

GENERAL NOTES

1. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO HAVE EXISTING UTILITIES FIELD LOCATED. THE CONTRACTOR SHALL BE ON RECORD WITH THE MISSOURI ONE CALL SYSTEM. ALL PROPOSED UTILITIES SHALL BE UNDERGROUND.
2. BOUNDARY AND TOPOGRAPHIC SURVEY BY MARLER SURVEYING COMPANY.
3. ALL ON-SITE MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS OF ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC AND M.S.D.
4. ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING AS REQUIRED BY ST. LOUIS COUNTY.
5. PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS.
6. ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND M.S.D.
7. ADEQUATE TEMPORARY OFF-STREET PARKING FOR CONSTRUCTION EMPLOYEES SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEES' VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.
8. ALL SEWER CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH THE METROPOLITAN ST. LOUIS SEWER DISTRICT STANDARD SPECIFICATIONS FOR SEWER AND DRAINAGE FACILITIES, (LATEST EDITION).
9. THE CONTRACTOR SHALL BE REQUIRED TO BE FAMILIAR WITH THE EXISTING CONDITIONS AT THE SITE, PRIOR TO SUBMITTING BID OF STARTING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES THAT MAY EXIST BETWEEN THE CONTRACT DOCUMENTS AND REQUEST CLARIFICATION IN WRITING PRIOR TO THE BID.
10. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION PARKING WITH THE OWNER AND/OR ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
11. CONTRACTOR SHALL VERIFY EXISTING UTILITY SERVICES ARE CARRIED OR REMOVED AND/OR ABANDONED AS REQUIRED PER THE SPECIFICATIONS OF THE APPROPRIATE GOVERNING AGENCY.
12. PROVIDE PROTECTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS AND UTILITIES INDICATED TO REMAIN IN PLACE.
13. LANDSCAPING IRRIGATION SYSTEMS TO BE CAPPED AND REMOVED IN AREAS OF CONSTRUCTION WITH SERVICE LINES AND CAPS FLAGGED OR PROPERLY MARKED FOR FUTURE USE, IF APPLICABLE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL, PER ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC STANDARDS TO MINIMIZE TRAFFIC DISRUPTION WITHIN RIGHT-OF-WAY OF ADJACENT ROADS.
15. ALL DEBRIS RESULTING FROM THE DEMOLITION OF PAVEMENTS, CURBS, STRUCTURES, FOUNDATION AND FOOTINGS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS.
16. PUBLIC UTILITY FACILITIES SUCH AS MANHOLES, METER AND VALVE BOXES OF GAS, ELECTRIC AND TELEPHONE WILL BE ADJUSTED OR RELOCATED BY THE VARIOUS UTILITY COMPANIES. ADJUSTMENT OF UTILITY AND SEWER FACILITIES NOT PROVIDED BY THE UTILITY COMPANIES WILL BE PROVIDED BY THE CONTRACTOR AS NECESSARY.
17. DESIGN OF SHORING FOR UTILITY AND SEWER TRENCHES IS THE RESPONSIBILITY OF THE CONTRACTOR.
18. NO BURNING OF TREES, OVERGROWTH, DEBRIS, BRUSH, OR ANY MATERIAL ALLOWED ON SITE.
19. ANY ABANDONED SEWERS SHALL BE REMOVED OR COMPLETELY GROUT FILLED.
20. THE REMOVAL AND REPLACEMENT OR REHABILITATION OF THE EXISTING STRUCTURES WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE THEN THE TOP SHALL BE ADJUSTED TO GRADE & REPAIR TO PREVENT LEAKS. CONTRACTOR TO PROVIDE 1/2" IRON PIPE 0.3" SOUTH ON CONCRETE HEADWALLS OF EXISTING STRUCTURES AND INCIDENTAL REPAIR & REPLACEMENT OF PAVEMENT CURBS, ETC. AS REQUIRED.
21. THE 4" PVC UNDERDRAIN FOR PERVIOUS PAVEMENT SHALL BE SOLID WALL 4" PVC AT ALL LOCATIONS OUTSIDE OF THE PERVIOUS PAVEMENT.

SOIL REMEDIATION NOTE

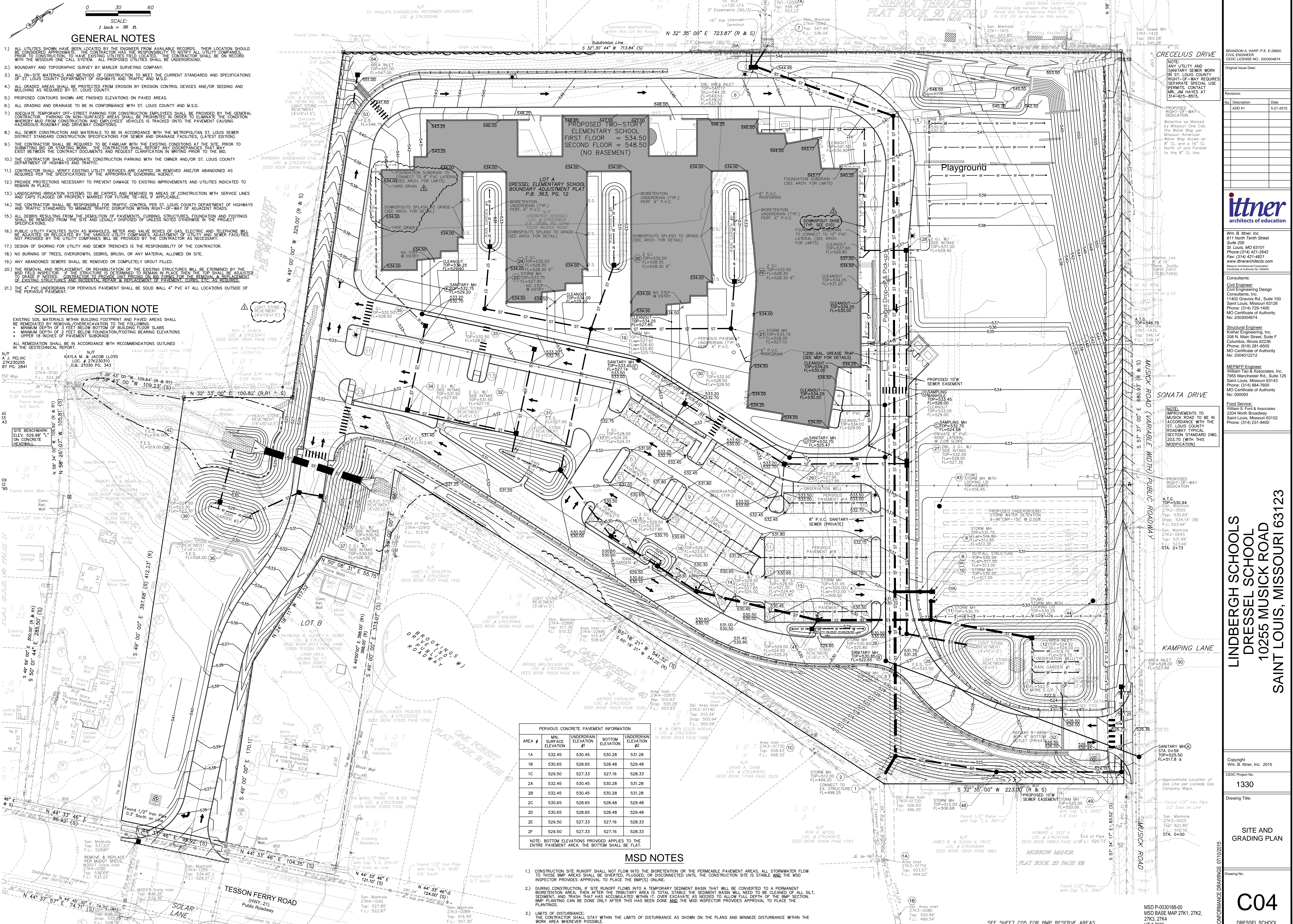
EXISTING SOIL MATERIALS WITHIN BUILDING FOOTPRINT AND PAVED AREAS SHALL BE REMEDIATED BY REMOVAL/OVEREXCAVATION TO THE FOLLOWING MINIMUM DEPTH OF 3 FEET BELOW BOTTOM OF BUILDING FOUNDATION SLABS
 • MINIMUM DEPTH OF 2 FEET BELOW FOUNDATION/FOOTING BEARING ELEVATION
 • UPPER 18 INCHES OF PAVEMENT SUBGRADE
 ALL REMEDIATION SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OUTLINED IN THE GEOLOGICAL REPORT.

PERVIOUS CONCRETE PAVEMENT INFORMATION				
AREA #	MIN. SURFACE ELEVATION	UNDERDRAIN #1 ELEVATION	BOTTOM ELEVATION	UNDERDRAIN #2 ELEVATION
1A	532.45	530.45	530.28	531.28
1B	530.65	528.65	528.48	529.48
1C	529.50	527.33	527.16	528.33
2A	532.45	530.45	530.28	531.28
2B	532.45	530.45	530.28	531.28
2C	530.65	528.65	528.48	529.48
2D	530.65	528.65	528.48	529.48
2E	529.50	527.33	527.16	528.33
2F	529.50	527.33	527.16	528.33

NOTE: BOTTOM ELEVATIONS PROVIDED APPLY TO THE ENTIRE PAVEMENT AREA. THE BOTTOM SHALL BE FLAT.

MSD NOTES

1. CONSTRUCTION SITE RUNOFF SHALL NOT FLOW INTO THE BIORETENTION OR THE PERMEABLE PAVEMENT AREAS. ALL STORMWATER FLOW TO THOSE BAMP AREAS SHALL BE DIVERTED, PLUGGED, OR DISCONNECTED UNTIL THE CONSTRUCTION SITE IS STABLE AND THE MSD INSPECTOR PROVIDES APPROVAL TO PLACE THE BAMP(S) ONLINE.
2. DURING CONSTRUCTION, IF SITE RUNOFF FLOWS INTO A TEMPORARY SEDIMENT BASIN THAT WILL BE CONVERTED TO A PERMANENT BIORETENTION AREA, THEN AFTER THE TRIBUTARY AREA IS STABLE THE SEDIMENT BASIN WILL NEED TO BE CLEANED OF ALL SILT, SEDIMENT, AND TRASH THAT HAS ACCUMULATED WITHIN IT. OVER EXCAVATE AS NEEDED TO ALLOW FULL DEPTH OF THE BAMP SECTION. BAMP PLANTING CAN BE DONE ONLY AFTER THIS HAS BEEN DONE AND THE MSD INSPECTOR PROVIDES APPROVAL TO PLACE THE PLANTINGS.
3. LIMITS OF DISTURBANCE: THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE.



LINDBERGH SCHOOLS
DRESSEL SCHOOL
10255 MUSICK ROAD
SAINT LOUIS, MISSOURI 63123

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 CONFORMANCE DRAWINGS 07/20/2015
 DRESSEL SCHOOL

ittner
 architects of education
 Wm. B. Ittner, Inc.
 611 North Tenth Street
 Suite 200
 St. Louis, MO 63101
 Phone: (314) 421-3542
 Fax: (314) 421-4821
 www.ittnerarchitects.com
 Missouri Architectural Corporation
 Certificate of Authority No. 00006

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 NOTE:
 ANY UTILITY AND SANITARY SEWER WORK IN ST. LOUIS COUNTY RIGHT-OF-WAY REQUIRES SEPARATE SPECIAL USE PERMITS. CONTACT MR. JIM HAYES AT 314-615-8515.
 PROPOSED WATERLINE AS MARKED BY MISSOURI ONE CALL. THE WATER MAIN PER MISSOURI AMERICAN WATER MAP SHOWS AN 8" CL AND A 16" CL NORTH OF AND PARALLEL TO THE 8" CL LINE.
 BRANDON A. HARP, P.E. #28650
 CIVIL ENGINEER
 CECC LICENSE NO. 2003004674

SEE SHEET C05 FOR BMP RESERVE AREAS