

LETTER OF TRANSMITTAL

Attention City of Akron Review Department Date 4-15-09 Job No 2009213.00
To City of Akron Review Department Re Haleys Ditch Remediation and Restoration
1030 E. Tallmadge Ave. Grading Plan
Akron, Ohio 44310

WE ARE SENDING YOU

- ☐ Attached ☐ Under separate cover via _____ the following items:
☐ Shop drawings ☐ Prints ☒ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ Sepias ☐ _____

COPIES	DATE	NO.	DESCRIPTION
10			Hayles Ditch Grading Plans
1			City of Akron Application
1			Check for \$100

THESE ARE TRANSMITTED as checked below:

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☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 20____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Copy to Dave Gunnerson, Arcadis, EnviroScience, File Signed Matthew A. Lascola, P.E. las

REV.	DATE	DESCRIPTION

HALEY'S DITCH
REMEDIATION AND RESTORATION
GRADING PLAN

TITLE SHEET

DESIGNED	DATE
JR	4-13-09
DRAWN	
MLH	4-13-09
CHECKED	
MAL	4-13-09

JOB NO.
2009213.00

GR-1

HALEY'S DITCH
REMEDIATION AND RESTORATION
GRADING PLAN

CITY OF AKRON
COUNTY OF SUMMIT
STATE OF OHIO
2009



LOCATION MAP
SCALE: N.T.S.

NOTE: DESIGN/BUILD USE ONLY

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PREPARED FOR:

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AKRON, OHIO 44315
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PHONE: 330-796-2185

PREPARED BY:

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GPD GROUP
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AKRON, OHIO 44311
CONTACT: MATT LASCOLA
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UNDERGROUND UTILITIES

2 WORKING DAYS
BEFORE YOU DIG
CALL 800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PROJECT SUMMARY & GENERAL NOTES

THE PROPOSED HALEY'S DITCH REMEDIATION AND RESTORATION PROJECT IS PART OF A VOLUNTARY ACTION PLAN INITIATED BY LOCKHEED MARTIN. THE PROJECT INVOLVES VOLUNTARY REMEDIAL EARTHWORK ACTIVITIES TO REMOVE SEDIMENTS AND SOILS ALONG HALEY'S DITCH THAT HAVE BEEN IMPACTED BY POLYCHLORINATED BI-PHENYLS (PCBS). ALL REMEDIATION AND RESTORATION ACTIVITY SHALL BE IMPLEMENTED BY THE LOCKHEED MARTIN REMEDIATION PLAN PER APPROVAL BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) FOR RISK-BASED DISPOSAL OF PCB REMEDIATION WASTE AND BY THE UNITED STATES ARMY CORPS OF ENGINEERS IN CONFORMANCE WITH NATIONWIDE PERMIT 38.

REMEDIATION EARTHWORK ACTIVITIES WILL INCLUDE EXCAVATION OF SOIL TO A DEPTH OF 1-FOOT TO 3-FEET; EXCAVATED SOILS CONTAINING PCB'S ABOVE THE REMEDIATION OBJECTIVE WILL BE TRANSPORTED OFF-SITE FOR LEGAL DISPOSAL. THE ANTICIPATED LIMIT OF EARTHWORK IS REPRESENTED ON THE GRADING PLAN. THE LIMIT OF DISTURBANCE IS PLANNED TO REMAIN WITHIN THE 9.13-ACRE PROJECT AREA SHOWN ON THE PLAN. REMEDIAL ACTIVITY MAY CAUSE A MINOR EXPANSION OF THE DISTURBANCE LIMITS TO ALLOW ACCESS AND STAGING OF EQUIPMENT AND MATERIALS. WORK RIGHT AGREEMENTS FOR REMEDIATION AND RESTORATION ACTIVITY HAVE BEEN OBTAINED BY LOCKHEED MARTIN FOR THE DELINEATED PROJECT AREA AND ANY SUBSEQUENT WORK LIMITS. ALL DISTURBED AREAS WILL BE RESTORED TO NATURAL OR BETTER THAN EXISTING CONDITIONS IN ACCORDANCE WITH THE LOCKHEED MARTIN REMEDIATION PLAN.

RESTORATION EARTHWORK ACTIVITIES WILL INCLUDE CHANNEL, FLOODPLAIN, AND WETLAND ENHANCEMENTS WITHIN THE LIMITS IMPACTED BY REMEDIAL ACTION.

EARTHWORK ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF AKRON GRADING PERMIT. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE CONDUCTED PER THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWP3) IN ACCORDANCE WITH OHIO EPA REQUIREMENTS. THE SWP3 SHALL BE AVAILABLE AT THE PROJECT SITE FOR A REFERENCE AS BMP ACTIVITY. HOWEVER, THE VARIABILITY OF EROSION AND SEDIMENT CONTROL BMP'S WILL BE MODIFIED AS APPROPRIATE TO COMPLETE THE NECESSARY REMEDIAL ACTIVITIES IN ACCORDANCE WITH THE LOCKHEED MARTIN REMEDIATION PLAN. THE SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES DURING REMEDIAL ACTIVITY WILL DEPEND ON A NUMBER OF CONSIDERATIONS THAT INCLUDE THE SCOPE OF ACTIVITIES, SITE TOPOGRAPHY, TYPE OF GROUND COVER, WHETHER CONTROLS ARE LAND-BASED OR WATER-BASED, AND OPERATIONAL/MAINTENANCE CONDITIONS. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED AND ADJUSTED AS NEEDED FROM THE REMEDIATION AREA. SOILS TARGETED FOR REMEDIATION WILL NOT BE REUSED ON THE PROJECT SITE.

TREE LOGS AND WOOD MULCH CHIPS SHALL BE HARVESTED AND STOCKPILED ON SITE FROM TREE CLEARING ACTIVITY. THE STOCKPILED MATERIALS SHALL BE UTILIZED AS PART OF THE CHANNEL AND FLOODPLAIN RESTORATION. ALL STUMPS AND ROOTBALL MATERIAL WITHIN THE PROPOSED EXCAVATION AREA SHALL BE REMOVED FROM THE SITE FOR DISPOSAL AS A PART OF THE REMEDIAL WORK PLAN.

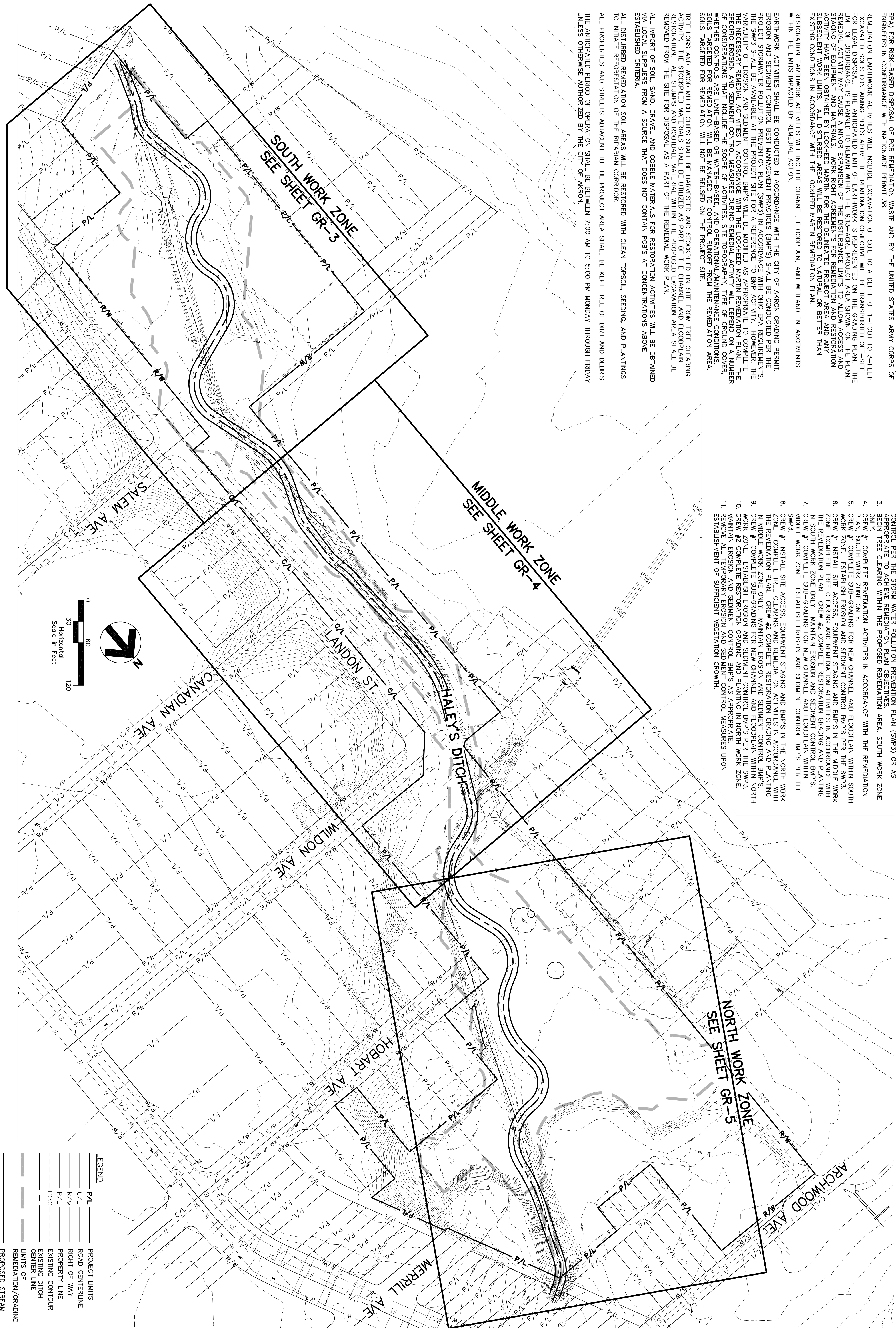
ALL IMPORT OF SOIL, SAND, GRAVEL, AND COBBLE MATERIALS FOR RESTORATION ACTIVITIES WILL BE OBTAINED VIA LOCAL SUPPLIERS FROM A SOURCE THAT DOES NOT CONTAIN PCB'S AT CONCENTRATIONS ABOVE ESTABLISHED CRITERIA.

ALL DISTURBED REMEDIATION SOIL AREAS WILL BE RESTORED WITH CLEAN TOPSOIL, SEEDING, AND PLANTINGS TO INITIATE REFORESTATION OF THE RIPARIAN CORRIDOR.

ALL PROPERTIES AND STREETS ADJACENT TO THE PROJECT AREA SHALL BE KEPT FREE OF DIRT AND DEBRIS. THE ANTICIPATED PERIOD OF OPERATION SHALL BE BETWEEN 7:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY UNLESS OTHERWISE AUTHORIZED BY THE CITY OF AKRON.

GENERAL CONSTRUCTION SEQUENCE

- CREW #1 - REMEDIATION TEAM
CREW #2 - RESTORATION TEAM
1. INSTALL SITE ACCESS AND EQUIPMENT STAGING AREA IN THE SOUTH WORK ZONE.
 2. IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL PER THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) OR AS APPROPRIATE TO ACHIEVE REMEDIATION PLAN OBJECTIVES.
 3. BEGIN TREE CLEARING WITHIN THE PROPOSED REMEDIATION AREA, SOUTH WORK ZONE ONLY.
 4. CREW #1 COMPLETE REMEDIATION ACTIVITIES IN ACCORDANCE WITH THE REMEDIATION PLAN, SOUTH WORK ZONE ONLY.
 5. CREW #1 COMPLETE SUB-GRADING FOR NEW CHANNEL AND FLOODPLAIN WITHIN SOUTH WORK ZONE.
 6. CREW #1 INSTALL SITE ACCESS, EQUIPMENT STAGING AND BMP'S PER THE SWP3.
 7. CREW #1 COMPLETE TREE CLEARING AND REMEDIATION ACTIVITIES IN ACCORDANCE WITH THE REMEDIATION PLAN, CREW #2 COMPLETE RESTORATION GRADING AND PLANTING IN THE SOUTH WORK ZONE.
 8. CREW #1 COMPLETE SUB-GRADING FOR NEW CHANNEL AND FLOODPLAIN WITHIN MIDDLE WORK ZONE.
 9. CREW #1 COMPLETE EROSION AND SEDIMENT CONTROL BMP'S PER THE SWP3.
 10. CREW #2 COMPLETE RESTORATION GRADING AND PLANTING IN NORTH WORK ZONE.
 11. MAINTAIN EROSION AND SEDIMENT CONTROL BMP'S AS APPROPRIATE.
 12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UPON ESTABLISHMENT OF SUFFICIENT VEGETATION GROWTH.



REV.	DATE	DESCRIPTION

GLAIS PYLE SCHORR BURKE & ORSHWEN INC.

GPD ASSOCIATES

520 South Main Street, Suite 2531
Akron, Ohio 44311
330-572-2100 • Fax 330-572-2101

A Partnership for Stream & Wetland Restoration

**HALEY'S DITCH
REMEDIATION AND RESTORATION
GRADING PLAN**

PROJECT KEY PLAN & NOTES

DESIGNED JR	DATE 4-13-09
DRAWN MLH	4-13-09
CHECKED MAL	4-13-09

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GR-2



CLAUDE PYLE SCHOMER BURNS & DEHAVEN INC.

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330-572-2100, Fax 330-572-2101

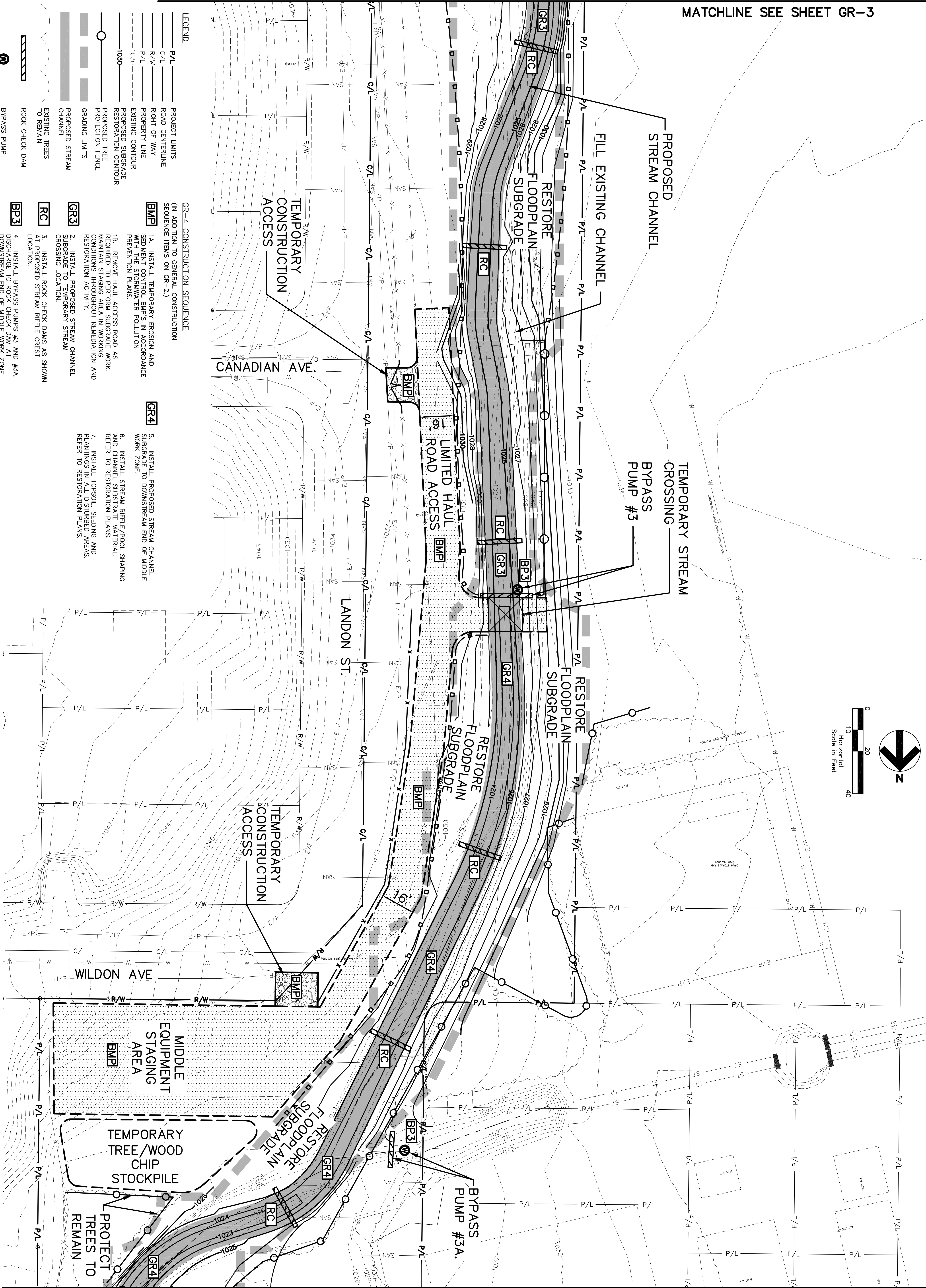


SOUTH WORK ZONE ACCESS STAGING & GRADING

	DATE
DESIGNED	
JR	4-13-09
DRAWN	
MLH	4-13-09
CHECKED	
MAL	4-13-09

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GR-3



MATCHLINE SEE SHEET GR-3

MATCHLINE SEE SHEET GR-5

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GLAUS PYLE SCHWEN BURKE & DEWHEN INC.
GPD ASSOCIATES
520 South Main Street, Suite 2531
Akron, Ohio 44311
330-572-2100 • Fax 330-572-2101



GR-4

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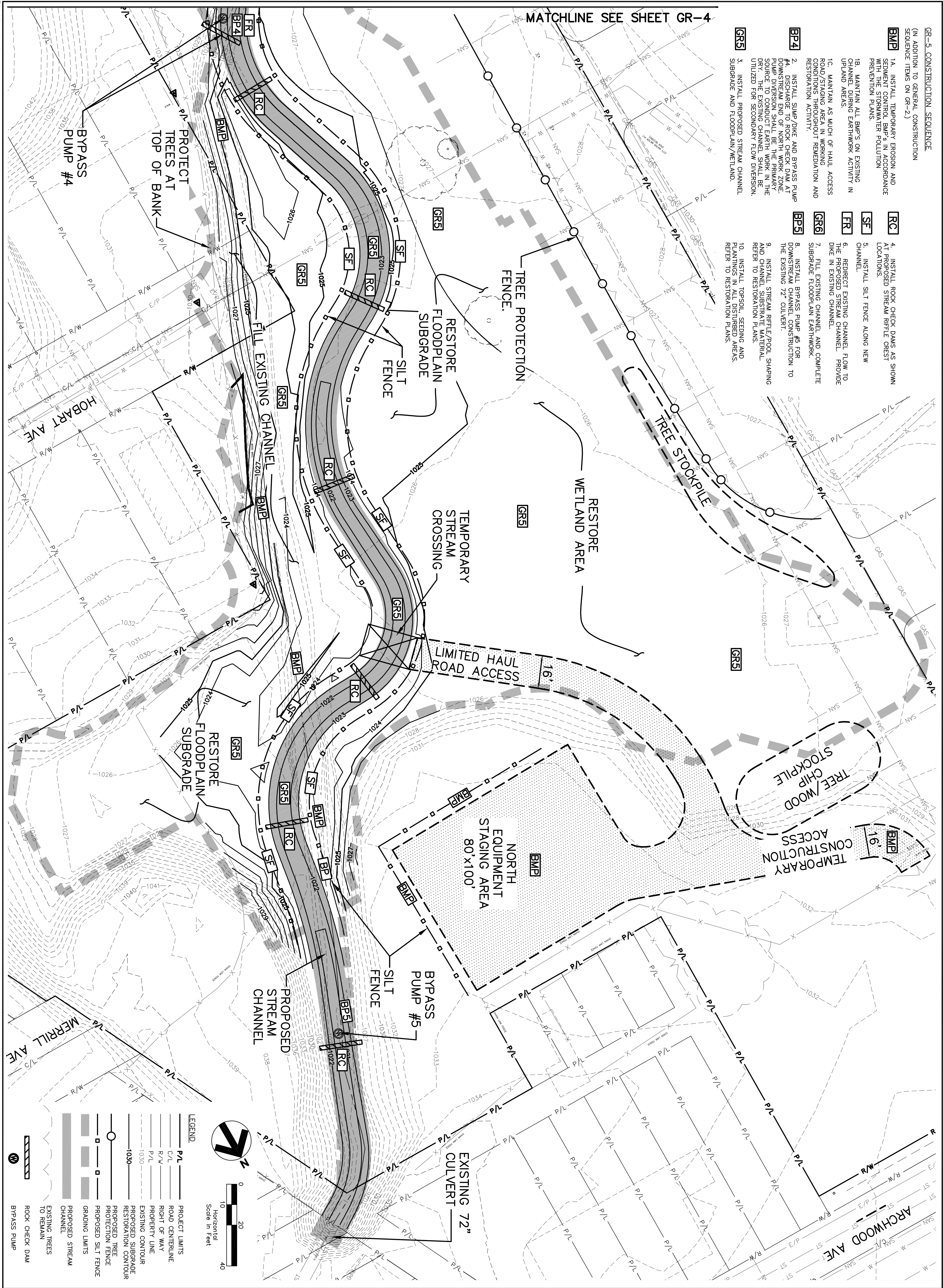
DESIGNED	DATE
JR	4-13-09

DRAWN	DATE
M.H.	4-13-09

CHECKED	DATE
MAL	4-13-09

HALEY'S DITCH
REMEDIATION AND RESTORATION
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MIDDLE WORK ZONE
ACCESS STAGING & GRADING



REV.	DATE	DESCRIPTION

CLAUS PYLE SCHOWER BURNS & DEHAVEN INC.

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Akron, Ohio 44311
330-572-2100, Fax 330-572-2101



GR-5

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HALEY'S DITCH REMEDICATION AND RESTORATION GRADING PLAN

NORTH WORK ZONE ACCESS STAGING & GRADING