

**DRAINAGE TABLE**

CB #5046 RIM ELEV.=45.6' (1) IN 12" R.C.P.=39.4' (2) OUT 10" R.C.P.=39.4'	CB #6048 RIM ELEV.=45.6' (1) OUT 10" C.P.P.=42.5'
CB #5067 RIM ELEV.=45.2' (1) OUT 12" R.C.P.=39.2' (2) IN 12" R.C.P.=39.3'	CB #6165 RIM ELEV.=44.6' (1) OUT 12" C.P.P.=41.9'
CB #5126 RIM ELEV.=46.8' (1) OUT 12" R.C.P.=41.9'	CB #6227 RIM ELEV.=44.7' (1) IN 10" P.V.C.=41.1' (2) IN 12" P.V.C.=41.1'
CB #5201 RIM ELEV.=46.1' (1) IN 12" R.C.P.=40' (2) OUT 12" R.C.P.=40'	DMH #6303 RIM ELEV.=43.4' (1) IN 6" D.I.P.=39.8' (3) OUT 12" A.B.S.=40.8'
CB #5214 RIM ELEV.=44.4' (1) IN 12" R.C.P.=39' (2) OUT 12" R.C.P.=38.8'	DMH "A" RIM ELEV.=43.8' (1) IN 12" A.B.S.=39.9' (2) IN 12" D.I.P.=39.8' (3) OUT 12" R.C.P.=39.6'
CB #5269 RIM ELEV.=43.6' (1) IN 12" R.C.P.=38.4' (2) IN 12" R.C.P.=39.1' (3) IN 15" R.C.P.=38.5' (4) IN 6" C.M.P.=38.4' INV.IN=40.0 (5) OUT 15" R.C.P.=38.2'	DMH 5 RIM=43.6' INV.IN=40.15 INV.OUT=40.15
CB #5305 RIM ELEV.=45.8' (1) OUT 12" R.C.P.=39.6'	DMH 6 RIM=44.7' INV.IN=40.4 INV.OUT=40.4
CB #5432 RIM ELEV.=43.1' (1) OUT 12" R.C.P.=39.8' (2) IN 10" C.P.P.=40' INV.IN=40.0 (3) IN 12" P.V.C.=39.8'	PCB1 RIM=45.5 INV.IN=41.35 INV.OUT=41.35
CB #5433 RIM ELEV.=42.9' (1) IN 12" R.C.P.=39.4' (2) IN 6" C.M.P.=39.2' (3) OUT 15" R.C.P.=39.3'	PCB2 RIM=46.2 (3) INV.IN(6")=42 INV.IN=42.0 INV.OUT=42.0

**PROPOSED DRAINAGE TABLE**

OUTLET STRUCTURE RIM=45.8 INV.IN=41.2 INV.OUT=41.2	PCB4 (BY OTHERS) RIM=45.8 INV.IN=42.5 INV.OUT=42.5
PDMH1 RIM=45.9 INV.IN=41.2 INV.OUT=41.2	PCB5 (BY OTHERS) RIM=45.7 INV.IN=42.85 INV.OUT=42.85
PDMH2 RIM=46.75 INV.IN=43.3 INV.OUT=43.3	PCB6 (BY OTHERS) RIM=46.75 INV.IN=43.3 INV.OUT=43.3
PDMH3 RIM=44.8 (1) IN (6")=40.4 INV.IN=40.4 (2) OUT (12")=40.2	PCB7 (BY OTHERS) RIM=45.7 INV.IN=43.05 INV.OUT=43.05
DMH4 RIM=45.3 INV.IN=42.5 INV.OUT=42.5	PCB8 (BY OTHERS) RIM=46.3 INV.IN=42.85 INV.OUT=42.85
PDMH 5 RIM=43.6' INV.IN=40.15 INV.OUT=40.15	PCB9 (BY OTHERS) RIM=46.3 INV.IN=42.95 INV.OUT=42.95
PCB10 (BY OTHERS) RIM=46.9 INV.IN=42.55 INV.OUT=42.55	PCB11 RIM=46.2 (1) IN 10" C.M.P.=43.4' INV.IN=42.05 INV.OUT=42.05
PCB11 RIM=46.2 (1) IN 10" C.M.P.=43.4' INV.IN=42.05 INV.OUT=42.05	PCB12 (BY OTHERS) RIM=46.2 INV.IN=42.25 INV.OUT=42.25
PCB12 (BY OTHERS) RIM=46.2 INV.IN=42.25 INV.OUT=42.25	PCB13 RIM=45.3 INV.IN=40.1 INV.OUT=40.1
PCB13 RIM=45.3 INV.IN=40.1 INV.OUT=40.1	PCB14 RIM=46.2 INV.OUT=40.5
PCB14 RIM=46.2 INV.OUT=40.5	CDS UNIT RIM=44.3 (1) IN 6" P.V.C.=42.5' INV.OUT=40.3
CDS UNIT RIM=44.3 (1) IN 6" P.V.C.=42.5' INV.OUT=40.3	

**GRADING AND DRAINAGE NOTES:**

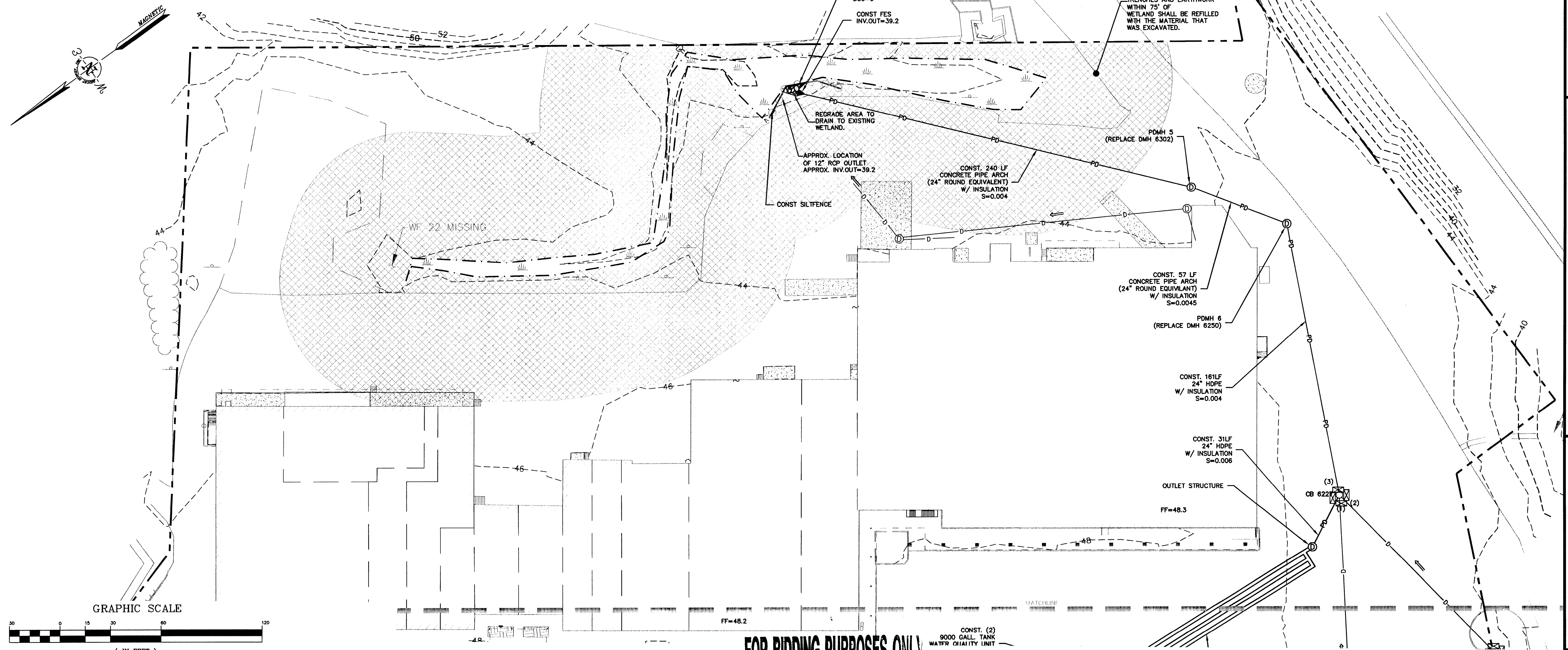
1. COMPACTION REQUIREMENTS  
BELOW PAVED OR CONCRETE AREAS 95%  
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL 95%  
BELOW LOAM AND SEED AREAS 90%  
\*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR ASTM-2922.
2. ALL STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HI-0, ADS N-12 OR APPROVED EQUAL) UNLESS OTHERWISE SPECIFIED.
3. SEE UTILITIES PLAN FOR ALL SITE UTILITY INFORMATION.
4. ADJUST ALL MANHOLES, CATCHBASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
5. COORDINATE WORK ADJACENT TO PROPOSED BUILDINGS WITH BUILDING CONTRACTOR.
6. ALL DRAIN PIPES WITH LESS THAN 4' OF COVER SHALL BE INSULATED.
7. CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE AND LAWN AREAS FREE OF LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS, RAMPS AND LOADING DOCK AREAS ADJACENT TO THE BUILDING.
8. CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCHBASINS AND DRAIN LINES, WITHIN THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
9. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
10. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, SEED FERTILIZER AND MULCH.
11. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MEDOT, STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.
12. ALL PROPOSED CATCHBASINS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4' SUMPS.
13. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS AND CONSTRUCTION SPECIFICATIONS, LATEST REVISIONS.
14. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (DWG FILE) ON DISK TO THE OWNER AND ARCHITECT UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
15. SEE EXISTING CONDITIONS PLAN FOR BENCH MARK INFORMATION.

**EROSION CONTROL NOTES:**

1. INSTALL EROSION CONTROL BARRIERS AS SHOWN AS FIRST ORDER OF WORK.
2. SEE GENERAL EROSION CONTROL NOTES ON DETAIL SHEETS.
3. PROVIDE INLET PROTECTION AROUND ALL EXISTING AND PROPOSED CATCHBASIN INLETS WITHIN THE WORK LIMITS. MAINTAIN FOR THE DURATION OF THE PROJECT UNTIL PAVEMENT HAS BEEN INSTALLED.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
5. INSPECT INLET PROTECTION AND SILT FENCES AFTER EACH RAIN STORM OF 0.5 INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT.
6. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, SEED, FERTILIZER AND MULCH.
7. CONSTRUCT EXCELSIOR MAT ON ALL SLOPES STEEPER THAN 3:1.
8. PRIOR TO ANY WORK OR SOIL DISTURBANCE COMMENCING ON THE SUBJECT PROPERTY, INCLUDING MOVING OF EARTH, THE APPLICANT SHALL INSTALL ALL EROSION AND SILTATION MITIGATION AND CONTROL MEASURES AS REQUIRED BY STATE AND LOCAL PERMITS AND APPROVALS.
9. CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTROL MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, SPRINKLING WATER ON UNSTABLE SOILS SUBJECT TO ARID CONDITIONS.
10. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.
11. ALL CATCHBASIN SUMPS AND PIPING SHALL BE THOROUGHLY CLEANED TO REMOVE ALL SEDIMENT AND DEBRIS AFTER THE PROJECT HAS BEEN PAVED.
12. TEMPORARY SOIL STOCKPILE SHALL BE SURROUNDED BY SILT FENCE AND SHALL BE STABILIZED BY TEMPORARY EROSION CONTROL SEEDING. STOCKPILE AREAS TO BE LOCATED AS FAR AS POSSIBLE FROM THE DELINEATED EDGE OF WETLAND.

**LEGEND**

	PROPERTY LINE
	MATCHLINE
	AREA WITH 75' OF WETLAND
	EXISTING TREE LINE
	PROPOSED TREE LINE
	EXISTING FENCE
	PROPOSED FENCE
	EXISTING CONTOUR
	EXISTING 10' CONTOUR
	FINISHED GRADE
	EXISTING DRAINAGE
	PROPOSED DRAINAGE
	EXISTING CONCRETE/BITUMINOUS SIDEWALK
	PROPOSED CONCRETE SIDEWALK
	PROPOSED BITUMINOUS SIDEWALK
	PROPOSED CONCRETE PAD
	PROPOSED BOLLARD
	PROPOSED SPOT GRADE
	EXISTING SPOT GRADE
	STABILIZED CONSTRUCTION ENTRANCE
	FINISHED FLOOR
	PROPOSED INLET PROTECTION
	PROPOSED SILT FENCE



**FOR BIDDING PURPOSES ONLY**

**GRADING, DRAINAGE & EROSION CONTROL PLAN**

No.	Description	Appd	Date

DATE: JUNE 6, 2008	SCALE: AS SHOWN	DESIGNED BY: GY/BLM	DRAWN BY: SAM/KAM	APPROVED BY: BLM	PROJECT NO.: 2256	FILE NO.: 2256-CONST.DWG
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