET PROTECTION
- TEMPORARY DOUBLE ROW OF SILT FENCE
- TEMPORARY TREE PROTECTION BARRICADE
- EXISTING STORM DRAINAGE LINE
- PROPOSED STORM DRAIN PIPE
- EXISTING DRAINAGE STRUCTURE
- PROPOSED DRAINAGE STRUCTURE
- LIMITS OF CONSTRUCTION
- TEMPORARY SLOPE PROTECTION
- TEMPORARY ROCK CHECK DAM

NOTES:

1. A PRE-CONSTRUCTION CONFERENCE WITH THE NCDENR OFFICE IS MANDATORY TO ENSURE THE ENTIRE SLOPE ON THE EAST SIDE OF THE SCHOOL PROJECT HAS BEEN PERMANENTLY STABILIZED PRIOR TO COMMENCEMENT OF THE PROJECT.
2. ALL CATCH BASINS MUST BE PROVIDED WITH TWO FORMS OF INLET PROTECTION.



Shelly Ave Grading Plan